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VOL. 44

JANUARY, 1913

NO. 1

# AMERICAN POULTRY JOURNAL





# DOES THIS LOOK GOOD TO YOU?



This is Why There is Such an Increasing Demand for My Anconas

\$3.00 Hen That Lays \$21.27  
in Eggs in One Year



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Have won first at the world's greatest shows, including London, Eng., Cleveland and Madison Square Garden, N. Y. For six consecutive years my birds have won three times as many 1st and 2d prizes at the Nation's greatest shows as all my competitors together, so have earned the distinction of being

### THE WORLD'S BEST

They are famous egg machines and the greatest winter layers, with the wonderful egg record of

## 256 Average For a Flock

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## H. CECIL SHEPPARD

PRESIDENT INTERNATIONAL ANCONA CLUB

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## ROYAL RED SINGLE COMB RHODE ISLAND REDS

Make the most sensational win at Chicago, 1912, winning four of a possible six first prizes or twice as many as all other exhibitors in the class.

My first prize and champion S. C. Rhode Island Red Pullet was one of the features of the show and was awarded Club Special for best colored female.

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## Tecktonius S. & R. C. Buff Leghorns

are bound to continue at the "head of the procession," as America's distinctive and superlative "best general-purpose fowl." This because these unequalled birds have earned their title, and continue year after year to successfully defeat all contestants. At the big Chicago Poultry Show of December 12th to 17th, 1912, the "Tecktonius Strain" S. & R. C. Buff Leghorns again effected

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and will be happy to meet "all comers." In the meantime—I'm doing business. If you want to

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let me know your requirements, or your plans for the future, and I'll tell you what "Tecktonius" can do for you. Just now I have ready a number of good breeding Trios and Pens, mated for best results—prices \$25 and up. It will pay you to know more about these; ASK ME. Mating list ready for mailing Feb. 15th: file your request now, and get a first copy off the press. There's money for you in the poultry business—if you adopt "Tecktonius" Buffs. Better get your share started your way. I'M READY.

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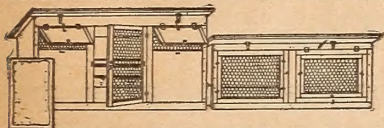


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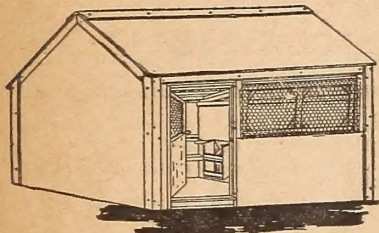
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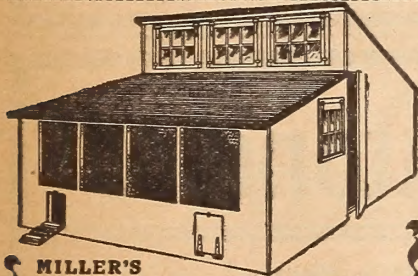
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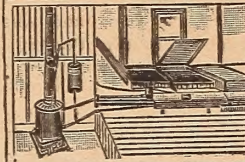
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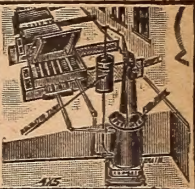
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Are grown on free and unlimited range, which gives them wonderful vigor and vitality. Years of careful breeding and selection has made them leaders as exhibition birds and as layers. Write your wants and we guarantee to please you.

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## America's Best Cochins Bantams

Win Again at the Great Chicago Show

They won more firsts than all their competitors combined and more they won more points than their competitors. Winning as follows: Black Cochins Bantams—3d ck.; 1st, 2d hen; 1st ckl.; 2d, 3d pul.; 1st pen. Partridge Cochins Bantams—1st, 2d, 4th ck.; 1st, 2d, 4th, 5th hen; 1st ckl.; 1st, 3d pul. Buff Cochins Bantams—3d, 4th pul. Just think of this record in America's greatest show, every entry winning a place. We also won the following cash specials: Best 2 Buff Cochins Bantam cks, best 2 Buff Cochins Bantam hens, 2d best 2 Buff Cochins Bantam ckerels, 2d best 2 Buff Cochins Bantam pullets, best two Partridge Cochins Bantam cocks, best two Partridge Cochins Bantam hens, best two White Cochins Bantam pullets, 2d best two White Cochins Bantam hens. If you are interested, write us. Our beautiful illustrated 1913 mating list will be ready Feb'y 15th.



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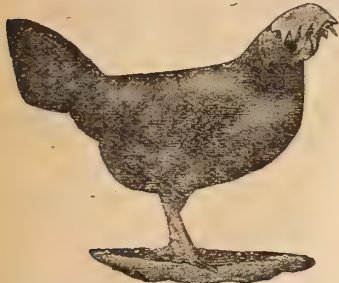


W. J. BRINKLEY

IUKA, MISSISSIPPI

## Brinkley's White Plymouth Rocks

Continue to win wherever shown. At the great Tri-State Fair, 1912, 1st hen, Grand Championship Special for best hen in entire show. At Jackson, Miss., 2d, 4th cocks, 1st, 4th hens, 1st ckl., 1st, 2d pullets, 1st pen, silver trophy cup best display White Rocks, championship special best hen in entire show, also best pullet; special 2d best pen in show. These winnings, combined with those at Nashville, Birmingham, Augusta, Tupelo, Little Rock and Columbus, Ga. prove without a doubt the superior quality of our White Rocks, and concede our claim of the **BEST IN THE SOUTH**. Superior type, quality and vigor are largely responsible for our remarkable success in the show room; combining these qualities with their egg-producing habits make them the very best general purpose fowl in the South. Hundreds of excellent exhibition and breeding birds that will prove a valuable investment for you at prices that are within reach of all. Utility cockerels, \$3 and \$5; pullets, \$2 and \$4 each. Eggs, 10 pens, \$5 and \$10. Mating list for stamp.



You can enjoy the great pleasure of having large white eggs during the cold months of winter and winning gold and silver specials in the show room if you breed

## Pape's Champion Strain S. C. Black Minorcas

Am offering utility and fancy exhibition stock in yearling and 1912 hatched birds at attractive prices. Get one of our utility cockerels to improve your flock. Send for our 1913 free catalogue. It contains list of winnings and describes our matings. One of our customers reports having raised two \$50 and six \$25 value birds from one setting of our eggs for hatching last season. All stock sold on approval. Write requirements.

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BABY CHICKS—U. R. Fishel's White Plymouth Rocks the Best in the World

# Hip! Hip! Hooray!!



## Chicago Winners!

At this, the greatest of all Barred Rock shows, in December, 1912, (please note the date) in the fiercest battle of giants ever seen at this show, in competition with the best that New England and the east could produce, birds of

## ARISTOCRAT

BREEDING WON

FIRST PRIZE

This feat was accomplished by one of my customers, and demonstrates again the truly superb quality which those breeders obtain who purchase and breed Aristocrats.

**First Prize** at the great American Royal Show was won by Messrs. Pate & Pate, Kansas City, Mo., on an **Aristocrat male**, in Oct., 1912. On Dec. 12, 1912, (mark the date) one of my customers, M. M. Smith, Abingdon, Va., made a clean sweep at one of the leading early shows of the east with **Aristocrats**, winning **4 1st prizes** in very strong competition. Think this over.

I have over 900 show birds which will be ready to win in January and February shows. Place your order if you want a winner.

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# ALDRICH'S WHITE ORPINGTONS

## Winnings At Chicago



Greatest win ever made in White Orpingtons. Practically swept the deck. Read and be convinced. Remember 342 birds competed. We won champion male; gold special for best display, having 68 points against 66 among all the rest of our 41 competitors combined. Also the presidents cup for best 15 birds; White Orpington medal on first pen, and 10 Association and American White Orpington Club cash specials. Our winnings in detail were 1, 5 cocks; 3, 4 hens; 2, 3, 4 cockerels; 2, 5 pullets; 1, 3, 5 pens and specials mentioned above. We had 20 hens in the money; this is a most remarkable record and proves beyond a doubt that we have

## The Quality White Orpingtons of America

These winnings together with our winnings this season at Allentown, Atlanta, and Augusta of 8 firsts, 5 seconds, 7 thirds, 5 fourths, 5 fifths, including grand champion futurity cockerel and pullet at Allentown and sweepstakes at Atlanta on cockerel for the best bird in the show, and many silver cups and other specials in competition with 50 of the largest breeders from 12 states with birds bred and raised on our Farm is ample proof of the superior quality of our stock. Our birds have also won for our customers whenever shown, in such shows as Hagerstown, Bismark, N. D., Glasgow, Ky., Little Rock, Lancaster, Ohio and in many other shows, in many cases defeating birds imported at big prices. This stock was all bred and raised from our winners at America's six largest shows last season at Chicago, Cleveland, St. Louis, Baltimore, Pittsburgh and **Madison Square Garden** where we won 51 out of the total of a 150 prizes offered—a record never equaled.

Our recent purchase of the complete flocks of White Orpingtons from Sunswick Farm, E. B. Rogers and Dr. C. C. Goodes including all their prizewinners, places our flock at the top as our pens now contain more prizewinners and high quality birds than any other 3 breeders in the world combined. Our increased facilities and immense flock of 2,000 picked birds have enabled us to reduce our prices on highest quality White Orpington stock and eggs to a point never before thought possible, and, this will keep increasing the popularity of the Orpingtons in America as never before, as it will no longer be necessary to pay more for White Orpingtons than any other breed. If you wish to breed the most popular bird in America today, to win at your shows, or lay the most winter eggs thus paying more than other breeds, send for our handsome new catalog and tell us your wants and let us start you right. Remember, we guarantee satisfaction. Eggs \$5, \$10 and \$15 from the 30 best pens of White Orpingtons ever mated.

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## Automatic Safety Custom Hatcher

The Candee shown in this picture does the work of 34 small machines.

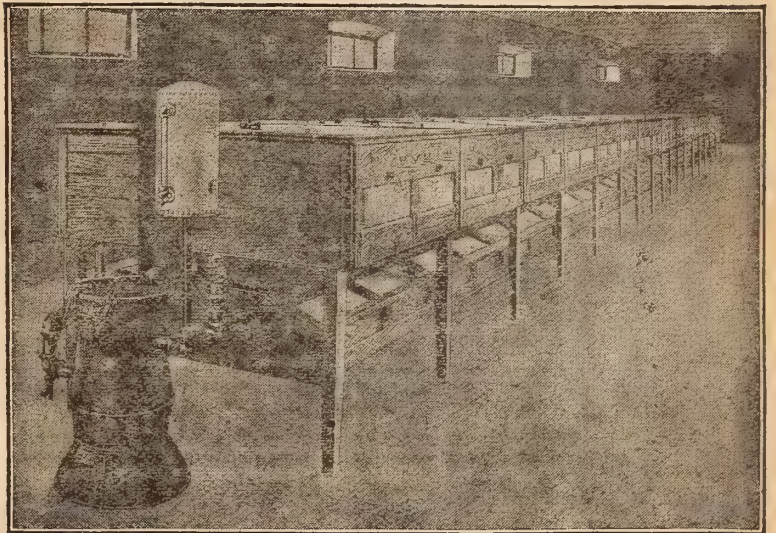
One man or woman can run it without help.

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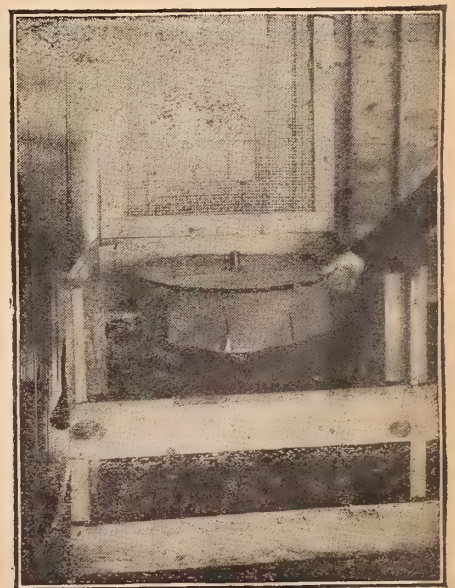
The hover is turned up or down like a piano stool.

### We Reply By Return Mail

Time is precious and we are prepared to save time for you. Our incubators are furnished in 1,200, 1,800, 2,400, 3,000, 3,600, 4,200, 4,800, etc., up to 20,000 eggs. We will send our catalogue by return mail and quote you prices.

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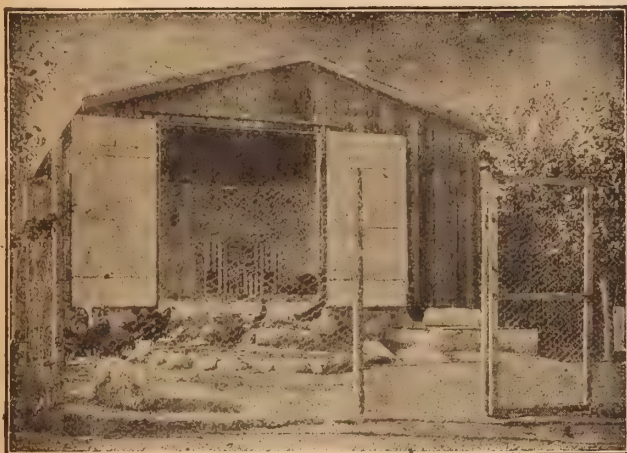


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| Roosts and Droppings Boards in Poultry Houses.—H. V. Tormohlen.                     | The Old "Wooden" Madison Square Garden.—F. L. Sewell, Artist.                   |
| With Note Book and Camera Afield.—D. E. Hale, Associate Editor.                     | A Combination of Poultry, Fruit and Bees.—Part II, Thos. F. Rigg.               |
| What Four Years Have Taught Me in the Organization of Fresh Egg Farms.—R. P. Ellis. | New York Grand Central Palace Show.—F. L. Platt, Associate Editor.              |
| A Complete Home Acre Farm.—C. L. Opperman.  | Write-up of John S. Martin's Farm.—F. L. Sewell.                                |
| The Great Philadelphia Show.—F. L. Platt.   | Decidedly Profitable "Back Lot" Poultry.—A. F. Hunter.                          |
| Chicago's Coliseum Poultry Show.—D. E. Hale.  | Editorial—Grant M. Curtis.  |

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**W**ILL be of Greater Help to Poultrymen, both Beginners and Long-time Breeders, Than Ever Before. We have Arranged with Some of the Most Successful Breeders and Writers for Articles on Subjects Covering Every Phase of the Poultry Industry



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A series of six illustrated articles from the viewpoint of an International Standard, by Artist Sewell, also a series of eight illustrated articles on other subjects, the first to be "Influence of Feathering on Standard Shape."

Rudolph P. Ellis, founder of the Aurora System of Egg Farms, will begin a series of articles in January R. P. J.

"Observations on Orpington Progress" will be the title of an article by Wm. Barry Owen, illustrated by Artist Sewell.

A series of six articles by C. L. Opperman, formerly with Maryland Experiment Sta.—First article, "A Complete Home Acre Plant."

The fearless pen of our Editor, Grant M. Curtis, will continue its effective work for "Better Poultry and More of It."

A valuable series of six articles by Frank L. Platt, Asso. Ed., on the Leading Poultry Markets of America. Also a series of five articles on other practical subjects, in addition to descriptions of farms visited, etc.

A series of nine practical articles, including two on judging, by D. E. Hale, Asso. Ed. First of the series—"The Simple Life for Chicks."

A. F. Hunter, Asso. Ed., will continue to handle the Practical Department, also the department, "Eggs and Poultry for the Family Table," and in addition will furnish a number of stories gathered on his recent trip from the Atlantic to the Pacific.

In addition to writing "Western Notes and Comments," Thos. F. Rigg will furnish three articles, the first entitled "Poultry, Fruit and Bees."

"Eastern Notes and Comments," by D. Lincoln Orr, will be published monthly.

Poultry Show reports will keep our readers in touch with progress being made in standard-bred poultry.

The Pacific Coast Department, handled by Charles McAlister, will take good care of our many subscribers west of the Rockies.

M. F. Reils is to have charge of a Southern Department, doing all in his power to help poultry breeders in the Southland.

Chas. V. Keeler, judge and breeder, will furnish two articles, "Feeding, Breeding and Mating of White Wyandottes," and "The Brood Coop and Its Relation to Proper Rearing."

The first of a series of articles by Myra V. Norys is "How a Woman Can Raise Chicks Successfully Without Much Equipment." The series includes articles on housing and raising ducks.

Mrs. Jane Paull Ray will write a series of nine articles, the first to be "The Wise Use of Money in Poultry Culture."

"Wyandottes as Money Makers for Women," will be the subject of an article by Beatrice Mansfield. Mrs. Geo. E. Smith will write on "A Partner in the Poultry Business."

Mrs. Elgia Gensemer will discuss poultry as "A Side Line for Poultrymen's Wives," and Mrs. M. Truran will tell "How Women Can Succeed as Poultry Breeders."

A series of ten articles on questions of interest to southern poultry breeders will be furnished by Mrs. Benigna G. Kalb, of Texas.

"Building up a Suburban Poultry Plant," and "How to Raise Thrifty, Vigorous Birds on a Suburban Plant," are the titles of two articles by Mrs. E. W. Mahood.

Mrs. Grant M. Curtis will continue to conduct the two departments, "Woman's Work With Poultry," and "For the Table."

Modern Poultry House Construction—A series of articles by poultry experts, will present latest and best models for poultry houses and poultry devices.

Besides our regular correspondents, many contributors, both abroad and in this country, will furnish occasional articles dealing with problems that confront poultrymen and pointing the way to greater success.

FOR SUBSCRIPTION RATES, SEE PRECEDING PAGE. SEND FOR FREE SAMPLE COPY

**Reliable Poultry Journal Publishing Co., Quincy, Illinois, U. S. A.**

BOX E-13



# WHITE ORPINGTONS

## SUPERB TYPE AND SUPERIOR QUALITY

MY FIRST SHOW, 1912—TEXAS STATE FAIR

First, second and fourth cock; first, second and fifth hen; first, second and third cockerel; first, second, third and fourth pullet; first and second pen.

My birds are absolutely white, of that deep bodied type, low down on legs, up to weight, and I know that I can please you. At the last and greatest show held at Madison Square Garden, I again control the winning male birds. My winnings include first cock, third hen, fifth pen and the cockerel heading the first pen. The winning cock is, without doubt, the greatest White Orpington in the world, having defeated the Crystal Palace champion and all the great cocks of America. These great birds, together with my other prize winners, place RUSSELL CAVE WHITE ORPINGTONS far in the lead. Both at Allentown and Augusta, two shows I made last year, I won at each the cup to that exhibitor whose ten or more birds of one variety showed the highest degree of excellence and uniformity of type and breeding. This record of winning in two of the most important poultry shows in this country the cup for the ten best birds has never been equaled by any other breeder in America.

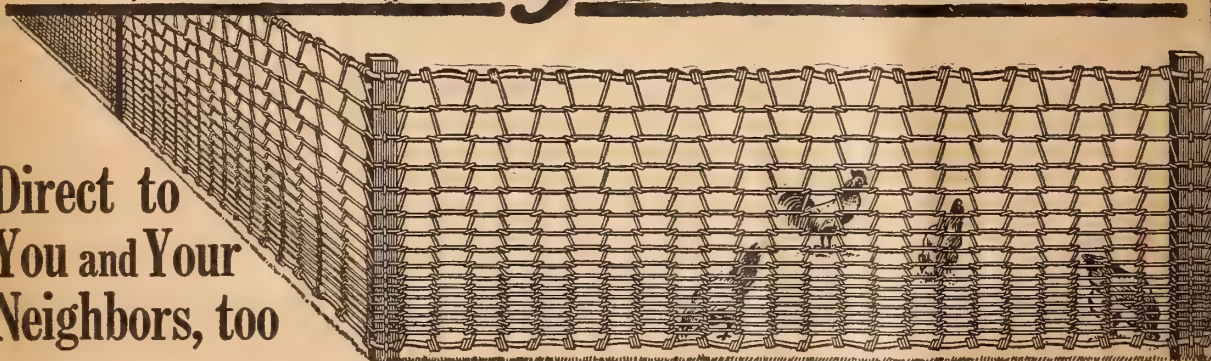
### GREAT STAMINA AND VIGOR

are to be found in my birds, not usually found in White Orpingtons. I attribute this to strong foundation breeding stock, our pure air and the blue grass range, 100 acres in Russell Cave Poultry Yards and 7,000 acres in Elmendorf Farm. The above statement is proven when I tell you that I now have the grandest lot of youngsters, up to weight, and ready to win the blue ribbons for you. Every bird guaranteed as represented and sold with the privilege of returning. Write us today. Duroc-Jersey swine for sale. Mention American Poultry Journal when writing.

**Russell Cave Poultry Yards** Elmendorf Stock Farm R. 3, Box 1025, Lexington, Ky.  
Louis Lee Haggin, Prop.

## Poultry Fence

Direct to  
You and Your  
Neighbors, too



**48 INCHES HIGH 22½¢ A ROD. 60 INCHES HIGH 25½¢ A ROD.**

Not a flimsy netting but a fence requiring fewer posts and no base boards or top rail. Spacing between the line wires graduated from 1½ inches, at bottom to 4½ inches at top. Stay wires 4½ inches apart.

Top Wire \_\_\_\_\_ Bottom Wire \_\_\_\_\_ Line Wire \_\_\_\_\_ Stay Wire \_\_\_\_\_

Positively the greatest poultry fence bargain ever offered—you can't afford to buy any other kind.

**48-INCH COMBINED POULTRY AND STOCK FENCE 27½¢ PER ROD.**

A heavier fence having the same construction as above and while close enough for small chicks yet strong enough to turn stock. Stay or upright wires in this style fence are 6 inches apart and the spacing of the line wires graduated from 1¼ inches at bottom to 6 inches at top. Following shows exact size of wires used.

Size of Top and Bottom Wires \_\_\_\_\_ Line Wire \_\_\_\_\_ Stay Wire \_\_\_\_\_

**All Fence Sold Direct to You at Factory Prices.**

Large Illustrated Catalog showing over 100 styles of Farm, Poultry and Lawn Fence mailed FREE on request. WRITE NOW—before you forget it.

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**\$4.95 Buys The New**  
**MANKATO**

Sold direct to you from factory at small profit! No frills or fancies but a real hatchery, made to last for many years and maintain the Mankato reputation for quality. Think of it! \$4.95 for 50 eggs size, other sizes at equally low prices. Brooders too. Wait before you buy. Get facts. See how little you need pay for the machine you want. Results are what you expect and what you get with the Mankato! Don't throw money away by paying a cent more than our rock bottom prices. The Mankato is the

**Equal of Any Incubator Made**

Case made of inch Redwood. Asbestos lined, triple walls, heavy pure copper, hot water heating system and boiler, perfect automatic regulator, correct ventilation, safety lamp, high nursery, strong egg tray, tested thermometer and all "extras" free—all set up complete ready for oil and eggs. None better at any price and few equals at \$5 to \$10 more than we ask. **BOOK FREE!** Send postal for book of proof. All about construction and results. A complete poultry guide. Don't wait!

**MANKATO INCUBATOR CO., BOX 821, MANKATO, MINN.**



Large size, \$8.25

Brooders equally low.

**WRITE!**

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Get these time-saving, labor-lightening farm and garden tools to secure the greatest yield from your crops. Fully guaranteed.

**No. 4 Planet Jr Combined Hill and Drill Seeder, Wheel Hoe, Cultivator, and Plow** sows accurately all garden seeds, cultivates, hoes, furrows, and plows. Indestructible steel frame.

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**FREE Instructive 64-page illustrated catalog.** Describes 55 implements. Send postal for it today!

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Box 1107T Philadelphia



**Increase Egg Yield  
This Winter,  
Save Money on Feed,  
Make Chicks Grow  
Rapidly, Strong**

by installing an Ideal Grain Sprouter and feed your hens the green food that is absolutely necessary to insure prolific egg production.

Eggs are going higher in price every day, the demand is far exceeding the supply, and it looks like good times and plenty of money for the man who has one of our Sprouters.

## The IDEAL Grain Sprouter

- is the best machine for sprouting grain ever made.
- will produce sprouts over 2 inches long in 24 hours;
- sprouts any kind of grain better, in less time and without fuss or muss;
- produces three to four bushels of feed from one bushel of grain;
- pays for itself in a single month by saving in feed bills, increasing egg yield, supplying food that makes chicks grow strong and vigorous.

The "Ideal" is made in several sizes—for a few hens up to hundreds. Can be used in summer (without lamp) as it has proper arrangements for moisture and ventilation to produce quick results and crisp feed.

**J. W. MILLER COMPANY, Box 600, ROCKFORD, ILLINOIS**

### CONSTRUCTION

Made of best lumber—double walls, insulated with heavy deadening felt—inside lined with galvanized iron—frame of trays heavy galvanized iron—bottom of tray heavy wire netting—front of machine glass, which induces green sprouts. These sprouts require very small amount of artificial heat which is produced by the Ideal Safety Lamp, the fumes of which pass through ventilators.

**Get Special Low Price Freight Prepaid Offer Today**

Don't delay but write at once for special low price freight prepaid introductory offer, full particulars and description of this perfect grain sprouter. No poultryman should be without it. It is the **Biggest Money Maker for the Poultryman since the Incubator was Invented.**

Made by J. W. Miller Co., Manufacturers of Incubators, Brooders and Poultry Supplies, which is sufficient guarantee of its excellence.

## Cedar Hill White Wyandottes

The leading winners at Philadelphia, Camden and Wisconsin. Stock for sale, Cedar Hill Poultry Farm, Ferd L. Spielberger and Henry A. O'Reilly, Props. 3523 Frankford Ave., Frankford, Pa.

## Disinfect Your Poultry House

Destroy lice, all vermin, prevent disease. Spray disinfectant or whitewash, with

### BROWN'S AUTO SPRAY

Does most work, easiest, at least cost. Auto pop nozzle. Handles all thick and thin solutions. Brown's Non-Clog Atomic Nozzle for large sprayers—big money-maker. Write for Spraying Guide, Free. The E. C. Brown Co., 52 Jay St., Rochester, N. Y.

## RUPE-CU-RA

Save Your Chickens and all profits. Don't let this dreaded disease sweep your flock. Rupe-Cu-Ra never fails. 50c package, but—Send today for sample. Try it yourself.

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LARGE  
SAMPLE  
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It is different in this that it does not tell how to get rich in the Poultry business—On the other hand, it is full of practical information, telling how to make money from Poultry in a conservative way. It tells of Incubators and Brooders, of Chickens and Eggs, of feed, and care and attention. This book will especially appeal to those who will be satisfied with a Poultry business that pays and who may enlarge their business with time and experience.

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**100** Envelopes, 3½x6½ inches, an extra strong, thick, smooth, slick, white writing face, and 120 Letterheads, 8½x11 inches, heavy, hard, smooth, slick, pure white writing paper, all artistically printed and illustrated with latest new Standard cuts of your breed for only \$1.00. Express charges paid by me. Better printing for the price was never done. No order less than \$1.00 filled. Name your Express office. Cards, tags and egg labels same price as above.

Address, J. R. HUDSON, Hardin Springs, Ky. I have seen samples of Mr. Hudson's printing. It is very nice; he is perfectly honest.—EDITOR.

WILL MAKE HENS LAY

WILL MAKE CHICKS GROW

SOMETHING TO CROW ABOUT

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About 30% Tri-Calcium Phosphate  
Popularly Called **BONE ASH**

NO OTHER BONE NEEDED | NO OTHER GRIT NEEDED

NO MORE BONE CUTTERS NEEDED  
NO MORE BEEF-SCRAPS NEEDED  
NO MORE CHARCOAL NEEDED  
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100 lbs. - \$2.25  
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VALUABLE BOOKLET FREE

**Balanced Ration Formulas Free**

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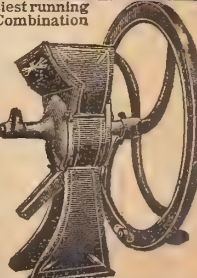
## \$5 Humphrey's Wonder GRIST MILL

Simplest, easiest running mill built. Combination

hand and power. Self cleaning. Mill taken entirely apart by loosening four bolts. Grinds corn, oats, barley, rye, etc.

Capacity 2 to 7 bushels per hour. Grinds fine or coarse. Special process chilled iron. Self-sharpening grinding rings. Can grind meal, coffee and spices for table use. Hand wheel 20 in. Power pulley 12 in. x 2 in. ¼ to 1 H.P. Shipping weight 55 lbs. Ask for catalog. **GUARANTEED.**

Sold on Free Trial  
**HUMPHREY, Avon St. Factory, Joliet, Ill.**





Be careful. You can pay more for a much less valuable incubator

# Queen

THE  
QUEEN  
POULTRY  
GUIDE

## An Honest, Profit-making Proven Incubator at a Low Price

The Queen has all records beaten—a \$12 Queen outhatched a \$45 machine by 25% last year. We will send you the owner's name if you care to have it.

Once a Queen user, always a Queen user, because the Queen is the biggest chick producer money will buy. Everywhere the Queen is producing hatches as big as machines costing double or treble its price.

I do not build the Queen "cheap" to sell "cheap." I make it substantial and it has every approved hatching principle. It does not dry apart and go to pieces in a year or two. A machine good for 25 years. And the price is as low as such a substantial, up-to-date hatcher can possibly be sold for.

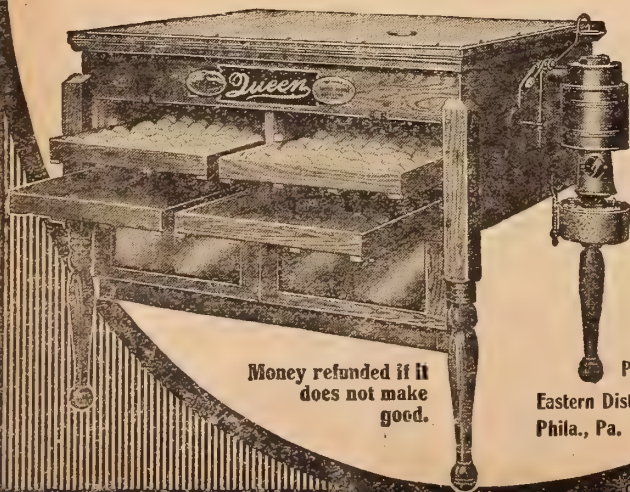
## The 28 Big Features

The Queen for 1913 is the story of 28 great features. The story can't be told here. But point by point in my catalog I show you just what the Queen is and why it has attained its national reputation.

**Don't spend money for "Frills."** The "frills" do not give you more chicks, and chicks are what you want. The Queen, in addition to its hatchability, has convenience, ease of operation, simplicity, neatness. There is nothing more than that that is worth while in any incubator. Don't be influenced by big claims and "talking points." You can pay more for an incubator than the Queen's price, but you will get no more chicks. The extra cost is waste.

Everyone interested in the incubator question should have a copy of my book, the Queen Poultry Guide and Catalog. It tells you what you ought to know about chick-raising before you buy. I have written it myself for those who want honest information about incubators. To read it means actual dollars saved on your purchase and more actual dollars earned in your use of the machine. Don't buy an incubator until you've read this book. Your copy is ready for you. Don't wait. Send for it now, today.

*Quick delivery to extreme East and West. Distributing houses in principal cities.*



Money refunded if it  
does not make  
good.

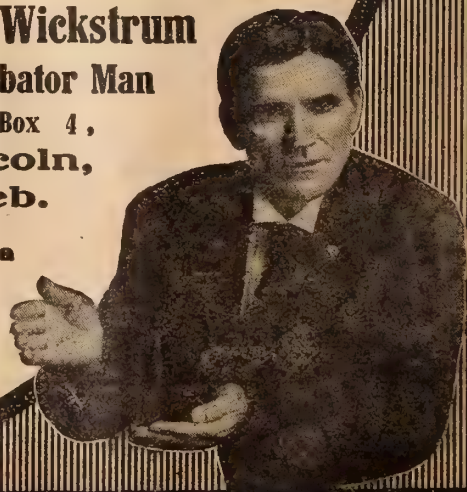
**P. M. Wickstrum**  
**Incubator Man**

Box 4,  
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Sold on a  
Liberal  
Trial  
Plan

PRATT FOOD CO.

Eastern Distributors  
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"Loaned my copy and it was never returned. Please send me another."

"Taught me more about Poultry Raising and Standard Bred Poultry than I ever knew."

"Saved me \$10 the first shot."

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"Brimful of Helpful Hints"

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"Told me just what I wanted to know,"

"Gave me my start."

"Your book made everything simple and plain to me."

"Most interesting poultry book I ever saw."



## This Book Tells All About Poultry and Incubators

**Worth \$1.00 But Because It Contains Advertising You Get It Free**



**J. W. MILLER**

If there ever was a book on poultry and poultry-raising that would pave the way to success in the business, this new big book of mine is the one.

Tells everything beginners and old timers should know:

- Suggests what kind of foods to buy;
- Gives valuable information to beginners;
- Discloses the secret of my success—"How We Do It on Millhook Poultry Farm";
- Pictures and describes all kinds standard bred poultry;
- Gives coloring, habits, weight, etc., of different breeds;
- Quotes experiences of those who have "made good";
- Explains what remedies to use in time of need;

—Has Question and Answer Department and lists supplies and appliances that have given satisfaction to experienced, successful poultrymen.

This valuable book is not for curiosity seekers, but for men and women who are interested in poultry for pleasure or profit. The reason why I send it free is because it also tells all about my

# IDEAL

## Incubators and Brooders

There are more chickens, sturdier chickens, greater profits for all in my "Ideal," than there is in any hatcher on the market.

You don't need to be an expert to run it.

It has a heating and ventilating system that *automatically* supplies required moisture;

—A regulator that will not allow temperature to vary a fraction of a degree;

—The best nursery advantages;

—The handiest egg tray;

—The most accurate thermometer;

—The record for successful hatches, etc.

Last year I sold this sure-profit-paying incubator at a price so low that I gained thousands of new customers. This year I'm going to keep up the good work and this is your chance to get my Ideal incubator at lowest figure ever quoted on an efficient, dependable hatcher.

### Here's My 1913 Offer

## I'll Pay the Freight—Give You an Unqualified Guarantee And Include Everything FREE

—best safety lamp—burner, chimney, wicks, lamp bracket—all complete; also egg tester, egg trays, thermometer and thermometer holder, etc. There'll be no extras to buy. You will get the "Ideal" all ready for your eggs—all ready to make big money right from the start.

Before buying an incubator from anybody be sure to look into my IDEAL and learn the really low price I put upon it. Get the FREE book anyway, whether you are ready to buy now or not.

### Send Me a Postal—I'll Do the Rest

When writing, be good enough to mention whether interested in 60, 120, 175, 240 or 360-egg incubator. This will not obligate you in any way, but help me distribute my valuable book among those interested and not curiosity seekers.

This book is worth \$1.00 of anybody's money. You'll be glad you sent for it. Do it now—before you forget it.

**J. W. MILLER**

**J. W. Miller Co., Box 56, Rockford, Ill.**

Also manufacturers of Ideal Grain Sprouters. Get prices

**J. W. Miller Co., Dallas, Tex.**

**The Chas. H. Lilly Co., Western Dist. Seattle or Portland**

## NOTICE

I have a limited quantity of these books on hand, and so that you may be sure of getting one, please send me your name and address at once.

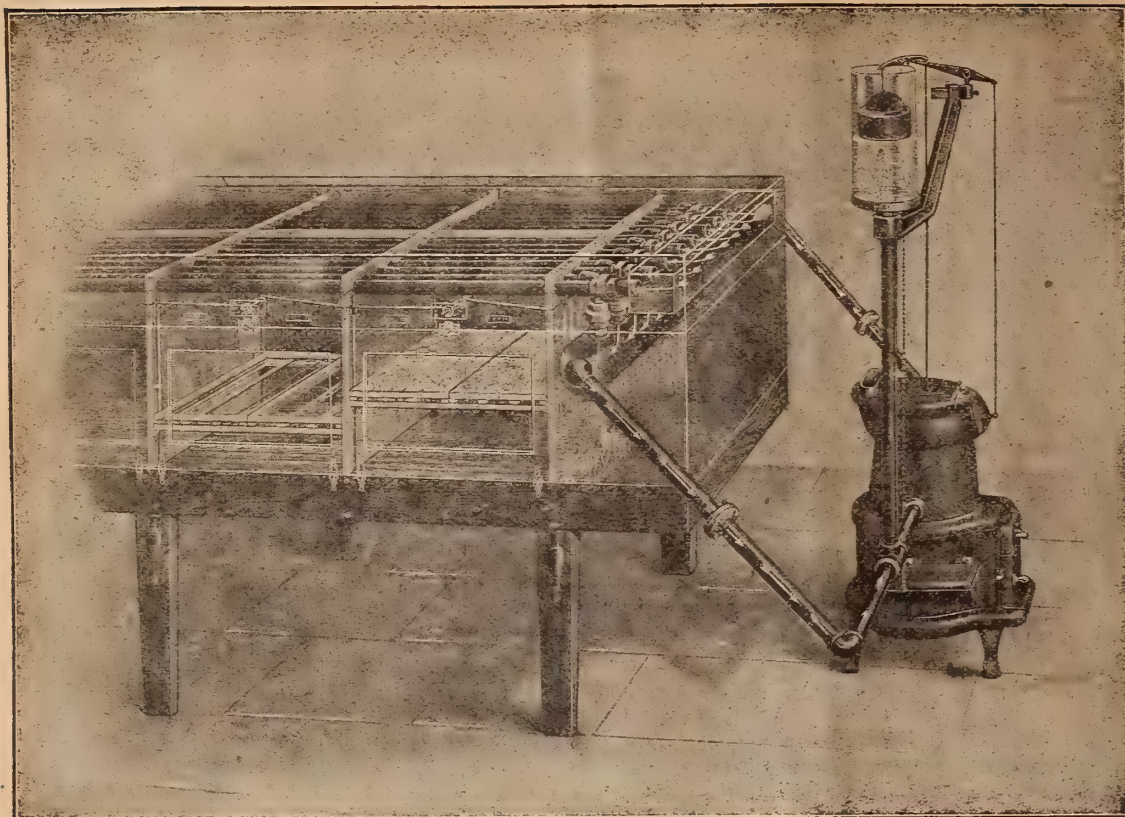
## —MILLER

## The IDEAL 240-Egg Size

**The Greatest Hatcher That Ever Came Out of a Factory**







Interior view, showing method of heating compartments, and heat control.

## Hall Mammoth Incubator Means Reliability

We originated the idea of the Mammoth Incubator. We saw the need of it, we blazed the way. OTHERS HAVE FOLLOWED US. But we have kept our lead. We have constantly improved our product, we have at all times studied the interest of the Incubator industry, and particularly that of our customers. We manufacture the MOST PRACTICAL and EFFICIENT MAMMOTH INCUBATOR.

### Reliable

Because every phase of Hall Mammoth Incubators has been thoughtfully considered by competent engineers, as a result the elements of VENTILATION, REGULATION, MOISTURE, SIMPLICITY and EFFICIENCY have been brought to the highest point of perfection.

### Construction and Assembly

It is built on the "knock down" principle, all parts are quickly and easily fitted together. The construction is sectional, and can be added to, or taken apart at any time without injury. All wood used in the Hall Mammoth Incubator is first quality chestnut, twice kiln dried. Hardware especially made, with a view to give best service. Best quality filler and varnish used.

### Heating Apparatus and Control

The HALL SELF REGULATING furnace IS reliable. Why? Because it depends on the infallible law of water expansion when heated, and contraction when cooled. THIS SYSTEM IS POSITIVE. We burn hard coal, and the coal consumption is remarkably low, requiring attention only twice a day. Does away with poisonous oil fumes. No danger from fire, NO UNRELIABLE THERMOSTATS.

### Our Ventilation and Moisture System

is correct in theory and fact. Long experience has demonstrated this to be so. The OVERHEAD pipes give uniform warmth where it is most necessary. The SLATTED BOTTOMS permit entrance of fresh moisture laden air, and escape of all unhealthy emanations from developing embryos. Atmospheric conditions ALWAYS CORRECT, NO DRAUGHTS.

### Movable Trays

As the embryo develops, it requires varying conditions, it receives this treatment from the mother hen, note how she leaves the nest more frequently and for longer intervals as the time for hatching approaches. The eggs require less artificial heat, the developing embryo begins to develop its own. Movable egg trays improve on the mother hen because the change is gradual and the varying requirements of the developing embryos are thus met evenly.

Below is shown a partial list of plants which have doubled or trebled their capacities. There are many others. The point is, that these people would not have re-ordered from us, unless they were absolutely satisfied with the results obtained. This proves our equipment does all we claim, and is a profitable investment for our customers.

Customer	Capacity	
	Original	Present
Wayne Poultry Farm, Stony Point, N. Y.	6,000	21,000
Fulton Market Poultry Farm, Youngstown, Ohio	6,000	11,700
R. L. Hutchinson, North Raynham, Mass. (Ducks only)	6,000	12,000
Pittsfield Poultry Farms, Pittsfield, Me.	12,000	24,000
Mt. Pleasant Farms, Mt. Pocono, Penn.	6,000	24,000
Michigan Poultry Farms, Lansing, Mich.	12,000	60,000
Brookside Farms, Great Barrington, Mass.	6,000	21,000
Springwater Poultry Farms, Stockton, N. J.	9,000	19,200
C. M. Woolver, Richfield Springs, N. Y.	15,000	30,000

Hall guarantee is a certificate of excellence and efficiency in every way.

Investigate us, write to our customers, and learn for yourself that the HALL MAMMOTH INCUBATOR IS THE BEST.

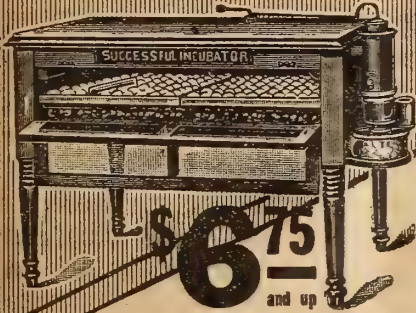
Write for our new catalogue X It contains valuable information. Tell us your trouble, ask for advice, our knowledge and experience is at your disposal, and it will afford us pleasure to help you. We guarantee all our goods.



## The Hall Mammoth Incubator Co., Little Falls, N Y.



# Read this Page—Then You'll Know What Kind of an Incubator to Buy—



**There Are 20 GOOD REASONS Why You Should Buy a "Successful" Incubator In Preference to Any Other Hatching Machine.**

**18 of These Reasons are the Features of Superiority Printed Below. The Other Two Reasons Are Records for Larger Hatches and Our Low Price Offer.**

I WISH everyone interested in the *big profits* to be made from the poultry business, especially those interested in incubators and brooders, could see this page announcement of mine.

Probably it would mean the saving of *many dollars* to them, the saving of *many hatches*, the saving of a lot of *trouble, time and annoyance*—by keeping them from buying a cheaply constructed or poor incubator.

You know there are two kinds of incubators on the market. One built merely to sell for a low price—the other built to hatch the greatest number of chicks from the eggs put into it, do it year after year as long as the incubator is in use, and sell at a price that anyone can well afford to pay.

The latter exactly describes my

## Successful Incubators — Successful Brooders

**Life Producers**

**Life Preservers**

I do not promise you impossible things. But what I do promise is that a "Successful" will hatch *larger and stronger chicks* and a *larger percentage* of them than any other incubator in use anywhere. No other machine is so big a money-maker—none other so big a profit-payer.

This is no idle statement. The special construction of my Successful Incubators, combined with exclusive points of merit, go to make an incubator the equal of which has never been manufactured. You can see this for yourself in the detailed description of the hatcher. Read over the list. You'll find my "Successful" is

- the **ONLY** incubator cabinet made;
- the **ONLY** one scientifically ventilated;
- the **ONLY** one that heats the colder edges first, like a greenhouse or dry kiln.
- the **ONLY** one that has 18 good hatching points, any one of which should make you decide in its favor.

If you are anxious to get into the poultry business, to make a good living out of it and *want to start right*, you will make no mistake buying a Successful Incubator.

With the "Successful" no experiments or trial hatches are necessary—you'll have no failures. With the incubator I send you complete instructions for getting the best results, also

## \$25.00 Poultry Course, FREE

This course contains the most practical advice ever given to beginners. It tells how to produce poultry and eggs at lowest cost, explains how to sell them to best advantage; all about poultry house construction, many different feed formulas, diseases of poultry and their remedies, how to raise ducks, geese, turkeys, etc., etc., in fact, takes you from the beginning to end of the business, revealing everything necessary to insure you more profit from poultry.

If you are thinking about buying an incubator, don't be persuaded to decide on any make until you write for my

## Successful Catalogue—It's FREE

—and learn what I have to offer you. My book tells all about various incubators and brooders. It gives you a good idea of the advantages of each, what size to buy, etc. It is frank and comprehensive—free from all exaggerations—and tells you just what steps need be taken to insure success.

Write for my book if only to get my low price offer and to read page 6 which contains my guarantee—the strongest guarantee ever put behind an incubator. Don't buy an incubator that guarantees less. Don't fail to ask for prices on Successful Brooders—the only brooders made with automatic heat regulator, therefore, the best chick preservers. Address

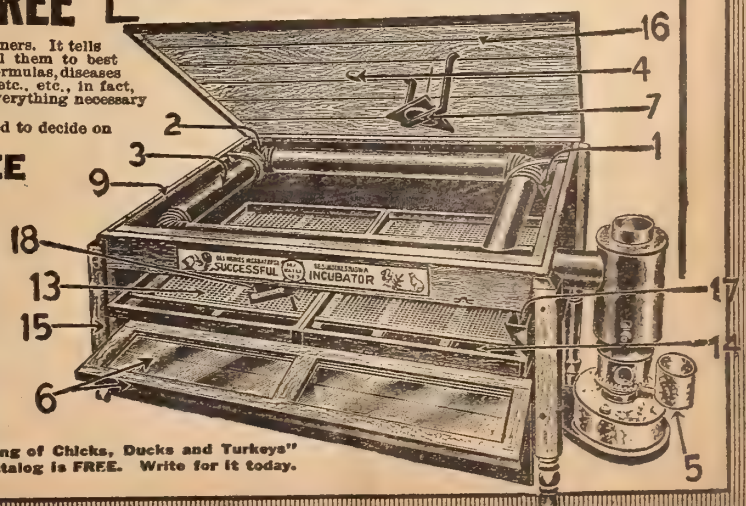
J. S. GILCREST, Pres. and Gen. Mgr.

**DES MOINES INCUBATOR COMPANY**  
1 Second Street, Des Moines, Iowa

NOTE—Our famous little booklet, "Proper Care and Feeding of Chicks, Ducks and Turkeys"—worth its weight in gold—sent for 10 cents. But our big Catalog is FREE. Write for it today.

## Here Are 18 Features—Any One of Which Should Make You Buy a Successful

- 1—The only hatcher that heats the colder edges of the body first.
- 2—Round corners on tank, giving faster current, more even heat, better regulation.
- 3—Heaviest copper tank used on any incubator.
- 4—Only one scientifically ventilated. Admits cold air at center of top. Does not create draft which dries out eggs.
- 5—Safety attachment on lamp burner—provides absolute protection from fire.
- 6—Only incubator with two glass doors—through which thermometer may be seen.
- 7—Combination water thermostat regulator.
- 8—The only machine guaranteed with a guarantee that guarantees and evades no issue.
- 9—Built like a refrigerator.
- 10—Case non-warpage.
- 11—Weights more.
- 12—Cost less per pound.
- 13—Strongest, most durable egg trays.
- 14—Nursery under egg trays. The greatest feature applied to artificial incubation.
- 15—Detachable legs, allowing machine to be stored in very small space.
- 16—The only incubator in the world cabinet made.
- 17—Simple, effective application of moisture when necessary.
- 18—Adjustable thermometer. Never necessary to open doors or pull out the trays to read temperature. Thermometer is stationary; chicks cannot knock it over.





# RED RAVEN REDS

**GRAND CHAMPION WINNERS, N. Y. and BOSTON**

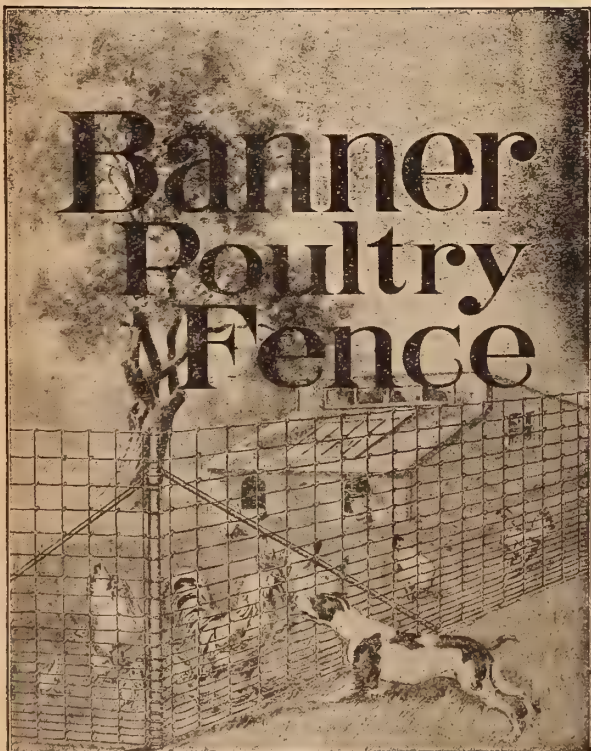
Exhibition and breeding birds bred direct from my champion prize winners or their kin, for sale at **popular prices**.

We can supply you winners for any show, at prices that will please, as we succeeded in raising a lot of superior quality specimens and are overstocked. Write and be convinced. No better Reds anywhere.

Our book on Reds tells you "How to Mate and Exhibit Reds." Best and handsomest book on Reds ever published; cost us hundreds of dollars, and every breeder should have one; we send it for only 10c.

We can please you in Reds and save you money at the same time. Write your wants.

**J. G. Budde & Co., Oak Park, Ill.**



For Sale by Dealers Everywhere

Descriptive Catalogue Sent

**American Steel & Wire Co.**

Chicago New York Cleveland Pittsburg Denver

**BANNER POULTRY FENCE** is an improved square mesh Poultry Fence of great strength, durability and closeness of mesh—a fabric for fencing poultry yards having all the advantages of old style poultry netting with none of its disadvantages—a fabric especially designed to hold all the poultry, from the chick to the grown bird, and shut out small animals. Made of **LARGER** wires, **STRONGER**, more **DURABLE** and **SIGHTLY**; in fact, a **BETTER** article at **NO** increased cost.

**BANNER POULTRY FENCE**, which we have just placed on the market, meets every requirement of a satisfactory fence for poultry. The spacing between the six line wires at bottom of fence is only  $1\frac{1}{2}$  inches and gradually increases to  $3\frac{1}{4}$  inches at top, so the essential feature of a satisfactory poultry fence—closeness of mesh—is well taken care of in this fencing.

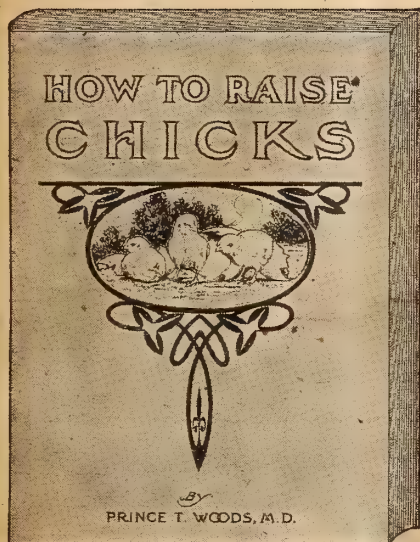
The 4 ft. height, design 2748, has 22 lines or horizontal wires, which are two or three wires more than any other design of poultry fence on the market. The upright wires or stays run continuously across the fence and lock firmly around the intersecting line wires in a loop knot, forming a smooth, solid joint without any sharp, rough edges.

**BANNER POULTRY FENCE** is easily erected, holds taut and trim, standing up without sagging; fewer posts are needed, and no top or bottom rails. Posts may be set a rod apart, and if the fence is well stretched it will be strong and effective. It can safely be used next to pasture, as it is amply strong to stop stock as well as confine all small animals. The wire from which it is made is hard, tough and strong, so the fence retains its shape when properly erected. It stretches up like a field fence over any kind of ground. The user of **BANNER POULTRY FENCE** can make his poultry yard fence just as neat and attractive as any other fence on the place at a saving over the cost of erection of the old style poultry yard fabric.

The many advantages of this new **BANNER POULTRY FENCE** are making it very popular.



# Every Poultry Keeper Everywhere Should Have



DR. PRINCE T. WOODS' NEW BOOK

## HOW TO RAISE CHICKS

*Including Revision of "Facts About  
White Diarrhoea"*

A down-to-date manual on breeding poultry getting hatchable eggs, incubation and brooding both natural and artificial, preparing chick foods, feeding chicks, how to raise chicks and how to avoid and prevent disease and losses. Told in plain language. Illustrated with reproductions from photographs and with pen drawings. Tells how to make your own brooders and chick foods. Written by a man who knows how and how to teach others. 88 pages, 35 illustrations and 5½x8

inches in size. Printed on good paper. Well and durably bound in cloth.

**A Book for Everybody Who Keeps Fowls or Grows Chickens Whether  
Beginner or Old Timer in the Field of Poultry Work**

### IT HAS TEN CHAPTERS:

**Chapter I—Selecting and Mating Breeding Stock.** Constitutional vigor necessary in breeding stock to secure vitality in the chicks. Tells how to get it. Selection and care of male bird. Selection of females. Mating. Number of females to a male. The service. Fecundity vs. sterility.

**Chapter II—Food, Vegetable, Animal and Mineral.** What food is. Chief source of all food. How plant grows. Food elements.

**Chapter III—Fowls and Food.** The living fowl and the Life Principle. The living cells. Chemistry of fowl's body. Disposition of food varies with individuals. Variety of wholesome, palatable food necessary. Balanced ration is desirable. Live food needed. Digestion of food. Maintaining body temperature. Exercise. Give the fowl a chance to balance its own ration.

**Chapter IV—Care and Management of Breeders.** Housing. Foods and feeding. Hoppers and automatic feeders. Importance of comfort. Keep them healthy and happy. Well fed healthy breeders managed for comfort yield hatchable eggs.

**Chapter V—Eggs for Hatching.** Selection of eggs. Sex of eggs. Fertility. Gathering and keeping eggs. Time eggs may be kept. Period of incubation.

**Chapter VI—Incubation, Natural and Artificial.** How to get

good hatches with hens. How to get good hatches with incubators. How to test eggs during incubation. Simple home-made egg tester.

**Chapter VII—Brooding with Hens and with Brooders.** How to brood with hens. Brood coops for hens and chicks. Let chicks range and keep hen confined. How to brood chicks in brooders. Heated brooders. Fireless brooders. How to make your own brooders. How to operate brooders. Comfort a better guide to the right temperature than a thermometer. Patience needed in teaching chicks.

**Chapter VIII—Chick Foods and Feeding Chicks.** Home-made chick food, how prepared. Freshly prepared foods best. Commercial foods. Cooked food. Live food. Other necessities. How to feed.

**Chapter IX—Growing Chicks.** Weaning chicks. Colony coops and range. Changes in rations. Growing for stock birds and layers. Market chicks.

**Chapter X—Facts About White Diarrhoea.** What white diarrhoea is. Symptoms of disease. Causes. Is there more than one form? Has germ of specific disease been found? Infection. Prevention. Treatment. Formula for a simple remedy which has proved effective in many cases in many climates for four years.

**Here Is a Book Devoted to Chick Comfort and to More and Better Chicks**  
**75c Per Copy, Postpaid**

**With American Poultry Journal One Year, Only \$1.40**

Send in your order today for a copy of "HOW TO RAISE CHICKS." Orders filled same day received. No vexing delays. If you already are a subscriber and want to take advantage of this offer for the book and a year's subscription to American Poultry Journal, we will advance your present expiration date one year.

Canadian subscribers add 25c for postage; foreign 50c

**Learn to Save Your Chicks. That Means More Profit. 75c**  
**Dr. Woods Tells How. Send for the Book Now; Only CLOTH BOUND**

**American Poultry Journal, 542 So. Dearborn St., Chicago, Ill.**





## Richland Farms S. C. W. Leghorns

**BABY CHICKS - HATCHING EGGS - BREEDING STOCK**

We can supply your wants in above with absolute satisfaction assured. Vigor, health and superior laying qualities, along with the best possible Standard qualifications are our aims, and the results of years of breeding have proven our **Richland Farms Strain** superior in these respects. We have doubled our plant and with improved stock can give every customer prompt and proper care. Our Birds are winning regularly for our customers. At Frederick Show, 1912, we sold all five first prize winners. For us they have won at Baltimore, New York, Hagerstown, etc., at Baltimore winning first pen two years in succession. Write us your wants. Catalog for the asking.

**Richland Farms - Box 79 - Frederick, Maryland**



**It is Profitable for You to Use the Best of Feeds and Appliances**

Eaton's Life Saver Little Chick Food.

Eaton's Growing Ration.

Eaton's Climax Grain Mixture.

Eaton's Perfection Mash Mixture.

Eaton's High Grade Pigeon Food.

Uniform in quality, dependable rations.

**EATON'S FAMOUS  
POULTRY FOODS**

For Sale by Your Dealer or

R. D. Eaton Grain & Feed Co., Dept. J, Norwich, N. Y.

The Peerless Self-Feeding Dry Food  
**HOPPER**

is an up-to-date poultry appliance, and fills the demand for a practical feeder at a modest price.

**OUR BOOKLET FREE**



## EVERGOLD BUFF DOTTES

**Have Won Twenty-Seven First Prizes at Big Shows in 1912**

We have something to tell you about Buff Wyandottes in general and Evergolds in particular which cannot be printed here. We are publishing at great cost to us an elegant text book on Buff Dottes and catalogue of Evergolds which we will send for a nominal price of 20 cents. Every breeder should have one. Price list free. Also our new Evergold individual descriptive cards on any stock you wish to purchase. (You can know what it is you are buying.) For good Buff Dottes and fair treatment, come to

**Rocky Run Farm**

W. G. Marshall, Owner, Cleveland, Ohio  
Gerald Williams, Manager

**Box 50, Northfield, Ohio**

## CARVER'S RED FARM

**ROSE AND SINGLE COMB REDS**

Our customers are reporting big winnings from all parts of the country, showing that Queen Quality Reds are all we claim for them. In the East and West, as well as the Middle and Southern States, our customers are winning the blue. We have some magnificent high grade cockerels at bargain prices; also fine breeding cockerels cheap. Our matings are the finest we ever put together for our egg trade and we are not going to raise our prices because our star is in the ascendancy, but give our customers the best there is in us at our same old prices.

**SEE OUR ADVERTISEMENT ON BACK COVER**

**A. A. CARVER : : LOCK BOX 2 : : SEVILLE, OHIO**



## Buff Orpingtons

Win decisively at Chicago—1909, 1910, 1911. All firsts and seconds at Memphis, Nashville and Louisville. Indianapolis, more firsts than any other exhibitor. This trap-nested winning strain is bred in every State and **making money** for its owners.

Hundreds of birds for sale in both sexes that are right. Eggs ready to ship out.

Send for the big Orpington Fashion Plate Book. Tells all about my 25 matings, price of eggs and stock. 52 pages and free.

**A. E. Martz** Buff Orpington Specialist..... **Box A, Arcadia, Indiana**



# \$4,223

## IN ONE YEAR ON A TOWN LOT

is the title of a new book that we have just completed, and is the amount of money actually made in one year by H. Cecil Sheppard of Berea, Ohio, with his chickens, and he tells in a very comprehensive way just how he did it. Anyone can do the same thing if they pursue the same method as Mr. Sheppard did.

This book is printed on high-class enamel paper, is profusely illustrated, contains nearly 100 pages of reading matter; bound in cloth, and divided into nine chapters, as follows:

CHAPTER I—THE ROAD TO SUCCESS.....	11
Practical information—Selecting the breed—Start on small scale—Pigeons—Buy good stock to start with—At the poultry shows—Advertising pays well—Importance of advertising—Doubled my capacity each year—Selecting the variety—My actual experience step by step—Living on a town lot—A little paradise in five years.	
CHAPTER II—INCUBATORS AND BROODERS.....	19
Placing the eggs in the incubator—Importance of cooling the eggs—Running the incubator the right temperature—Keep the brooder clean—Preparing the brooder for the chicks.	
CHAPTER III—CARE OF CHICKS.....	23
Don't chill the young chicks—Right temperature the third and fourth weeks—Feeding the young chicks—Green food necessary for young chicks—Charcoal and grit important—Sprouted oats a great egg producer—Perfect winter quarters—Automatic feeders for growing stock—Don't force the breeders.	
CHAPTER IV—POULTRY HOUSES.....	31
Open air houses most satisfactory—Birds singing in zero weather—The ideal chicken park—The necessity of cleanliness—My first eggs four months—Imported the best stock obtainable—How I commenced advertising—My first order for hatching eggs—Chickens laying all fall and winter—Increasing advertising increases business—Good results at end of year.	
CHAPTER V—PLEASURE AND PROFIT.....	33
Sales \$9,515.00 sixth year—Gives up everything for chickens—A square deal for everybody—Building up a good character—The science of salesmanship—The four stages of salesmanship—Good stationery and catalog important—Found it necessary to move to a farm.	
CHAPTER VI—WHAT TO DO EACH MONTH OF THE YEAR.....	45
Care of young stock—Houses thoroughly cleaned and sprayed—Orders and shipments—How to ship the birds—Birds need extra care in November—Getting the birds ready for the show room.	
CHAPTER VII—MATING STOCK.....	51
The male is half the breeding pen—Catalog and mating list—shipment of eggs and baby chicks—How to ship baby chicks—A colony house from a piano box—June end of hatching season—The pleasant smile.	
CHAPTER VIII—THE AMERICAN QUEEN.....	59
Good time to get interested in poultry—Possibilities of the hen—Poultry business offers grand opportunities.	
CHAPTER IX—ORIGIN OF ANCONAS.....	63
Color of the Ancona—Shape—Habits—The fancier's fowl—As a utility fowl.	

The price of this book is \$1.00, but in order to give our subscribers an opportunity to secure a copy, we make the following offer:

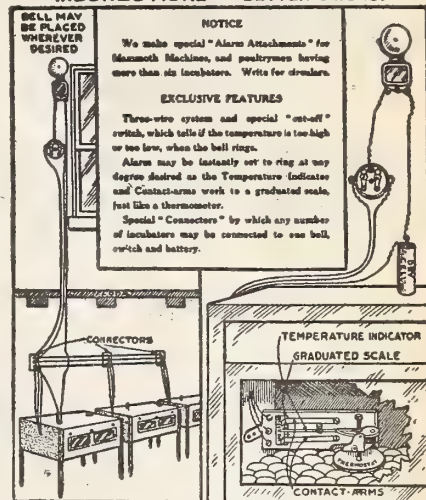
\$4,223.00 In One Year On a Town Lot and one year's subscription to American Poultry Journal for only **\$1.50**

(Canadian subscribers add 25 cents per year and foreign 50 cents per year for postage)

SEND ALL ORDERS TO

**American Poultry Journal Publishing Co.,**  
542 South Dearborn Street : : Chicago, Illinois

### MARTIN'S ALARM SYSTEM SAVES WORK, WORRY AND MONEY. INSURES MORE AND BETTER CHICKS.



The original and only practical alarm system for incubators—adapted to all makes, shapes and sizes—can be installed in a few minutes by any one—a common dry battery operates it a season for any number of machines—will last a lifetime.

Martin's Alarm System will enable that incubator to call when it needs attention. Think what this service means to you and your chicks—consider the effect it must have on your poultry profits. It is used and recommended by prominent poultrymen and Government Experimental Stations.

#### Here is a Sample Letter:

Keystone Hatchery, Altoona, Pa., Feb. 5, 1912.  
Martin Mfg. Co., Broadway, Va.

The electric alarms secured from you some months ago are sure working fine. Have one on each of my mammoth machines and while our house is over 200 feet from the cellar the bell rings nicely in the house as soon as the temperature goes a degree either hot or cold. Am also using one for a safety device in my building and have it arranged that should the building for any reason get afire it would not burn long until we would know it. I consider your alarm a wonderful invention and have them guarding over 23,000 eggs for me at one time.

J. W. PARKS

Proprietor of hatchery and well known Barred Rock specialist.

#### Why Not Let It Guard Your Eggs—Insure Your Hatches?

Progressive poultrymen everywhere are doing it. Why? Because it was the one thing needed to make artificial incubation pleasant and profitable. The cost is trifling and it is sold on approval. See trial offer below.

#### PRICES AND TRIAL OFFER.

An "Alarm Outfit For One Incubator," complete, with "Alarm Attachment," Special Switch, Bell and "Instruction Sheet," price, \$2.75. Additional "Alarm Attachments," complete, with Connector, \$1.75. Batteries and the insulated wire can be secured at any hardware store. However, when desired, we can furnish wire at 30c. per 100 feet. Tear out this ad, fill out the attached Order Blank and mail to us to-day, and we will send your Alarm Outfit by return mail Postpaid. Use it through two hatches, and if you are not satisfied, return it and we will refund every cent of your money. Don't chill or cook another chick, but order NOW—you run no risk. Address,

**Martin Mfg. Co., Broadway, Va.**

Find enclosed \$..... for which send by return mail an "Alarm Outfit For One Incubator"..... Additional "Alarm Attachments," and ..... feet wire. If this Outfit is not satisfactory, it will be returned and you are to refund my money.

Name .....

Town .....

R. F. D. .... State..... APJ.



# OWEN FARMS!

## AND AGAIN I SAY

# OWEN FARMS!!

We are the **AUTHORITY** on **WHITE ORPINGTONS**.

We are the **AUTHORITY** on **BUFF ORPINGTONS**.

We are the **AUTHORITY** on **WHITE ROCKS**.

We are the **AUTHORITY** on **WHITE WYANDOTTES**.

We are the **AUTHORITY** on **SINGLE COMB REDS**.

We are the **AUTHORITY** on **ROSE COMB REDS**.

We are the **AUTHORITY** on **BARRED ROCKS**.

We are the **AUTHORITY** on **BLACK ORPINGTONS**.

Mr. Platt of the **RELIABLE POULTRY JOURNAL** was in my office last week and he said: "Mr. Owen, do you not think that your advertising would pay better if you took, say, one-half page on White Orpingtons and Buff Orpingtons alone and had all of your advertising matter concerning these birds by itself, and then in another place in the paper have a half page including your White Rocks and White Wyandottes, and in still another portion of the paper a half page on Rhode Island Reds, Single Comb and Rose Comb, and in still another place in the paper a half page on Barred Rocks and Black Orpingtons?" I replied to him that I had given the matter a very great deal of consideration and that it had been proposed to me very many times by representatives of other poultry papers, but I was inclined to think that they were wrong.

However, the principal proposition is to advertise as well as we know how **OWEN FARMS**. If there is anything the public ought to know about them, to put it before the public in the strongest possible form. This for an illustration: My sister has made up her mind that she will try to raise some turkeys this coming spring. Now, she knows nothing about turkeys and I am sure I know nothing about them. Yet some time between now and spring my sister must secure either stock or eggs of turkeys in order for her to commence her work. I ask the question: "What will influence us in the determination of where we will go for stock and eggs?" As sure as you are born, our decision will be made according to the answering of the following question. "Who is the breeder in the United States of America who has a reputation of being the **AUTHORITY** on turkeys; who has the reputation of having good, healthy, vigorous stock, and lastly, who has the reputation of being a square man?"

Apply this rule to our advertising and I say without question the important thing for Owen Farms to put before you is that they are **THE AUTHORITY** on the varieties they breed and sell. Our winnings at the largest shows in America have proved this point beyond question. We have been larger and more consistent winners in the strongest competition than any other farm in the coun-

try. This means that we know birds, their value, their perfection and their possibilities of winning. It also proves that we know how to breed them, and if we do know how to breed them, we can help you and furnish you the birds to do it.

I take pleasure in submitting to you below **TEN** very good reasons for purchasing your exhibition birds, your foundation stock of breeding birds, or your eggs for hatching from **OWEN FARMS**:

1. Our farm is founded on a "Hobby" to produce the Best Poultry the World knows.
2. Our business organization, managers, men, are the strongest possible.
3. Our "Proof of Quality," meaning our Winning Record, has never been approached.
4. Our liberality in value giving and in general care of our customer stands as an example for all others to follow.
5. Our frank statement that you are under no obligation to **OWEN FARMS** until you have seen and **ACCEPTED** what you buy makes your **SATISFACTION SURE**.
6. Our having the highest **QUALITY** in **QUANTITY** makes your breeding results certain from the start.
7. Our methods, plans and conditions are formed, changed and improved solely that our customer may be better served.
8. Our desire over and beyond everything else is to be known as the one Poultry Farm in the United States as faithful yesterday, today and tomorrow to the trust imposed in them by their customers.
9. Our ideas of value are based upon the broadest knowledge and we make less mistakes than any farm and mean that all mistakes shall be made against ourselves.
10. Our position of being **THE AUTHORITY** on our breeds cannot be seriously questioned. Winning **27 FIRSTS** at New York last show in most prominent classes in show proved it. Who would ask the opinion of a breeder who had never won at New York or produced a New York winner whether a certain bird would win at Madison Square Garden? Who?

## Eggs For Hatching

As you know, we are not showing at Madison Square Garden, New York, this year. We have made a number of showings at the early shows, notably at Nashville, Memphis, Atlanta and Augusta, where we have truly won nearly everything that it was possible to win with the birds entered. We are making a showing this week at Chicago, and I am sure in advance that we shall have no reason to be anything else than proud of our winnings there. This will practically end our show season, and as soon as these birds return, which they will within a few days, we shall be able to make up our matings headed by numerous and wonderful winners in a large number of the largest shows in the country, certainly making them stronger, better and more valuable than ever before in our history.

It is our purpose to make this the most wonderful and successful season in **EGGS FOR HATCHING** that **OWEN FARMS** ever had.

Our prices and conditions for eggs will be exactly the same as last year, namely, \$1.00 per egg, \$40.00 for 50 and \$75.00 for 100. The conditions concerning the guarantee, the fertility, hatch and all details may be had upon application for our mating list.

In one respect, however, we shall change our methods from last year. For several years we have not sold a whole sitting of eggs from a particular pen. This year, in addition to our method of sale during the last few years, we shall permit you, under certain conditions, to select a particular pen and receive a whole sitting from that pen. In some cases, with a very limited sale from that pen in



# OWEN FARMS

this manner, we shall ask \$3.00 an egg. In other cases we shall ask \$2.00 an egg, and I am positive that when you see our mating list, including the description of the birds contained in the pens from which these eggs will come, you will be positively satisfied that they are the ones you want and that they are bound to give you the results you will anticipate.

As we have been saying to you in this journal from time to time this autumn, we never had so many birds as this year and never so good ones, and as we shall have during the breeding season a goodly number of very high-class reserve breeding males to carry over for

the following year and a large number of sale birds of remarkable value, we have decided to mate up pens of these birds in all of our varieties and furnish eggs from them at \$5.00 per sitting of 15 eggs, or \$30.00 per 100. We have very great confidence in the results that will be obtained from these matings. The blood lines in these birds are just the same as in the higher priced pens. Individuals, while not of course as choice as in the higher priced pens, yet are each and every one remarkably good birds and the chance of getting exceptional birds and remarkable value from these matings is assured.

## Foundation Stock

From the time this advertisement appears right through the breeding season we shall be in far better position to furnish you remarkable birds for strengthening a flock which you now have, or for furnishing you an entire new flock for foundation purposes. We will be only too pleased to go into the matter with you fully, telling you exactly the quality and kind of stock it is desirable and necessary for you to have in order to secure certain results, and you may depend upon it that the results you will secure will be in accordance with what we may lead you to expect.

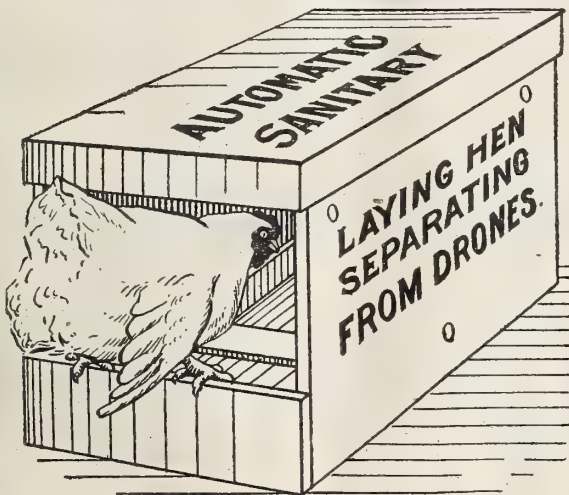
## Our Catalogue

We still have a very large number of our 131-page catalogues on hand, very profusely illustrated, which we are ready to send out upon request. It includes our mating list of last year, so that you can compare and see our pens as put together last year alongside of the pens as mated up this year. It is this study upon the matings year by year that has made the progress and the results of OWEN FARMS possible and wonderful. It is quite an education in itself to compare the matings of one year with the matings of the following year. The catalogue is sent postpaid and entirely free.

**Owen Farms** Wm. Barry Owen, Prop. 107 Wm. St., Vineyard Haven, Mass.  
Maurice F. Delano, Mgr.

**A WONDERFUL INVENTION IT CAN HELP YOU SEE MARTIN'S AD PAGE 21**

### AUTOMATIC SANITARY TRAP NEST



1913

1913

## The Best is the Cheapest

THIS NEST requires none of your time or attention, no waiting for hen to lay or resetting of nest. Operated as well and better by the hens during your absence than if present to disturb them. It saves time, labor and feed by selecting the good layers from the culls and drones. The good layers produce the hatchable eggs and strong, healthy chicks. All leading breeders are using the trap nest. We are sending them everywhere. Made of galvanized sheet metal, are sanitary, vermin-proof and will last a life time. Write for free booklet or agency or both. Address

**Automatic Sanitary Trap Nest Co., Duluth, Minn.**



## ORPINGTONS!

**BUFF, WHITE, BLACK**

Did you see what two of our customers, Jennings and Ballard, did at Memphis? Broke even with Cook and Owen Farms! It is only a repetition of Seattle, Kansas City, Little Rock and scores of other shows.



Our exhibition matings are ready now. We can send you day-old chicks now at \$1 to \$3 each in lots of 12 or more that will surely win for you.

REMEMBER, if you want grand, big, wonderfully colored Orpingtons of superb American type and American combs and backs we can absolutely fix you up in eggs, chicks or breeding stock.

We can and will save you money, and at the same time start you so you can meet the giants of the poultry world on equal terms. Write today for our booklet for 1913. It prices day-old chicks at from 35c to \$3 each, eggs from \$10 per 100 up, but always quality at a sane price. We make prices that leave an honest margin for you.

**CHEVIOT FARMS : ROUTE 2 : CINCINNATI, OHIO**



# Dune Alpin Poultry Farm

## SPECIALTY BREEDERS OF S. C. WHITE LEGHORNS



Make the greatest wins of the season at Grand Central Palace, New York, and Hagerstown, Md. shows. Our complete winnings are as follows:

**Palace, N. Y.:** Cocks, 1, 2, 3, 4, 6, 7; hens, 1, 2, 3, 4, 5, 6; cockerels, 1, 2, 3, 4, 5, 7; pullets, 1, 2, 3, 5, 6, 7; pens, 2, 3, 4. Specials for best shape and color female, best head female, best head and color male. Gold special and silver cup for best display: special for best display, any variety, in show.

**At Hagerstown, Md.:** Cocks, 1, 4; hens, 1; cockerels, 2, 3, 5; pullets, 1, 2, 3; pens, old, 1; pens, young, 1; specials for best Leghorn, any variety, and cup for best bird in the Mediterranean classes.

These two wonderful wins, combined with our victories at Palace, New York, Boston and Philadelphia in 1910 and 1911 of twenty-two firsts, thirteen seconds, seventeen thirds, ten fourths, nine fifths, eighteen silver cups and two championship medals, surely proves that we have the best in our variety.

**We have hundreds of cockerels and females for sale, bred from our very best stock, at very reasonable prices.** We have sold all White Orpington stock to Mr. S. R. Clark, Harmony Park, Scotch Plains, N. J. and hereafter will breed S. C. W. Leghorns exclusively. Send for catalog.

### Dune Alpin Poultry Farm

Geo. J. Kerr, Mgr. Box 651, East Hampton, N. Y.



## THE 1912 REVISED EDITION OF THE AMERICAN STANDARD OF PERFECTION

The only American authority on the required characteristics of all breeds and varieties of chickens, ducks, turkeys and geese. You cannot raise, mate, exhibit or sell fowls intelligently without it.

**This Great Book** was revised this year (1912) and gives the correct Standard shape, color and weight of every recognized variety of chickens, ducks, turkeys and geese, as well as the disqualifications of each variety. The book contains 332 pages of descriptive matter and ideal illustrations of the different varieties of fowls, photographed from living models. Also

### Five Full-Page Illustrations of Feathers in Natural Colors

to guide the breeder in getting the correct color of plumage on his birds. No one can breed birds of any variety for exhibition without a copy of the American Standard of Perfection as a guide, and it is the only book of its kind published in this country. It is authorized, copyrighted and published by the American Poultry Association. Price postpaid, cloth, \$2; leather, \$2.50.

### OUR SPECIAL MONEY-SAVING OFFER

The Standard (cloth) and American Poultry Journal one year ..... \$2.50  
If you want leather binding add 50c to this price. Canadian subscribers add 25 cents per year for postage; foreign 50 cents

American Poultry Journal Pub. Co., 542 So. Dearborn St., Chicago, Ill.



# Moe's Useful Poultry Inventions

## MOE'S SANITARY POULTRY DRINKING FOUNTAIN



Dead air space between cover and reservoir keeps water cool in summer and from freezing in winter. The nearest thing to a non-freezing fountain that can be constructed without the use of artificial heat. Easily cleaned as an ordinary pail. Sanitary and humane. Manufactured in three sizes: One, two and four gallon capacity.

REPLACE COVER AND YOU HAVE A CONTINUOUS SUPPLY OF PURE WATER



## MOE'S RAT DESTROYER

REMOVE COVER TO BAIT



Insures the safety of your fowls while poisoning the rats in your poultry yard. A simple and much needed device for administering poison safely. A boon to every poultry raiser. One package of Rat Corn free with each destroyer. Manufactured in one size only; 14 inches in diameter.

NONE BUT RODENTS CAN REACH POISON



## MOE'S SANITARY BROODER FOUNTAIN

TURN OVER AND REMOVE BOTTOM TO FILL



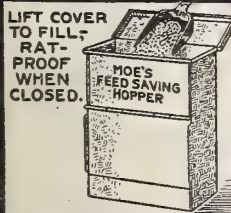
Little chicks can't get wet. Sits in the corner of brooder. Takes up little room. Can't be upset. If desired can be hung up by hook which is on top of each fountain. Manufactured in two sizes: One qt. and one gal. cap.

REPLACE BOTTOM TURN UPRIGHT. READY FOR USE



## MOE'S FEED SAVING HOPPER

LIFT COVER TO FILL. RAT-PROOF WHEN CLOSED.



Cuts down your feed bill; improves the quality of your birds. Hopper feeding with well selected mixture is one of the best known winter egg producers. Feed cannot clog on account of simplicity of construction. Manufactured in one size only, adapted to feeding fifty fowls.

WHEN FILLED, FOWLS CAN NOT HOOK FEED OUT AND WASTE IT.



## Moe's Poultry Remedies

ONCE TRIED, ALWAYS USED

Moe's Cholera Cure (Powder)  
Moe's Microzone  
Moe's White Diarrhoea Remedy

Moe's Lice Powder  
Moe's Roup Powders  
Rat Corn

Put up in attractive sizes at lowest market rates. Satisfaction guaranteed. If not at your dealer's, any of the above sent on approval direct by express prepaid. Special prices made on quantities.

Otis & Moe, 2011 Otis Building, Chicago, Illinois  
See Our Display at the Coming New York, Pittsburg and San Antonio Poultry Shows

## GRANNIS Bros.

Breeding and Exhibition Stock

Baby Chicks and Eggs



Buff and White Orpingtons

White Wyandottes

S. C. and R. C. Rhode Island Reds

White Leghorns

Buff Leghorns

Indian Runner Ducks

At eight shows—Rochester, N. Y., Poughkeepsie, N. Y., Brockton, Mass., Augusta, Ga., Yonkers, N. Y., we won

260 Prizes

For the breeding season of 1913 we have mated up 75 pens of grand quality, and in addition colony pens aggregating nearly 1000 splendid breeders. Over 2500 birds were available for selection, a number amply sufficient to insure a very high average of quality.

At LaGrangeville, N. Y. we have our 160-acre Farm which is admirably adapted for a great poultry producing plant. At Bryn Mawr Park, Yonkers, N. Y., is our Metropolitan Branch Plant where we shall have several of our choicest breeding pens of each variety; and shall also have on hand and for sale stock of the finest quality. Bryn Mawr Park station is only 10 miles from New York City.

All our stock has been raised on free range, which in our case means fields, woods and orchards.

Special Prices on Fine Breeding Stock

Cocks, \$5.00 and up; Hens, \$3.50 and up; Cockerels, \$5.00 and up; Pullets, \$3.50 and up.

Prices on exhibition stock quoted on request.

The chick crop of 1912 was much below the average, consequently the demand for baby chicks, eggs and stock is sure to be unusually large the coming season. We therefore recommend early placing of orders. By ordering now and making a small deposit customers may insure for themselves shipment on date selected by them.

All our baby chicks are hatched in Hall Hot Water Incubators and are equal in every respect to hen hatched chicks.

Mating list, with prices of eggs, baby chicks and stock, now ready. Send for a copy.

GRANNIS BROS.

Route 12, Bryn Mawr Park, YONKERS, N. Y.

HERMAN W. GRANNIS, General Manager.



**WE PAY \$80 A MONTH SALARY**  
and furnish rig and all expenses to introduce our  
guaranteed poultry and stock powders. Address  
**BIGLER COMPANY, X309, SPRINGFIELD, ILLINOIS**

**Smith Sealed.**  
Prices postpaid  
-12,30c; 25,50c;  
60, 81,00; 100,  
81,50; 500,  
86,50; 1000, \$12.50.

**LEG BANDS**

**Leader Adjustable.** Prices  
postpaid 12,15c;  
25, 50c; 50, 40c;  
100, 65c; 250, \$1.50;  
500, \$2.75; 1000, \$5.25.

**SAMPLES FREE**

Write postal or order  
now. Satisfaction  
guaranteed. Address  
**THE KEYES-DAVIS  
CO., Inc., Dept. 502  
Battle Creek, Michigan**



**Gigantic Tomato SEEDS FREE**

Here is the king of all Tomatoes, largest and most productive, fruit often weighing 3 to 5 lbs. each, and 100 to 150 lbs. have been grown on one plant, very smooth, few seeds, solid all through, ripens early, being a handsome red color. A few plants will produce more Tomatoes than any family can use.

**OUR SPECIAL OFFER**

We want every person who uses seeds to see our 1913 Seed Book and try this Gigantic Tomato and we will send a sample packet for trial, with Seed Book Free. This book is full of new Vegetables, Fruits and Flowers.

Send your address plainly written on Postal today.  
**Fairview Seed Farms, Lock Box 122, Syracuse, N. Y.**

**WE PAY FREIGHT**

Write Postal For  
**BROWN'S**  
Bargain Book of  
**FENCES**

**LET US**

prove big saving to you on highest quality Poultry and Garden Fencing ever made. Genuine Basic Open Hearth Wire. Heavily Double galvanized by the Brown Special Process, and held together by a tie that can't slip. Brown's Fence doesn't rust or break—it doesn't sag or bag. It is always neat and trim. And our prices are even lower than others ask for cheap, flimsy netting. Get our book and see for yourself.

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Test in any way you like. Brown's Poultry Fence has top wires No. 9 1/2 gauge—intermediate wires in same big proportion. Bottom wires spaced only one inch apart—absolutely chicken tight—rabbit proof. Only one-half the posts needed—no top or bottom railing necessary. Why pay more for other fence that can't compare with Brown Quality?

Save Big Money By Writing Postal NOW!

You'll be glad you wrote. You'll be surprised at Brown High Quality and low prices. We sell only direct from factory, freight prepaid anywhere, satisfaction absolutely guaranteed. Don't buy a rod of any kind of fence till you read Brown's book. Write postal now!

Brown's Fence Bargain Book FREE

**The Brown Fence & Wire Co.**  
Dept. 3 Cleveland, Ohio

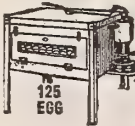
**DIRECT FROM FACTORY**



\$10


**BUYS NATIONAL INCUBATOR AND BROODER**

**\$8.00 Incubator and \$4.00 Brooder for \$10. Don't pay more.**



125 EGG

Strong, fireproof, metal case; Automatic heat regulator; Hot water heating system; High, roomy nursery; Cold-rolled copper hot water tank; Reliable non-breakable lamp; Incubator every part quickly reachable. Order both incubator and brooder direct from Alone this advertisement. We guarantee satisfaction or you get all your money back quick. Brand new poultry book free. Order Now. Freight prepaid.



125 Chick Brooder Alone \$4.00

**THE NATIONAL INCUBATOR CO., 1273 19th St., Racine, Wis.**

## OAKLANDS POULTRY FARM

### S. G. W. LEGHORNS, S. G. R. I. REDS, SIL. PENCILLED ROCKS

Steady prize winners at all shows. A large stock of cockerels, pullets and hens. Day-old chicks after February 1st. Address

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## OAKLANDS POULTRY FARM

### R. F. D. 4 - TRENTON JUNCTION, N. J.



\$200 FROM ONE-FIFTH ACRE

That's what one man made on strawberries on HOME GROUNDS in SPARE TIME. Strawberry growing is a pleasant and profitable occupation—EVERY home should have a strawberry bed.

**Allen's 50 Page Illustrated Strawberry Book** will tell YOU how to make money with strawberries and small fruits. Full information on varieties and how to grow them. Every farmer, gardener and home owner should have a copy. FREE on request. Write TODAY.

Allen's true-to-name plants have been the BEST for over 27 years. Guaranteed fresh and vigorous. Buy YOUR plants from Allen, the largest grower in the country. 200 acres in berries small fruits, shrubs, decorative plants, asparagus.

**Write for Allen's Book Today**  
**W. F. ALLEN, 106 Market St., Salisbury, Md.**

## SINGLE COMB WHITE LEGHORNS

PURE STRAIN
VIGOROUS
HEAVY LAYING

The White Leghorn stock of the Michigan Poultry Farm has been carefully and consistently bred to bring out those qualities of purity, vigor and fertility for which it is justly famous throughout the country. Poultrymen and farmers desiring the highest type of Leghorn stock should purchase it from Michigan Poultry Farm—a poultry plant whose most valuable asset is its thousands of satisfied customers.

DAY OLD CHICKS
BREEDING STOCK

Chicks and breeders from Michigan Farm are finest specimens of the highest type. They are bred, fed and housed on the most modern approved methods. Their vigor and vitality are carefully preserved. They are rigorously culled. Finally, they are shipped right—reaching the customer in the best possible condition. If you want the Best in Leghorns, buy from Michigan Farm.

Send for Our Catalog—It Saves You Money

Because it will show you how and where to get the best stock. It will also give you some valuable hints on keeping poultry. Send for a copy today—it is worth while.

WE DO CUSTOM HATCHING—THE RIGHT WAY

Write for prices and particulars of our Custom Hatching Service.

Michigan Poultry Farm
Lansing, Michigan





# AMERICAN POULTRY JOURNAL YEAR BOOK FOR 1913

**Being a Comprehensive and Authenatic Review of the Poultry Industry for the Year 1912—All Thoroughly and Carefully Indexed for Instant Reference. Including a Practical Encyclopaedia on Poultry Culture.**

## PUBLISHERS' ANNOUNCEMENT.

With the event of a billion dollar poultry industry in the United States, the publishers of the American Poultry Journal think it about time that a reliable and authentic Year Book or Annual should be published in this country. Many smaller industries—some of them many times smaller—have one or more Year Books published in their interests and these industries liberally support and encourage their publication and sale, as it has been found that the circulation of such books tends to create new interest and promotes its advancement before the general public.

It is the intention of the publishers to issue a Year Book annually for the great and growing poultry industry of this country, and we feel confident that it will be well received, as it will fill a real need that should have been attended to many years ago, and the entire editorial staff of the American Poultry Journal will devote its best efforts to make it worthy of a place in every poultryman's library. With such an organization of experts behind it—with the equipment in materials, statistics, trained clerical force, books, artists, practical and expert writers—must, in the very nature of things, produce a book that will fully and truthfully represent our great billion dollar industry.

## SOME PROPOSED FEATURES.

**OUR CONTRIBUTING EDITORS.**—The entire editorial staff—conceded to be the best staff of poultry editors connected with any poultry paper—will lend a helping hand in the completion of the Year Book, and it goes without saying that such a brilliant aggregation of poultry experts will produce a Year Book of inestimable value.

**THE POULTRYMAN'S ENCYCLOPEDIA.**—Will be composed of about 300 questions and answers, with complete definitions of all the technical words and terms used in the poultry industry. Edited by Dr. Prince T. Woods, with the assistance of the entire editorial staff. This feature will be a great help to the amateur and professional breeder.

**FEEDING FORMULAS.**—All the new and best feeding formulas that appeared in 1912 will be published. This feature will cover the entire subject of feeding poultry for all purposes including winter egg production, feeding for the show room, for the market, young chicks, crate feeding, cramming, etc., by the best experts in this country and Europe.

**DIRECTORY OF EXPERIMENTAL STATIONS.**—Will contain a complete list of all the poultry experimental stations of this country with names of managers, who supports them and what they accomplished during 1912, and interesting and instructive articles by their managers will be in the great American Poultry Journal Year Book for 1913.

**POULTRYMAN'S CALENDAR.**—What to do each month in the poultry yard, conducted by Mr. Prince T. Woods, managing editor of the American Poultry Journal. This will be a thorough and practical treatise on raising chickens and will tell in plain words just what to do each month of the year. This one feature, compiled and edited by the best practical expert in this country, will be invaluable to both the amateur and old-time breeder.

**SPECIALTY CLUB DIRECTORY.**—Will be a complete directory of all the specialty clubs in America, all arranged under the different breeds and will contain the names and addresses of the officers, number of members, initiation fee and annual dues; special prizes given and where in 1912.

**POULTRY SHOW DIRECTORY.**—Will be one of the most valuable features of the book to the fancier, as all poultry shows held during the season of 1911-1912 having 2,000 or more entries will be reported in full. First, second and third prizes won, with names of winner, judges making the awards, number of entries in class, date and where show was held; name and address of secretary, entry fees for different classes, date of next show, and all arranged and indexed for

ready and instant reference. All shows having 1,000 to 2,000 entries during 1911-1912 will be reported as follows: Winners of first prizes, name of judges making the awards, date of show and place where held, number of entries in each class, date of next show, entry fees for different classes, whether exhibition coops are provided by the show management or must be provided by the exhibitor, name and address of secretary. All shows having less than 1,000 entries will be reported as follows: Total number of entries, date and where held, entry fees, who furnishes the exhibition coops, name and address of secretary, date of next show.

**SPECIAL ARTICLES.**—Many special articles will be published, written by the best experts in this country and Europe, such as the newest ideas on poultry house construction, how to prepare birds for the show room, the double mating system, single mating system, how to line breed, how to operate incubators and brooders, fattening and preparation of fowls for the market, how to operate back yard poultry plants, how to operate large commercial poultry plants, how to advertise fancy and market poultry, how to produce eggs throughout the year, and many others too numerous to mention.

**POULTRY JUDGES' DIRECTORY.**—A complete directory of all licensed and unlicensed poultry judges of this country, with postal address—breeds they are specialists in judging, poultry papers they are associated with, leading shows they have judged, and other information regarding them will be given in full.

**HANDSOMELY ILLUSTRATED.**—The publishers of the Year Book will endeavor to make it the handsomest and most artistically illustrated poultry book ever published. Many full page four-color illustrations and full page one-color plates will be used. It will also be profusely illustrated with smaller cuts showing all kinds of poultry appliances and diagrams of different articles described in the text. No expense or pains will be spared to make this feature the best of any book ever published.

**THOROUGHLY INDEXED.**—One of the most valuable features of the Year Book will be the thorough manner in which it will be indexed under main and sub-titles, and sometimes cross indexed. This feature will make it a ready reference library of all the important events in poultrydom that transpired during the year 1912. This feature will also possess a historical value that cannot be estimated at the present time. Suppose that ten or twenty years from now you wished to find out what were the total number of birds on exhibition at the Madison Square, or any other show, held during 1912, and who were the winners and judges, or what a certain egg laying contest did, or what was the best treatment for any certain poultry disease, or what the experimental stations were doing in 1912, or wanted some statistical information on any subject relating to the poultry industry in 1912, you would just go to your library and get the American Poultry Journal Year Book for 1913, would turn to the index on any of these subjects and the information would be right in your hand. And remember it is the intention of the publishers to issue a similar Year Book each year. It is unnecessary to say that such a historical record of each succeeding year will be worth preserving for the generations yet to come.

**PRINTING AND BINDING.**—The book will be published in the convenient size of 5½x8 inches and will be printed on high grade book paper suitable for printing fine halftone illustrations in the best manner possible. The cover will be an artistic and original design, and the binding will be linen thread sewed to make it flat opening. There will be nothing cheap or trashy about the book, as it is the intention of the publishers to make it a representative of the best present day standard of artistic printing and worthy to be handed down to posterity as an example of what the best printer could produce in the year of 1912-1913.

**The American Poultry Journal Year Book will contain between 400 and 500 pages and the prices will be \$1 for handsome cloth bound de luxe edition, and 50c for paper cover edition.**

## Special Combination Offer

Paper Bound Edition of the "Year Book," and a full year's subscription to American Poultry Journal for only \$1.25, or CLOTH BOUND EDITION and one full year's subscription for only \$1.50. For Canadian subscriptions add 25 cents a year for postage; foreign subscriptions add 50 cents.

**American Poultry Journal, 542 So. Dearborn St., Chicago, Ill.**



## Greider's Fine Catalogue



and calendar of fine, pure-bred poultry for 1913. This book contains many pages of poultry facts. 70 different varieties, some shown in natural colors, all illustrated and described. Tells how to make hens lay, raise and care for them, all about the Famous Greider Incubators and Brooders. Shows photo of the largest poultry farm in Penna. Prices of breeding stock and eggs for hatching, and supplies within reach of all. A perfect guide to all poultry raisers. Send 10c for this noted book on poultry.

**B. H. GREIDER, Box 101, Rheems, Pa.**



### WHAT HENS NEED

Hens need lime and grit to make them lay more and be healthy. **CRY-CO** petrified shell containing 99% PURE CARBONATE OF LIME 1% HARD SHARP SILICATE GRIT, will make your hens lay and increase your egg profits. More eggs, healthier hens, harder shells, finer chicks and quicker results in feeding **CRY-CO**. Ask your dealer. Look for the trade-mark. Valuable booklet free.

**W. A. NEUSITZ & CO., St. Louis, Mo.**

## FREE SEEDS



**FRENCH RADISH**  
Very early, crisp and tender.



**Dwarf Giant Tomato**  
Extra Early

### FOR TESTING

**Dwarf Giant Tomato.** Grows two ft. high produces enormous size Tomatoes. They weigh one or two pounds each; color crimson: a wonderful bearing plant. We will send a trial package of each to any one who writes, also our new 1913 Seed Catalog included (4 colors)—all FREE. Write Today.  
**Smith Bros. Seed Co., Box 22, Auburn, N. Y.**

## HUMPHREYZE YOUR HENS

I keep hens because I enjoy them and because I want fresh eggs.

What is more, I get them. All winter my small flock will average 40 to 50 eggs a day, and I have gathered 58, and I am not a professional poultryman. I usually keep about 70 hens. Around me my neighbors were not getting any. That is, they did not until I told them how. Now they get as many as I do. They say I Humphreyize their hens, and I have adopted that word for my own.

I will tell you how to Humphreyize your hens, so you can get eggs right through the winter months. If you have no more than 10 hens, it will pay you to Humphreyize them. It costs you nothing to find out how, and I will give you a

It makes no difference what breed you have. Some breeds are better winter layers than others, but any breed can be Humphreyized and made to lay in winter. The increased egg crop will, in a short time, more than pay the cost, while the feed bill will actually be about half what it now costs you when, perhaps, you get no eggs.

A piece of fresh bone which you can get at your butcher's for nothing, or a few cents at the most, is a part of Humphreyizing, but if you will

### Send for my book "The Golden Egg"

which is free—you will get the whole thing. I tell you how to care for your flocks month by month, what to do in case of sickness—in fact, my book is an easily understood guide. With it you can make your hens lay, and give vigor and strength to the whole flock. Send for a copy to-day and begin to Humphreyize.

**HUMPHREY**  
**White St. Factory Joliet, Ill.**



**30 Days' Free Trial**

## Double Your Profits

Fill your poultry yards with trees and bush fruits and reap a double harvest. The poultry thrive on the insects and revel in the shade. The fruit produces better and surer crops. \$300 per acre is an average return from fruit. Begin planting this spring.



### "Scarff's Fruit Catalog"

Offers special inducements. A reputation of over 25 years is back of every order. Our list is complete, fully describing the products of our 1100 acre Nursery and Seed Farms. Send for our free orchard tree catalog. Also describes our small fruit and farm seeds. Write today. It's free. Send the names and addresses of 5 Fruit Growers and get a fine current bush free.

**W. N. SCARFF, Box B, New Carlisle, Ohio**

## Natural Hen Incubator

Approved by Over 550,000 Buyers

### 200-Egg Size, Only \$3



**J. F. Siems**  
Patentee

**BIGGER Hatch—Healthier Chicks. Stop—Think!** Why pay a big price for an incubator when Siems **Natural Hen Incubator** will give you a higher percentage of good, strong, healthy chicks at one fourth the cost. Write at once for full facts—don't take any incubator until you learn all about Siems way of using the natural hen—the only thoroughly successful incubator.

### A Very Simple System

The Natural Hen Incubator is no experiment. It has been tested by over half a million people. There are no lamps, no oil, no deadly fumes and no costly mistakes. **No freight to pay.** Eggs stay in healthy, sanitary condition during entire hatch. Different from any other incubator. Has all advantages of old fashioned, setting hen and gives greater percentage of saved, healthy chicks than in artificially heated incubator. **A. A. Linnett, Kan.** writes: "I have just set my N. H. Incubator for the third time. First hatch, 99 chicks from 102 eggs; second, 97 chicks from 104 eggs." Thousands of other voluntary testimonials. More agents wanted. Write today for **FREE Catalog** telling all about it and containing special introductory offer.

**NATURAL HEN INCUBATOR CO., Sta. H., Dept. 4, Los Angeles, Cal.**



## Guaranteed garden tools

You are sure of saved time, lighter work, and bigger crops when you use implements marked

## Planet Jr

Nearly two million soil-tillers all over the world are using them. Fully guaranteed.

**No. 25 Planet Jr Combined Hill and Drill Seeder, Double Wheel Hoe, Cultivator, and Plow,** has automatic feed-stopper, seed index, and complete cultivating attachments. **Indestructible steel frame.**

**No. 16 Planet Jr Single Wheel Hoe, Cultivator, Rake, and Plow** is light, handy, and adapted to almost every garden use. Has leaf guard for close work, and lasting steel frame.

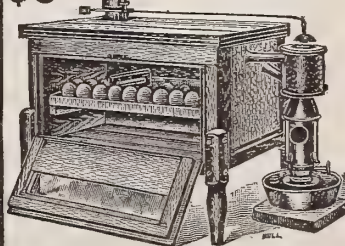
**FREE!** An instructive 64-page illustrated catalogue describes 55 tools for all kinds of horse and hand cultivation. Send postal for it today!

**S L Allen & Co Box 1107T Phila Pa**



## PETALUMA INCUBATORS AND Brooders

**\$8.50** 63 EGGS WE PAY FREIGHT



are used more extensively throughout the world than any others, hatching Hen, Duck, Turkey, Goose, Ostrich, Alligator, and all other kinds of eggs.

**CALIFORNIA REDWOOD**, the best for Incubators, is used. We are close to the great Redwood Forests and get the best. You want the most reliable incubators and brooders. Then learn about the Petaluma before buying.

Persons ordering "Day old Chicks" from the hatcheries are specifying "these chicks must be hatched in Petaluma Incubators." That tells its own story.

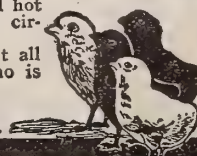
**EGG CITY INCUBATORS** are the best and cheapest hot water incubators in the world. Model 63 eggs for \$8.50 and We

Pay Freight, is the greatest bargain ever offered in a small hot water incubator. Order right now or at least send for a circular, because you ought to know all about it.

Finest Catalogue ever printed, **FREE.** Booklet, "How it all came about," mailed free. It will interest you. Tells who is the oldest maker of Incubators.

**PETALUMA INCUBATOR COMPANY**

Box 362 Indianapolis, Ind. Box 305 Petaluma, Calif.



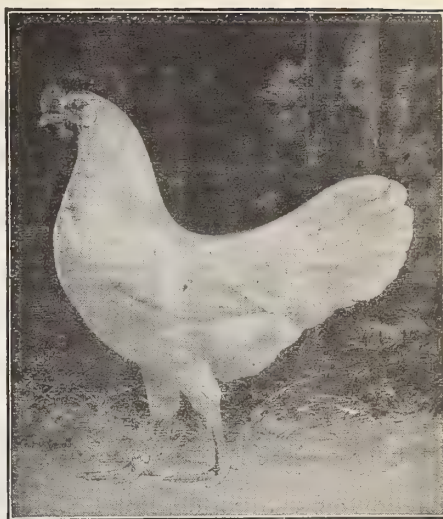




# Laying Instinct Bred in the Bone

Ferris Improved White  
Leghorns will lay two  
dozen Eggs a year more  
than any other fowl

Because they have been



## Bred-to-Lay for Twelve Years

Twelve years ago we became dissatisfied with the best White Leghorns we could find anywhere in the country at that time. They lacked stamina, strength, vigor. No successful effort had ever been made to breed them up to quality.

Our first thought after securing the best stock we could buy was to increase the size and vigor of the birds to give a foundation that would permit greatly increased egg production. Our aim from the beginning has been to build a strain that would lay more eggs than the very best of any other breed or strain and yet win anywhere in strongest competition.

It has taken us years of patient effort to get these good qualities as well developed as we have them today. During that time not a poor layer has been allowed in our breeding pens and every year as our experience increased we were able to select our best layers with more certainty and mate them with greater skill. Every year has seen an increase in our average egg yield, until now it is easy to get an average yield of more than 175 eggs a year from a flock of Ferris Leghorns.

### Ferris Selling Plan

We go farther than it has ever been considered possible to go in satisfying customers, not only in quality of stock we furnish in the first place, but in the responsibility we assume of seeing that the birds you buy remain in good condition until they become accustomed to change of climate and to different methods of feeding and caring for them. You can't buy birds elsewhere and exchange them any time within 30 days if they become sick or don't breed properly, or are unsatisfactory for any reason whatever. No one else will replace without question every bird that dies within thirty days.

### Winners for Any Show

We have been winning for years at the largest shows—Louisville, St. Louis, Toledo, Detroit, Pittsburgh, Grand Rapids, and the Michigan, Indiana, Iowa and Tennessee State Fairs—and can furnish winners for any show no matter how strong the competition.

Tell me where you want to exhibit and let me quote you prices. We have 5,000 fowls this year raised from 20 exhibition matings and the birds in these matings were all the same type as the cockerel and pullet shown in this ad, having the style and typical shape of Ferris White Leghorns; with good combs, and low, well-spread tails, pure white plumage and rich yellow legs and beaks, and bred to lay.

Prices are very reasonable. We have choice foundation and exhibition stock at \$7.50, \$10, \$15, \$20 and \$25 for males and \$4, \$5, \$7.50, \$10 and \$12.50 for pullets and yearling hens.

We take great pains to fill every order with exactly as great care as if our customer was right here to pick out the birds himself. If you explain the good points you are most particular about and the bad points you wish to avoid, it makes no difference how many hundred miles are between us, we can select stock that will exactly suit your requirements, provided you do not expect a better bird than it is possible to furnish for the price you pay. The quality of every grade of stock described in the catalog is the best that can possibly be furnished for the price named. We endeavor to give every customer an absolutely square deal, and if you have had experience with White Leghorns so that you know the value of a bird, you will appreciate the fact that the birds we send are from 50 to 100 per cent better than most other breeders send for the same prices.

### Eggs and Day-Old Chicks

We are now booking orders for eggs and day-old chicks for spring delivery. We have never been in better shape to fill orders of any size. Thousands of fine hens in our utility matings and our 25 exhibition matings of remarkable

quality will make it possible for us to ship promptly and quote prices that are very reasonable. All infertile eggs replaced free; safe arrival of chicks guaranteed any distance.

### Our Guarantee on Eggs

Our guarantee on eggs is as fair as our guarantee on stock. We endeavor to protect our customers and want you to be perfectly satisfied. When you do not get satisfactory results tell us and we will do everything possible to make it right.

**We Replace all Infertile Eggs Free of Charge.** Test the eggs after they have been under incubation a week or ten days, and let us know the result. We know, from the way the eggs are testing in our own incubators, it is well to be careful that you do not get eggs from late hatched stock that is not mature, for eggs from immature Leghorns are as worthless as eggs from an immature bird of any other breed. If you want eggs from yearling hens we can furnish them, for over half the birds in our breeding pens are yearling hens.

### Can Ship Anywhere

We can ship eggs safely anywhere in the United States, Canada or Mexico, and will guarantee fertility. We ship no eggs more than three or four days old, and nearly all eggs are shipped the next day after they are laid, for during the regular hatching season we usually have orders booked a week or more ahead and we make shipments every day.

### Eggs for Hatching

There is a great difference in eggs for hatching and if you want good results you must be particular to get eggs from stock that has been handled properly. It is very easy for a careless breeder to so handle his stock that the eggs will not hatch well nor even produce strong chicks when they do hatch. Lack of exercise, improper feed, overcrowding and neglect of any of several other important details will decidedly affect the results that can be secured from the eggs.

### Breeding Stock Must Be Handled Properly

The breeding stock must be handled properly from the time they are hatched so that they will be strong and vigorous when the breeding season comes. Neglect at any time in their lives will affect their vitality and their breeding and laying qualities. Selected eggs from stock that has always had proper attention are worth considerably more than ordinary eggs, because you can be sure that the stock you raise from them will give entire satisfaction.

### Large Even Shaped Eggs

Eggs from all our pens, utility and exhibition, are carefully selected. They are large,

smooth, even shaped—the kind that are nearly always fertile and sure to hatch strong chicks. Small eggs—those weighing less than 25 ounces to the dozen—are never sold or used for hatching, and the average will be from 26 to 28 ounces. Eggs with rough or uneven shells do not look well and seldom hatch well, so we discard them. We do not sell eggs that are poor in color. A Leghorn egg should have a white shell, and we do not breed from hens that lay any other kind.

### Day Old Chicks

It is usually better and cheaper to start with chicks than with eggs, because chicks cost only twice as much as eggs and the average hatch from eggs is only about 60%, except in the hands of poultrymen who have had considerable experience and know just how to get the best results. The saving in express charges is also worth considering, as the charges on 100 chicks will be only one-third as much as on the number of eggs required to hatch that many chicks. We can generally ship chicks as promptly as eggs, so there is a difference of three weeks in favor of the chicks—three weeks difference in the time the pullets will begin to lay.

### Distance We Can Ship

Chicks can be shipped 1500 miles with safety, and in some instances where there is fast train service as high as 2,000 miles. We guarantee safe arrival at any express office within 1500 miles from Grand Rapids—a radius that includes two-thirds of the United States and Canada.

Our loss in shipping has averaged less than 2% during the past four years, and our customers have had good success raising the chicks, which proves that the stock is hardy and vigorous and that the chicks have not been injured in the least by shipping. In fact, it is much safer to order chicks than eggs because chicks are nearly always handled more carefully than eggs.

### New Catalog Ready for You

Our new catalog of over 60 pages is the finest catalog ever issued by any Leghorn breeder and is sent absolutely free of charge. It gives you the benefit of our 12 years' experience with White Leghorns, and contains information every poultryman should have.

Tells all about the methods that have made Ferris Improved White Leghorns so profitable and describes every grade of stock we have to sell. Fully describes our bred-to-lay matings and our exhibition matings and gives prices of eggs and chicks. Send a post card now while you have the matter in mind and get the copy we have reserved for you. Address

**GEORGE B. FERRIS** The Ferris Leghorn Farm 905 Union Av., Grand Rapids, Mich.



# DON'T KILL THE LAYING HEN



**T**HE HEN that lays is the hen that pays. Hundreds of thousands of hens are killed each year that are in full laying condition, while an equal number are kept in the flock that never have or never will lay an egg, or at best will lay only a very limited number. All this may be avoided if everybody would use the Potter System of telling the layers from the non-layers.

## Cull Out the Drones and Save on Feed

Why should the poultry breeder go on wasting feed by feeding a lot of hens that do not produce enough eggs in an entire year to pay for their feed for one week, when it can be avoided by learning the Potter method of telling to an absolute certainty just which hens are the producers and which are the drones in the flock?

If you know the Potter System you can reduce the size of your flock and save money on your feed bill, and at the same time secure just as many eggs at from one-third to one-half the cost. **Is not this worth considering?**

The Potter System is the only reliable system on this subject, and anyone can learn it in an hour's time, and we guarantee that anyone with a little practice can go among a flock of fowls and pick out the layers as rapidly as the birds can be handled. We have thousands of unsolicited testimonials from people who have purchased our book "Don't Kill the Laying Hen" and learned how to pick the layers and who consider the book worth many times the cost. Read what a few of them have to say:

## TESTIMONIALS

3095 W. 100th, Cleveland, Ohio.

Gentlemen:—Having received one of your books regarding the laying hen, I am pleased to say that it has done a great deal for me and would not part with it for many times what it cost if another could not be had. Yours truly, JOHN VAN SCHOAR.

304 Grand Allee, Quebec, Canada.

Gentlemen:—I received your book "Don't Kill the Laying Hen" some time ago. I am very much pleased with it and think it the best book I have ever read and would not be without it for any amount you would ask for it, and think every person that keeps fowls should have a copy. Yours truly, ED. ARCHER.

Wellsville, N. Y.

Gentlemen:—I received your book on "Don't Kill the Laying Hen." Will say that it is all you claim it to be and that it is no fraud. I went out to the hen house last night and tried the test. It worked to perfection. I predicted that a few hens would lay the next day, and sure enough some of them have laid. Very truly yours, WM. H. LEO.

Jutland, N. J.

Gentlemen:—Yours at hand and am glad that you have notified me of your new book of the system of selecting laying hens. Your old book has saved me many a dollar on feed bill, besides giving me more room for the layers. I would not be without this book for any money and am glad you have added more to it. Yours truly, M. V. TAYLOR.

977 Wilcox Ave., Chicago, Ill.

Gentlemen:—I must say your book "Don't Kill the Laying Hen" is valuable to any poultry keeper; it is worth its weight in gold and your system reliable in every way. I am more than pleased with it. I have told some of my friends about the system and they got the book and are pleased with it. Yours truly, JOHN MOYER.

Box 105, R. R. No. 1, Charlestown, Ind.

Gentlemen:—I am ashamed that I have allowed almost two years to pass without writing you how thoroughly I endorse and value your book "Don't Kill the Laying Hen." The only thing I don't like is I can't tell my poultry friends all it has taught me. I would not be without it for many times its cost. We frequently ship fifty or sixty hens and get as many eggs as before, showing we had not shipped laying hens. It saves me a trip to the poultry house at night to know which are broody hens. At feeding time I examine all hens on the nest and shut up the broody hens. Yours very truly, MRS. B. R. MCCONNELL.

Deer Creek, Okla.

Gentlemen:—Your letter and circulars to hand and contents noted. Yes, the best I can do is to have the new book "Don't Kill Biddie." It has made me one hundred and ninety dollars and still making more, and only a few chickens, from 70 down to 44 now. I'm running two machines and selling enough to support me and living like Queen Victoria. Yours truly, G. W. NORMAC.

Tucson, Ariz.

Gentlemen:—Your book in regard to the laying hen received. It is well worth the price. Anyone owning a small flock of chickens ought to have one. Yours truly, J. A. GORDON.

614 Boos St., Harrisburg, Pa.

Gentlemen:—I received your book on "Don't Kill the Laying Hen" and must say it is all it is claimed to be and more. Yours truly, GEORGE J. GRIFFEE.

Lincoln, Kansas.

Gentlemen:—Your book "Don't Kill the Laying Hen" is just the thing for a poultryman. I don't see how I got along without it. I would not part with the knowledge gained from it. Yours truly, MRS. IDA MEIER.



# THE FOURTEENTH EDITION OF THE GREAT POTTER BOOK

is just off the press. Revised and improved to such an extent that it is now without question the **greatest book** of its kind ever published. This book contains 96 pages, (6½x9 inches) and 38 illustrations; printed on super-calendered paper, bound in two kinds of binding—paper and cloth. Will make a very valuable addition to any poultryman's library. In fact, no one who raises poultry, no matter how many or how few, can afford to be without a copy of this great book. The secret this book contains is worth many dollars to anyone.

More than 100,000 copies of this book have been sold during the past few years, which in itself is conclusive evidence of the value of this book. When ordering a copy of this book you must promise not to reveal the secret to anyone except the immediate members of your family. The secrets it contains cannot be obtained from any other source. Everyone who receives this book is pledged not to reveal them to others. Therefore, it is to your interest to obtain a copy of this book at once and become a member of Potter's great "secret" family, stop killing the laying hen, thereby greatly increasing your poultry profits.

The Potter System of telling the laying hen has stood the test of time. It has been advertised in these columns for the past eight years, and during that time thousands of copies of the book have been sold and thousands of poultrymen all over the country have been enabled to turn loss into profit and thousands more can do the same thing if they will take advantage of the following offer:

## How to Get the Great Potter System

Realizing the great importance of this system to all poultry breeders the American Poultry Journal Publishing Co. has secured the exclusive right to print and sell this great work, and the benefits to be derived from system will be given to American Poultry Journal subscribers only.

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Including valuable scientific facts regarding molting. A supplement to "Don't Kill the Laying Hen." This supplement gives the story of One Hen that was not bobbed; the story of the first four non-laying bobtailed hens; the other four non-laying bobtails; how hens having red combs are deceiving; forced molting bad business; how the laying season may be extended and many more eggs obtained, or why hens having good laying organs stop laying early in the season, and much other valuable information which is worth far more to the average breeder than the small price we are asking.

If after a careful study and trial of the system you find that we have misrepresented this system in any particular, money will be cheerfully refunded. We have given this system a thorough investigation and know whereof we speak. If you are already a subscriber to A. P. J., we will extend your subscription one year from its present expiration. Send all orders to

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Made in seven colors. Mark your poultry so that you instantly know individual birds, one strain from another, and pullets from hens.  
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The Flower City



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## Hens Need

### Green Bone

Greatest of all egg-making foods. Supply it fresh, get it low priced. Cut it at home with a

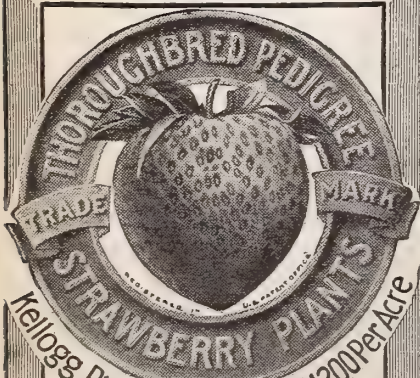
### STANDARD Bone Cutter

(Greatly improved this year)

The cutter that handles bone in all conditions and doesn't break down. The favorite everywhere. It always makes good. Its easy turning, strength and nice work in cutting bones across the grain please every user. Don't buy any cutter until you know the Standard. Send for free book.

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Kellogg Plants Yield \$500 To \$1200 per Acre

## Great Crops of Strawberries and How to Grow Them

IS a beautifully illustrated book of expert strawberry information written by America's most successful strawberry grower. It gives our famous sure-crop method of growing fancy strawberries, and explains how our Pedigree Plants are grown on our great farms in Idaho, Oregon and Michigan. IT IS FREE!

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## The Favorite—LEG BANDS—The Capital



Six sizes

Our bands are strong, durable and made from aluminum; have smooth edges and lock with double clinches, numbered with large **RAISED FIGURES**. Prices: 12 for 15c; 25 for 25c; 50 for 40c; 100 for 65c. Always state which kind are wanted and what variety they are for.

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## How to Grow Fruit FREE

Write today for our book—more than a catalogue. Tells what to plant in your locality. How to plant, how to trim, spraying, as well as giving you the choicest varieties of apples, peaches, cherries and other fruit—all "Wood Quality" stock. Cost you about half agents' prices. We sell direct only. We will send this book absolutely free. Not the biggest book, but one you can depend on. Don't fail to write for a copy. Return mail brings it.

**WOODLAWN NURSERIES, Allen L. Wood, 588 Culver Road, Rochester, N. Y.**

## "Dandy" Bone Cutter

You needn't pay one penny for this bone cutter until you try it and it satisfies you. Feeding green bone is one of the first steps to gain a big egg yield. But the bone must be cut right. The Dandy Green Bone Cutter cuts across the grain of the bone, enabling the hen to digest the nutritive elements better and convert same into eggs, blood, feathers. Our terms on the Dandy Bone Cutter are

\$5

AND UP

### NO MONEY IN ADVANCE 30 DAYS FREE TRIAL

The Dandy costs less than most bone cutters and it works infinitely better. Also cuts meat, vegetables, roots, etc. To ensure big sales this year we have made special reduction in prices. Write quickly for free booklet. Prices are liable to rise next month, owing to big demand for raw material.

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## Hatch Chicks that Live—Bigger Chicks—Stronger Chicks—Healthy Chicks—and More of Them

Your profits come from the chicks that live, Mr. Poultryman—not from the chicks that die. A big hatch doesn't mean much to you unless the chicks live and thrive—and unless you can hatch chicks **THAT WILL LIVE AND THRIVE**—you can't make money raising poultry. 50 per cent hatches and raising 50 per cent of the chicks you hatch isn't successful poultry raising—yet many breeders are doing no better than that—and think they are successful.

### YOU CAN HATCH EVERY HATCHABLE EGG and HATCH CHICKS THAT WILL LIVE

if you use a Buckeye Incubator. Thousands are doing it—hatching great, strong, healthy chicks that start to grow the minute they leave the shell and keep on growing—without the aid of tonics and medicine to keep them alive. With a Buckeye Incubator you can hatch eggs that other incubators cannot hatch and get larger chicks than can be hatched in any other incubator or under a hen.

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because we have an agency right in your home town where you can see one at work—see how it hatches—see the chicks hatching and get personal help in operating the Buckeye you buy. We have made it possible for you to cut out hard-to-understand direction books and all possibility of failure, because our agent will show you how to hatch every hatchable egg and produce bigger chicks and stronger chicks than you ever saw before.

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Over 325,000 Buckeyes are in use today. Over 100,000 sold last year. Has 22 years of successful history. Write today for our new catalog, just the book you will want if you keep chickens. Talks to the point and stops when it gets there. Reading

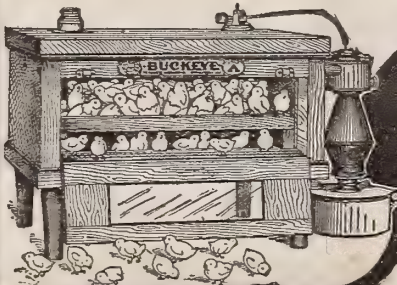
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you—anybody—to operate a Buckeye Incubator successfully. Don't be a doubter! Seeing is believing, so send us your name and we will direct you to our dealer so you can see a Buckeye hatching.

Buckeye Incubators are made in five sizes, 60 eggs to 350 eggs—and are equipped with every desirable device to hatch chicks that live. (The big 10,000-egg machines use the Buckeye principle of hatching and construction.) They are GUARANTEED to hatch every hatchable egg and are

It is time well spent. Do not delay. With the catalog we will send you information about the dealer who will show you a Buckeye in operation, and testimonials from every state in the Union.

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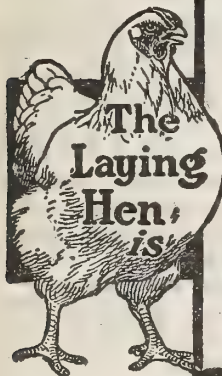


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Winners at St. Louis, Indianapolis and Cleveland. Several grand breeders left at bargain prices. Remember "Wingolds" are buff to the skin. Stock shipped on approval. F. A. Poertner - Box A, Berea, O.



The  
Laying  
Hen  
is

Layers are payers. The more eggs, the more profits. It is the number of eggs, not the number of hens that determines the season's income. For lots of eggs use

## Pratt's Poultry Regulator

Makes hens lay because it puts them in condition to bear the strain of egg production.

25c, 50c, \$1; 25-lb. pail \$2.50

During the winter months much loss is caused by colds, catarrh and roup.

## Pratt's Roup Cure

25c, 50c, \$1

Is the one sure preventive and cure

"Your money back if it fails"

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Get Pratt's Profit-sharing Booklet

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The  
Paying  
Hen

## Ideal-Hover

Pick it up and carry anyplace with lamp lit, comes nearest to natural conditions of anything yet, broods chicks just like the hen, the greatest Colony House Hover ever invented, no lamp box to fasten to outside, no holes to cut, no false floors. HEATER: Our hot air duplex or double drum heater will produce 15 per cent more heat than the single drum heater used in all of the first class Hovers, making it the best Hover for winter use on the market. AUTOMATIC LAMP: Our lamp will never smoke, oil always remains cool as oil fount is on the outside, feeding the oil to the wick just as needed, and only enough to keep it covered, lamp flame always in plain view. Dr. John M. Zook Jr., W. Chester, Pa. says: It beats them all for handiness, safeness and the small amount of oil it consumes. Wilson Jones, Girard, Pa. says: The two Ideal Hovers are proving themselves splendid chick raisers, raising every chick, find check inclosed for 5 more. Gilbert J. Mitchell, Kingfisher, Okla. says: The Hover is perfectly satisfactory, please find check inclosed for 5 more. The Ideal Hover is all metal but the double curtain, the top being double with Asbestos packing, 24 inches in diameter, capacity 100 chicks. GUARANTEE: We guarantee the Ideal Hover to successfully brood 100 chicks as long as they need heat, and to give perfect satisfaction in every way or we will return the money. PRICE: Complete with thermometer \$5.50 freight paid on two or more east of the Rockies. \$6.75 west of Rockies freight paid on three or more. Upon receipt of \$1.00 we will ship by express C. O. D. to be examined and allow freight on two or more. Circular showing five views of the Ideal, also testimonials of pleased customers, and Poultry supplies we Manufacture and sell, FREE if you mention this paper.

DUPLEX INCUBATOR CO., TREMONT CITY, OHIO



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## New 1913 Prairie Poultry State BOOK

### Bigger and Better

Every one interested in chickens—amateur or expert—wants and needs this valuable book. Poultry experts say it is by far the best book published. It is brimful of good, practical information, gleaned from actual experience of the most successful poultrymen. Over 120 pages and 75 of them bristling with such live topics as the following:

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## Prairie State Incubators and Brooders

which are built according to the very best ideas in practical, scientific incubation. Practical use proves they hatch the most and best "livable chicks." The book is free if you send now. Do it today.

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120 Page Book

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## PFILE'S 65 Varieties

LAND and Water Fowls. Farm-raised stock, with eggs in season. Send 2c for my valuable illustrated descriptive Poultry Book for 1913. Write Henry Pfile, Box 600 Freeport, Ill.

## Plain truth is, you will have no lousy hens if you paint the inside of your henhouse with

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once a year. It is guaranteed. Write for circulars and testimonials.

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No Odors **Scientifically** Non Poisonous

with PASTEUR LABORATORIES' RAT VIRUS Easy to use—Harmless to poultry, domestic animals and man. Write for full particulars immediately.

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## Feed Cut Clover For More Winter Eggs

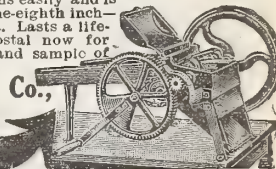
Keep hens in egg-a-day class all winter by feeding egg-making food. Cut clover, alfalfa, vegetable tops, etc., is cheapest and best poultry food.

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Knives easily removable for sharpening. Cutter bar adjustable. Runs easily and is geared to cut one-eighth inch—the right length. Lasts a lifetime. Write postal now for price, circular and sample of cut alfalfa.

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Asphalt cements

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You who really want your roof waterproof to stay waterproof—get

## Genasco THE TRINIDAD-LAKE-ASPHALT Ready Roofing

Trinidad Lake asphalt is "Nature's everlasting waterproofer", and we use it to make Genasco.

Mineral or smooth surface. Ask your dealer for Genasco. Write us for the Good Roof Guide Book and samples—free.

The Kant-leak Kleet, for smooth-surface roofings, does away with cement in laps, and prevents nail-leaks.

The Barber Asphalt Paving Company Largest producers of asphalt, and largest manufacturers of ready roofing in the world.

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Supplies clean wholesome Dry Mash Feed that makes your fowls pay. Feeds all sizes of fowls—more at a time than other feeders. Prevents waste. Can't clog. Uses up little space. Price 75c. Guaranteed.

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Department 1

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**FEED** your hens cut green bone and get more eggs. With a **Crown Bone Cutter** you can cut up all scrap bones easily and quickly, and without any trouble, and have cut bone fresh every day for your poultry. Send at once for free catalogue.

**Best Made—Lowest Price**

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and disinfecting with the new **"Kant-Klog" Sprayer**

gives twice the results with same labor and fluid. Also for spraying trees, vines, vegetables, etc. Agents Wanted. Booklet free.

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### HERE IT IS FOR \$4.00

**A GREAT BIG HAND GRINDER**

that will save its cost several times a year and will furnish one to two bushels per hour of fresh ground corn, oats, peas, dry bone, oyster shells, nut shells, dry stale bread, etc. for poultry feed, or will grind table meal for family use.

A child can operate it. Thousands sold annually. Shipping weight 40 lbs. We also build a full line of Power Feed Mills, Samson Wind Mills, Gasoline Engines. Ask for catalogue, stating line in which you are interested.

**Stover Mfg. Co., 318 Plymouth St., FREEPORT, ILL.**

### Poultry and Berries Are Good Team Mates

Poultry raising alone is profitable when rightly conducted, but a breeder's income can be doubled at little expense by berry growing.

In raising fowls there are bi-products that go to waste; fresh pasture and range that are not supplied, unless something like berry growing is carried on. Then these things are turned into hard cash and lots of it. Little extra expense is required and the small amount of extra labor comes when the poultry work rests.

#### Berries Add to Your Income

To plant and care for an acre of Berries till they bear costs less than \$60. An acre should net a yearly profit of \$400. For \$300 you can plant five acres, which should return a clear profit of over \$2,000 a year.

I know what I am talking about. I have done these things with Berries. I will tell you how to do them. Send for the Berrydale Berry Book. It's full of inspiration and information. Nothing else like it printed. Write today for a copy—free.

**A. MITTING, BERRY SPECIALIST**  
**BERRYDALE EXPERIMENT GARDENS**  
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## FISKE'S WHITE LEGHORNS

Have won more specials in the last four years than any other White Leghorn breeder in the world and we raised and bred them, too. Some fine show birds for sale.

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Eggs for hatching \$5.00 per 100  
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We have selected 800 of our largest females and best layers to breed from 300 fine Cockerels and 200 laying Pullets to spare at \$2.00 to \$3.00 each—splendid value

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"On the Friesco"

Reference—Editor of this Paper

MANGAN STUDIO, ST. L.

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## "IT IS A LEAD-PIPE CINCH"

writes a successful poultry raiser, "that any person can increase their profits 25 to 100% by the use of the Magic Egg Tester. Just read directions, that's all, and the profits will be measured by the closeness which their most original instructions have been followed." Most convincing testimonials. Shows specific gravity, therefore, it must show hatching strength of all eggs. Indispensable to rate the quality of any hen. Simple, rapid, will last a life time and no expense to use. One year's trial, purchase price refunded if requested. \$2.00 each. Buy of your dealer or by mail, securely packed, from **MAGIC EGG TESTER WORKS, Buffalo, New York; also Bridgeburg, Canada** (Please mention this journal in your correspondence)

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**The Kind That Produce and Pay. Eventually You Will Buy This Kind. Why Not Buy Now?**

**DAY-OLD CHICKS**—Book orders now for day-old chicks. \$20.00 per hundred. Less than one hundred in one order, 25c each. No orders filled for less than 25 chicks in one shipment.

**EGGS FOR HATCHING**—Either variety. \$2 per fifteen, \$3.50 per thirty, \$5 per forty-five, \$10 per hundred.

**BREEDING STOCK**—Fifty S. C. Rhode Island Red cockerels, sure to improve vigor and laying quality of your flocks, \$5 to \$15 each. White Plymouth Rock or Rhode Island Red females at \$3 to \$10 each. •Cash must accompany all orders.

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# BUFF ORPINGTONS

**Winners at Chicago, St. Louis, Indianapolis**  
 First Pen at National Club Meet, St. Louis, Nov.-Dec., 1912. Stock, Eggs for Hatching and Day-old Chicks at prices consistent with quality. *Booklet Free.*  
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WILLARD'S CHAMPIONS have won hundreds of prizes at Madison Square, Boston, Chicago, Detroit, etc. 19 out of 20 firsts past four years at great Michigan State Fair. 900 cockerels and pullets, \$2 up. 125 yearling hens, fine breeders, \$3. 28 cocks, \$5 up. Show birds of brilliant color. We breed and sell winners at living prices. Catalog free. Write us before ordering. Satisfaction guaranteed.

Willard Poultry Farm - - - - - Linden, Michigan

## "PREMIER" PARTRIDGE WYANDOTTES

FOR UTILITY AND BEAUTY

Partridge Wyandottes are the great utility birds of the day, and on account of their superior merit are rapidly displacing the older breeds. As to the fancy quality of "Premier" Partridge Wyandottes, at the big shows last season we won fifty-one first prizes out of a possible sixty-three, and this season, to date, we have won forty-one firsts out of a possible forty-two, a record never equalled by any breeder. Our birds have won at New York, Boston, Chicago, Buffalo, Syracuse, Hagerstown, Allentown, Columbus, Indianapolis, Springfield and Brockton. Eggs for hatching. Breeding stock. Send for your copy of "The Partridge Wyandotte Book."

Sheffield Farm - H. B. Hark, Manager Poultry Dept. - Glendale, Ohio



### Appco Shipsafes For 15, 30, 50 and 100 E G G S

The three-piece slide kind that has proven safest for fine eggs. Extra heavy stock, finely corrugated, perfectly glued. *Free Gummed Tape for Sealing and Binding.*

#### WE QUOTE FOR DOZEN.

15 Egg Size, \$1.20

30 Egg Size, \$1.50

#### No Less Than One Dozen Sold.

50 Egg Size, \$2.50

100 Egg Size, \$4.00

### PARCELS POST SHIPSAFES for Squabs,

Chicks, Butter, Fruit, Vegetables, Everything.

Special PARCELS POST EGG BOXES, One Dozen and Two Dozen Size, at very low prices in lots of one thousand or more.

Our "Poultry Bulletin" describes and prices Day-Old-Chick Boxes, Fowl Shipping, Coops and the Appco Paper Hen. Write for it.

AMERICAN PAPER PRODUCTS COMPANY, 205 Bremen Avenue, ST. LOUIS, MO.

## "Pittsburgh Perfect" Chicken and Rabbit Fence

Take care of the little chicks and the future profits from them will be assured. Give them a chance to grow up in health and safety, and make your investment in them pay.

The smallest chicks can't possibly get through the fine mesh of "PITTSBURGH PERFECT" Chicken and Rabbit Fence—they are always where you want them, perfectly protected from prowling animals. The grown birds won't fly over this fence, because there is no top rail to show them how high they have to fly to get over.

The unequalled strength, neatness and efficiency of "PITTSBURGH PERFECT" make this line of poultry fences the most popular on the market. Manufactured of large gauge special Open Hearth wire, heavily galvanized with pure zinc, every line and stay

#### Welded by Electricity

wherever they touch, produces a one-piece fabric, easiest to erect, and the most durable and satisfactory fencing made.

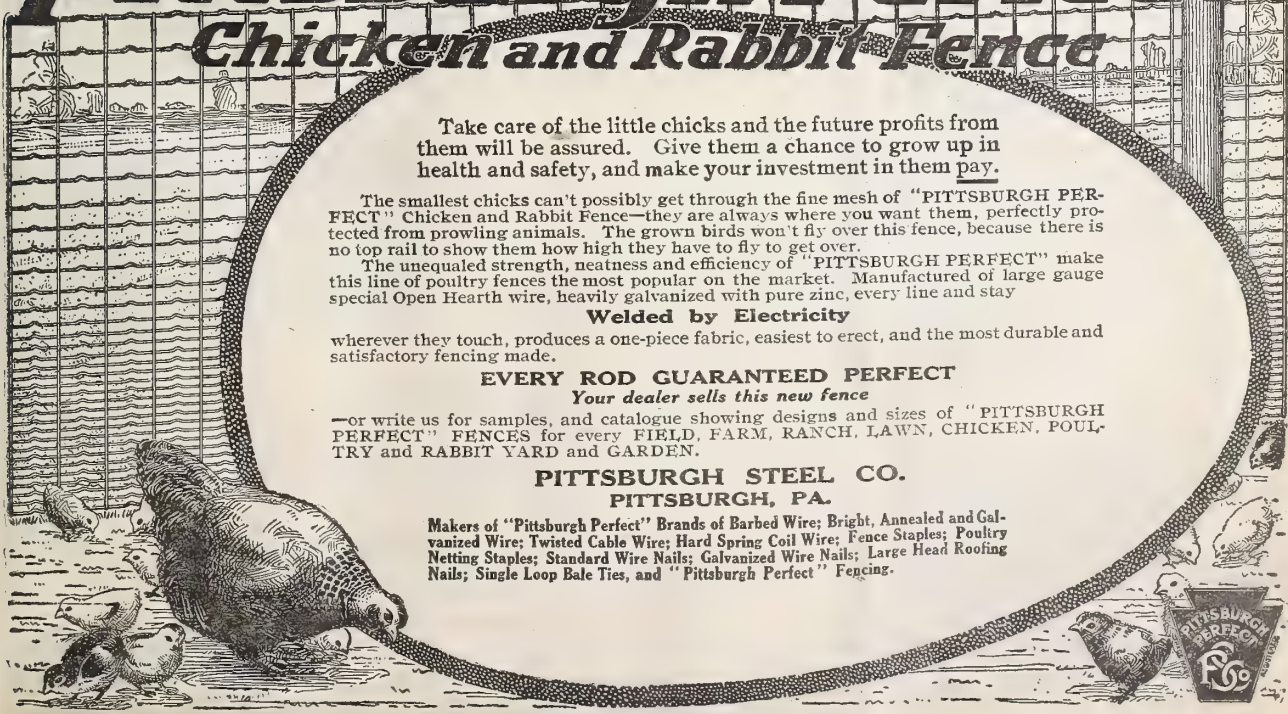
#### EVERY ROD GUARANTEED PERFECT

Your dealer sells this new fence

—or write us for samples, and catalogue showing designs and sizes of "PITTSBURGH PERFECT" FENCES for every FIELD, FARM, RANCH, LAWN, CHICKEN, POULTRY and RABBIT YARD and GARDEN.

PITTSBURGH STEEL CO.  
 PITTSBURGH, PA.

Makers of "Pittsburgh Perfect" Brands of Barbed Wire; Bright, Annealed and Galvanized Wire; Twisted Cable Wire; Hard Spring Coil Wire; Fence Staples; Poultry Netting Staples; Standard Wire Nails; Galvanized Wire Nails; Large Head Roofing Nails; Single Loop Bale Ties, and "Pittsburgh Perfect" Fencing.





## \$7.35 FOR 155 EGG INCUBATOR

Biggest guaranteed incubator at price—155 egg capacity. Has hundreds of dead air cells—only incubator with this special construction—well made—cold rolled copper tank, hot water heat, double disc regulator, deep nursery, high legs, double doors, egg tester, safety lamp. Special price \$7.35. Incubator and Brooder together \$9.85. Frit. pd. E. of Rockies. Order direct from this ad (money back if dissatisfied) or send today for our interesting big free book. **PROGRESSIVE INCUBATOR CO.** Box 135 Racine, Wis.

## Give Hens Clover

### It Makes Them Lay

Clover or alfalfa is a great winter laying feed. Each is rich in protein—the food element most necessary to make eggs. Write me to-day and I will tell you how to fix enough in a few moments' time forever the largest flocks. The hens eat it up clean—no waste—when cut in a

### Humphrey Rapid Clover Cutter

I will send you a machine on a ten days' trial, taking all risk, to satisfy you that by following my advice and Humphreyizing your flock you will get more and better eggs this winter.

### Get "The Golden Egg"

The helpful book for you. Adapted to any size yards. Tells how to get 150 to 250 eggs a year per hen. The feed, not the breed, is what counts most. This book of mine is as necessary to you as a poultry house. We can convince you. Write for copy to-day. **HUMPHREY, New St. Factory, Joliet, Ill.**

## Egg Profits

A hen never shirks her job to be mean and contrary, so don't blame the hens if your egg profits are not what they ought to be.

The number of eggs a hen lays depends entirely upon her condition.

Most farmers now recognize the fact that proper fertilization of land will greatly increase the yield.

With hens—a tonic, and appetizer, will cause what they eat to properly digest, and they will in turn lay more eggs.

### Dr. LeGear's Poultry Powder

is the greatest of all poultry remedies. It purifies the blood, prevents and cures diseases, and makes hens lay.

Large packages 25c and 50c  
25 pound Pails, \$2.50

If your local druggist or dealer hasn't it, write us, giving his name and we will see that you are supplied.

Dr. LeGear's Stock and Poultry Book containing 112 pages, will be sent free on request.

**DR. L. D. LEGEAR MEDICINE CO.**

725 Howard St. ST. LOUIS, MO.  
Sole manufacturers of Dr. LeGear's  
Famous Stock and Poultry Remedies.



## PARTRIDGE ROCKS

Erin Strain. The quality kind. A few choice cockerels for sale. Mention American Poultry Journal. **W. O. LYLE & SON** : : : : **GNADENHUTTEN, OHIO**

## Ardmere Duck & Poultry Farm

LARGEST COMBINATION PLANT IN THE WEST—S. C. White Leghorns, Pekin Ducks and White China Geese—Book your orders now for hatching eggs, day-old chicks and ducklings from farm raised stock. My birds are noted for their heavy Winter laying qualities.

**Frank E. Boyle, Prop., Oconomowoc, Wisconsin**

## Stock, Eggs and Baby Chicks For Sale

**CHAMPION WINNERS  
CHAMPION LAYERS  
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Four Firsts and Four Seconds on Buff Orpington  
Fowls and Ducks at the Great Chicago  
Show, Dec. 12-18, '12

## DO YOU BREED "Sunswick Strain"

**S. C. BUFF ORPINGTONS and  
BUFF ORPINGTON DUCKS  
Or Just Orpingtons?**

The Great Buff Orpington Specialty Breeders of  
America

**Sunswick Poultry Farm  
SOUTH PLAINFIELD, N. J.**

Send For Catalogue Rufus Delafield, Owner Inspection Invited



# SUNNY SLOPE ANCONA FARMS

THE ACME OF PERFECTION

First at the leading shows in the world—London, England, Cleveland, Toledo, Allentown. We have some of the greatest birds in America in our yards this season, and will have thirty breeding pens mated up with nothing but tested yearling females, acknowledged the very highest type for ideal stock to be raised from. Booking orders for baby chicks and hatching eggs. Illustrated catalog free.

J. O. SOMERS

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BEDFORD, OHIO



PARKS' STRAIN OF BRED-TO-LAY

## Barred Plymouth Rocks

Have laid their way into popularity. They represent over twenty years of careful selection, and trapnesting for eggs, in addition to being bred close to the standard requirements, as our recent winnings show. Have no more cocks or pullets to spare, but a very nice selection of hens together with a nice lot of big, husky, healthy, well marked, hen-raised cockerels. Cockerel circular free. Am booking and filling orders for eggs. Selected eggs, \$5-15, \$8-30; \$11-50, \$20-100. Incubator eggs, \$2-15, \$6-50, \$10-100. Day-old chicks after March 1. Chick cir. and large 36-pg. cata. free.

J. W. Parks : Box J : Altoona, Pennsylvania

## How About Your Lamp?

Are you going to worry along with that old lamp and perhaps lose your hatch? It will pay YOU to have a ZERO SAFETY LAMP in your incubator and brooder, because it will give a sure, intense heat, with no danger of fire or explosion. Is constructed so that it cannot overheat. Think what an advantage this is to our thousands of satisfied users. From any of our dealers or \$1.25 postpaid, direct.



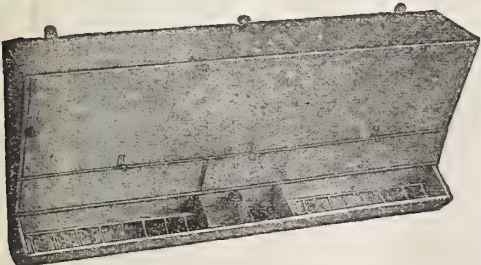
When all the experiments have been thrown away, the Sanitary Poultry Drinking Fountain will still remain the Best and Most Practical Watering Device ever invented. Not injured by Freezing Solid. Easiest to clean and fill. One trial will convince you.

Price—1-gallon size, 50c; 2-gallon, 85c; with heater, 1-gallon size, \$1.00; 2-gallon, \$1.45. Our catalogue for the asking.

Atsatt Bros., 27 Pearl Street, Mattapoisett, Mass.



## THE HOPPER THAT FEEDS WHEN THE CHICKENS ARE HUNGRY



It saves the inconvenience of feeding at a regular time. When the chickens get hungry they go and eat. It is 30 inches long, stands 16 inches high, built with two compartments, one for dry mash and one for oats, holding one peck each. Between are two small compartments for grit, oyster shell or charcoal, holding three quarts together. See illustration.

## IT CANNOT CLOG

The pecking of the chickens in the troughs operates a vibrating tongue in each compartment, allowing the feed to drop.

Write for our catalogue B20, also our new circular, describing and illustrating our new models in hoppers and drinking fountains.

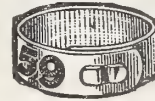
Oakes Manufacturing Co. : Tipton, Indiana  
INCUBATOR AND POULTRY YARD SUPPLIES

**\$4.65 Delivered To You PREPAID**

Wisconsin Jr. Incubator now sent all charges paid, under new Parcel Post Ruling for only \$4.65. Made of California Redwood, hot water, copper tanks, self-regulating, double walls. Set up complete, ready to use. Guaranteed. Brooder \$1.70. Order direct—send for catalog.

**Wisconsin Incubator Co., Box 312, Racine, Wis.**

## Ideal Aluminum



### LEG BANDS for POULTRY and PIGEONS

are the acknowledged leaders. Firmest and most secure lock. GUARANTEED to stay on. Price, postpaid, 12 for 15c; 25-20c; 50-35c; 100-60c; 175-\$1.00; 200-\$1.10; 500-\$2.50. Price list and sample 2c.

Frank Myers, Mfr., Box 40, Freeport, Ill.

## Fruit Trees Thrive in Poultry Yards



Plant fruit trees in your runs and make two profits from your poultry. Chickens furnish fine fertilizer and eat insects from trees. Buy the finest grown trees at wholesale prices.

## Green's Trees 500,000 For Sale

No agents or canvassers. Sold direct and you get the middleman's profit. All clean, healthy, full-bearing trees. True to name and reliable. Apple, peach, pear, plum, quince and cherry trees. Green's 1913 Catalog FREE. Two interesting booklets, "Thirty Years with Fruits and Flowers" and "How I Made the Old Farm Pay," sent free. State which. GREEN'S NURSERY CO., 42 WALL ST., ROCHESTER, N. Y. Established 34 years.

## Get Winter EGGS

Cold weather, close confinement, lack of green stuff and lack of exercise make the egg organs of the hen sluggish and inactive during the winter months. That's bad for you, because the hen, instead of producing eggs when city folks are willing to pay top-notch prices for them, starts putting on flesh and becomes lazy.

What hens need during winter is a tonic to turn the ration into eggs, to keep the egg clusters active, vigorous and constantly working.

## Dr. Hess Poultry Pan-a-ce-a

tones up the dormant egg organs. It cures and prevents gapes, cholera, roup, leg weakness, etc. If your hens can be kept healthy and active, working and scratching for a living, you'll have winter layers. Poultry Pan-a-ce-a is sold on a written guarantee.

1 1/2 lbs. 25c (mail or express 40c); 5 lbs. 60c; 12 lbs. \$1.25; 25-lb. pail \$2.50. Except in Canada and the extreme West. If your dealer cannot supply you, we will. Send 2c for Dr. Hess 48-page Poultry Book, Free.

Dr. Hess & Clark, Ashland, Ohio  
Manufacturers of Dr. Hess Stock Tonic





# FRAZIER'S BUFF ORPINGTONS

Hundreds of properly bred cockerels and pullets for sale that are wonderful in even buff and typical Orpington shape, that will open the eyes of all Orpington breeders the coming season. I hatched from nothing but eggs from my stock that won 34 prizes at Indianapolis (Nat'l Club Meet) Springfield and Louisville, besides seven silver cups and champion banners for color, shape and QUALITY. Every bird I offer for sale is either son or daughter of the above WINNERS. It follows then, that my \$3 birds will have more breeding VALUE than birds offered by other breeders at equal or higher prices. One trial will easily convince you. Yearling breeders \$2 and up; young stock \$3, \$5 and \$8; show stock reasonable, trained FREE and shipped in the pink of condition when wanted for any show.

**J. S. FRAZIER** : Member of All Poultry Organizations of Prominence : **BOX B, ADVANCE, IND.**

## Barred Plymouth Rocks

**WINNERS** at Louisville, Frankfort, Owensboro Shows, and Kentucky State Fairs. 1st Cockerel, 1st Hen, 1st Pen, 2nd Pullet, 3rd Cock, 3rd Hen, 4th Cock, 4th Hen, 4th Cockerel, 4th Pullet, cash prize for best Pen, Louisville Poultry Show Jan. 19, 1911. 1st Pullet, 2nd Pullet, 2nd Hen, 2nd Cock, 3rd Cockerel, cash prize for best Barred Plymouth Rocks, Kentucky State Fair, Sept. 12, 1910. 1st Cock, 1st Cockerel, 1st Pullet, Frankfort, Sept. 1909. 1st Hen, 1st Pullet, 2nd Cockerel, 3rd Cock, 3rd Cockerel, 3rd Pullet. Cash prize for best Barred Plymouth Rocks, Kentucky State Fair, 1909. 1st Pullet, 1st Hen, 2nd Hen, 3rd Cock, 3rd Cockerel, 4th Cockerel, 4th Hen, 4th Pullet. Special for best shaped female, silver cup for best Barred Plymouth Rocks, Louisville Poultry Show, Dec. 1909. All firsts, Owensboro, Oct. 1909. 1st Cockerel, 3rd Pullet, 3rd Cock, 4th Cockerel, 4th Hen, 4th Pullet, 5th Hen, 5th Pullet. Blue Ribbon for best display. Cash prize for best Barred Plymouth Rocks, Kentucky State Fair, Sept. 1911.

**Breeding Cockerels \$3.50—Pullets \$2.50**  
**Exhibition Males \$12.50—Females \$10**

**Incubator Eggs \$1.50 per 15—\$7.50 per 100**

As splendid as have been our birds in the past, this season they are the height of perfection—in the new type—the correct type—the Pope type, of clear, distinct, black and white barring. No other breeder can give you such quality in color and markings as we can. We are specialists in Barred Rocks, have bred them successfully for twenty-one years, and when you buy Pope strain, you buy birds so good that they are in a class by themselves.

**EXHIBITION BIRDS.** We do a large business; we furnish MORE WINNERS TO OUR CUSTOMERS than perhaps any breeders in America. Our low prices secure for us more orders than we can take care of and our FINE, LARGE, MAGNIFICENT BIRDS, absolutely guaranteed, win the blue for those that buy them. Give us a trial, we can please you, we can please anyone.

**BREEDERS.** Buy your breeders from us. We have on range 1800 early hatched birds raised direct from our PREMIUM AND PEDIGREE PENS, bred to perfection in shape and color, large, healthy, vigorous, and we will send you the kind of stock you need to build up and strengthen your flock. Our unlimited facilities for hatching and raising Barred Plymouth Rocks ENABLES US TO GIVE YOU SELECTION NO SMALL BREEDER CAN POSSIBLY DO. A choice breeding or exhibition pen bought from us will do you more good than DOUBLE OR TRIPLE THE MONEY SPENT ELSEWHERE.

**POPE & POPE, Cat. 3, Box A, Louisville, Kentucky**



1st Prize Cockerel  
Armory Show  
Louisville,  
Jan. 1912

Copyright  
1912  
Pope & Pope  
Louisville



WINNER OF FIRST AND SPECIAL PRIZES, DEC. 1923, 1911  
MADISON SQUARE GARDEN, NEW YORK.  
BRED AND OWNED BY D. W. YOUNG, MONROE, N.Y.

YOUNG'S STRAIN S. C. W.

## LEGHORNS

(I HAVE NO OTHER BREEDS)

THEY are the standard for all the Leghorns of all America and the greatest layers of all varieties of domestic fowl. I have hundreds of yearling hens and cockerels for sale that can win anywhere, and after winning will improve your stock for eggs and exhibition points. (Remember, you cannot win without my strain.) Address

**D. W. Young, Monroe, N. Y.**



## The Ravens Rose Comb Reds

While they last, utility pens at \$10.00. Red, with type and color bred from Buffalo blue ribbon winners. Cockerels \$3.00 up; pullets \$1.50 up. Please write your wants.

M. C. De LOOF - BOX 171, WILLOUGHBY, OHIO

## Rose Comb Black Minorcas

First cock, first hen, first cockerel, first pullet at St. Louis 1912; first cock and first hen on White and Fawn Indian Runner Ducks. J. S. BALES - ROUTE 2, SPRINGFIELD, ILL

## BARRED PLYMOUTH ROCKS

OF QUALITY—A few pullets and cockerels for sale. Mention American Poultry Journal when writing. ACME POULTRY YARD : C. A. GIFFORD, PROPRIETOR : RUSK, TEXAS

## Bonnie Brook Poultry Farms

S. C. White Leghorns only, in pens or for breeders. Also choice cockerels for sale. Get our prices on eggs for hatching, custom hatching, or day-old chicks. Write for our catalogue. H. L. Davis, Manager - R. D. 3, Saratoga Springs, N. Y.

## S.C. Black and White Minorcas

Bred for quality in all branches; size, shape, color and laying. Have bred Minorcas for the past 23 years; have won whenever shown. Some young stock for sale.

G. B. Smith & Son -:- Box 454, North Baltimore, Ohio



## FOSTER'S DUKE OF KENT SINGLE COMB BLACK ORPINGTONS

25 nice young breeding pullets, \$3.00 each. Also 20 nice breeding cockerels, \$4.00 each. This bargain open till they are all sold. First come first served. After our January show all show birds will be for sale. Wait and get a winner. Circulars now for mailing. Mention American Poultry Journal when writing.

FOSTER & JOHNSTON, R. R. 7, FORT WAYNE, INDIANA

## WHEN YOU WANT SOMETHING EXTRA GOOD IN WHITE ROCKS

Eggs, stock or day-old chicks. Our famous "Crystal Strain" Eastern Champions will win and lay to please the most exacting. Only vigorous, farm reared, trap-nested, individual pedigreed stock of exceptional shape and quality bred or offered. Let us book your order now for future delivery and avoid disappointment. Red stamp brings our interesting catalogue. Write for mating list. Please mention American Poultry Journal.

THE MODEL FARM, C. G. Mueller, Proprietor, Box 542, LANSDALE, PENNA.

# The Colonial

AND Mineral Baths  
Mt Clemens, Mich.

A BOOKLET  
GIVING GENERAL  
INFORMATION  
ALSO RATES  
AND OTHER  
INFORMATION  
CHEERFULLY  
SENT ON  
REQUEST

OPEN ALL THE YEAR

THE BEAUTY SPOT OF MOUNT CLEMENS OPEN ALL  
THE YEAR THE GREAT CURE FOR RHEUMATISM AND  
NERVOUS ILLS. WRITE TODAY FOR RATES, BOOKLET,  
ROUTES. ALL INFORMATION CHEERFULLY GIVEN  
ADDRESS COLONIAL HOTEL  
MT CLEMENS, MICH



## THE "SIGNET" ALUMINUM LEG BAND

Adjustable. The band that stays on. Price postpaid 12, 15c; 25, 20c; 50, 35c; 100, 60. Send stamp for sample.

W. J. BALL, SALEM, OHIO



I have severed all home ties and am ready to be shipped anywhere. If you send a stamp to Darlington you will get an illustrated book telling how to raise me.

DARLINGTON EGG FARM

— Alfred P. Edge —

Box B : : Darlington, Maryland



## A Suffering Hen

Lice attack the vitality of an infested hen so persistently that there is no "let up" in her misery. There will be a "let up," however, in your profits, for no hen is sufficiently vigorous to support voracious myriads of hungry lice and also lay eggs. Whether you suspect the presence of lice or not, now is the time to begin to use

## Instant Louse Killer

It will kill them if present and prevent their coming if you don't have them. Sprinkle it freely about nests and roosts, dust the hens with it and apply wherever there is the possibility of lice harboring. Instant Louse Killer is the prescription of Dr. Hess (M.D., D.V.S.), and destroys lice on cattle, horses, ticks on sheep, rose slugs, cabbage worms and bugs on cucumber, squash and melon vines. Comes in shaker-top cans and may be used winter and summer alike. Good also as a disinfectant.

### SOLD ON A WRITTEN GUARANTEE

See that the word "Instant" is on the can.

1 lb., 25 cents) Except in Canada and  
8 lbs., 60 cents) extreme West.

If your dealer cannot supply you, we will send one pound by mail or express, prepaid, for 35 cents.

DR. HESS & CLARK, Ashland, Ohio.

Also Manufacturers of Dr. Hess Poultry Pan-a-c-e-a



**JAMISON BROS.**

Baby chick specialists, are now booking orders for spring delivery.

Have de Grace, Maryland

Bargain Sale of Breeding Stock From

**C.L. CUNNINGHAM & SON**

POULTRY FARM  
Caruthersville, Mo.

S. C. White Orpingtons

Our special for this month is our low price on early hatched cockerels. Also choice pullets at a bargain. We have made great winnings at the shows; write us about them. We are mating our pens for early hatched chicks. Eggs, eggs, eggs will be ready to ship Jan. 1st write us. Just a word about our stock; when mating our pens we always look after the laying side. Utility first, then quality. We have more show stuff in our pens this year; every one headed by a ribbon winner. All birds direct descendants from our heavy laying strain. They are the best breeding and prices made to move them.

SPECIAL SALE FOR JANUARY



SPLENDID PULETS \$5 FOR \$10

## Ringlet Barred Rocks

Grand breeding cockerels and pullets, \$3, \$4 and \$5. Mated trios, \$7 to \$10. Pens, \$10 to \$15.

Highland Poultry Farm, Fred Erdman, Normal, Ill.

**126 Chicks From 130 Eggs!**

A 97% hatch! Mrs. Alma Shipp, Hale, Mo., did this with a **Komon-\$ense Incubator**. Hundreds of others are doing likewise. So can you, because it's built right and heated right. It's durable and will last a lifetime with proper care. Think of it! This

**Komon-\$ense 130 Egg Incubator \$7.50**  
complete, with double-water regulator, high legs, deep nursery, egg-tester, lamp, thermometer and simple directions, all set up ready to run.

**30 DAY FREE TRIAL**  
Hatches 90 per cent with least care and expense. Our customers' experience proves this.

Satisfaction guaranteed or no sale. 130-chick Komon-\$ense Brooder alone, \$4.00. Incubator and Brooder ordered together, \$10.50. Order direct or send tonight for **Free book**. **Komon-\$ense Incubator Co.** Box 66, Racine, Wis.



**Incubator and Brooder \$10.50**



**Freight Paid East of Rockies**



**Single Comb Buff and White . . .**

## ORPINGTONS

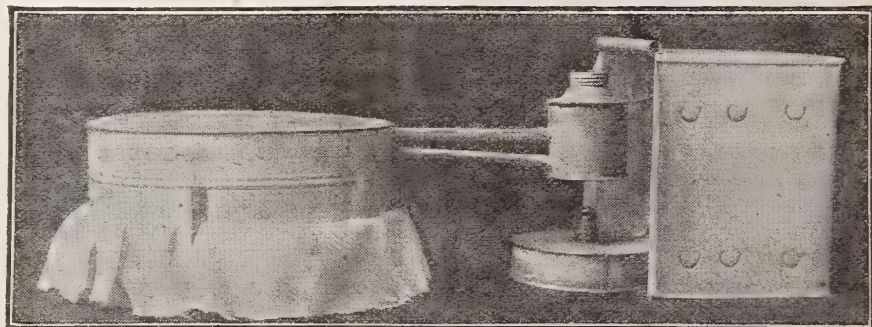
That are Orpingtons in type, color and quality, and those wanting high class birds for either exhibition or breeding can procure them at right prices. Guaranteed to give satisfaction. My 1913 breeding pens are made up. Eggs for hatching, Catalogue with list of winnings, prices, etc., for the asking.

**C. A. KEEFER (AR 5) MUSKEGON, MICHIGAN**

## CANADA'S BEST S. C. & R. C. BLACK MINORCAS

Are the best in the world. The Provincial Show at Guelph is Canada's greatest show. At Guelph Show, December, 1912, in the largest and best class of S. C. Black Minorcas ever shown in America my strain won (principally birds I sold and stock from eggs from my yards) the following prizes: Single Comb—Cock 1-2-3, hen 3-4-7, cockerel 1-2-3-6-7-9-10, pullet 1-2-4-5. There were 18 S. C. cocks, 38 hens, 44 cockerels and 44 pullets on exhibition and in all the years I have been breeding Black Minorcas I never saw as many high class birds in one show. I consider that win of our stock a far greater honor than if I had done the winning. High class exhibition birds at reasonable prices. Good cockerels at \$5.00 and good pullets at \$3.00. Please send for sale cut and testimonials, also complete list of prizes won. Please mention American Poultry Journal when writing.

**T. A. FAULDS : LONDON, ONTARIO, CANADA**  
PRESIDENT OF CANADIAN BLACK MINORCA CLUB

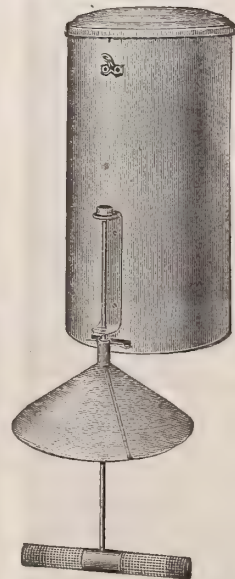


## \$2.50 For Our All Metal 50-Chick Hover

A perfect hot water system that circulates a warm flannel to lay on the chicks' backs. A hover that can be applied to any colony coop or box in ten minutes; they can't crowd or pile up under this hover. Made of galvanized iron No. 26 gauge, and will last for years. Get our Incubator Book before you buy.

**Wendell Incubator Company - 51 Main Street - Holly, Michigan**

## The Gillette Poultry Feeder



THE machine that will make the feeding of your poultry simple and easy. It will feed any kind of grain—whole, cracked or mixed, better than the expert. The poultryman who neglects to get a Gillette Poultry Feeder deprives himself of the only really efficient method of feeding poultry. It saves a large portion of your grain and time, increases the vitality and productiveness of your stock. The only ball bearing machine on the market. Absolutely the only machine in the world that feeds **BABY CHICKS** as well as grown birds. You really get two machines for the price of one when you buy the Gillette.

**ORDER TODAY.** One size, one-half bushel capacity, price \$2.50. Your name and address will bring our circular.

Manufactured and For Sale by

**Fred W. Morse Co.**  
PROVIDENCE, RHODE ISLAND



# SILVER WYANDOTTES

EXCLUSIVELY

The Beauty and Utility Breed—The Best Winter Layers

Another great victory at the club show, St. Louis, November 27th to December 2d. Our Silvers won on cocks 2d, 3d, 4th, 5th and 7th; hens 1st, 3d, 4th, 5th and 7th; cockerels 1st and 2d; pullets 1st, 2d, 4th and 7th; pens 1st and 2d; Steinmesch cup for best cock, hen, cockerel and pullet; \$10 special each for four best males and four best females and champion pen; also \$5 each for champion male and female; also thirty other specials. At Arkansas State Show, Little Rock, Arkansas, November 25th to 30th, with another string of birds, we won on cocks 1st and 2d; hens 1st, 2d, 3d and 5th; cockerels 2d, 3d and 4th; pullets 1st, 2d, 3d and 4th; pen 1st; cup for best fifteen birds and three other specials. If you want show birds or breeders, get our prices. A fine lot of utility cockerels from \$2 to \$4 each, birds that will increase your egg yield. No eggs nor baby chicks. Mention A. P. J. when writing.

A. & E. TARBOX : BOX A : YORKVILLE, ILLINOIS

# SILVER AND GOLDEN CAMPINES AND S. C. WHITE LEGHORNS

**STOCK, EGGS AND DAY-OLD CHICKS** From this great laying combination trapped and pedigreed, excel as Winter layers. I have a strain of strong, vigorous, heavy layers. I make no extravagant and unsubstantiated egg record claims, but each year our chicks are bred from birds whose performance is measured by their egg yield. In Campines I will mate a grand lot of females of the Jacobus Improved Strain, also two pens headed by direct descendants of Crystal Palace winners. If you are in need of this quality of stock, write me and I will be pleased to quote you. Satisfaction guaranteed. Catalogue free.

S. D. Hall : Box 78 : Seville, Ohio

# STONE STREET WHITE ORPINGTONS

My birds are up-to-date. Last year I won my share of prizes. This year in four of the largest shows in the South, Nashville, Paducah, Shreveport and Columbus, Georgia, thirty-three ribbons were placed over my exhibits. Also ten cups, some of them valued at \$100 each. Also club specials. Can furnish some grand exhibition birds for all classes. Prices right. Have a few pens first class utility stock at \$25 each. Eggs in season. Order early. Mention American Poultry Journal.



Best Hen in Whole Show, Columbus, Georgia, 1912.

PARK POULTRY YARDS : MRS. REGINALD STONESTREET  
GLENDALE, NASHVILLE, TENN.

# VALUABLE POULTRY BOOKS

*How to Get Them Free with  
Poultry Success*

**FOR A SHORT TIME ONLY**, we are offering four standard works on poultry as premiums with subscriptions to **Poultry Success**. Each of these books is written by an authority on the subject and is worth money to any poultryman.

**Poultry Success** is one of the oldest, largest, most practical and most popular magazines, and should be read by every poultryman. From 86 to 236 pages every month; established 1889; best writers; handsomely illustrated. This exceptional premium offer is choice of the Briggs System and Secret Book, Profits in Poultry Keeping Solved, (new revised 5th edition) or the Smith Method of Poultry Raising, with **Poultry Success**, one year, only..... **\$1.00**

Or choice of either the Briggs or Smith books and **Poultry Success** for three years, only..... **\$1.50**

Choice of Poultry Keeping in a Nut Shell or Up-to-Date Poultry Houses and Appliances, (latest and best book on plans and construction) regular price of either book, 50 cents, and **Poultry Success**, one year, only..... **50c**

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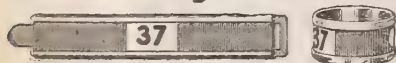
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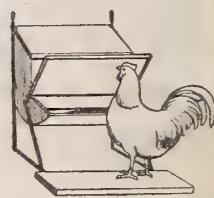
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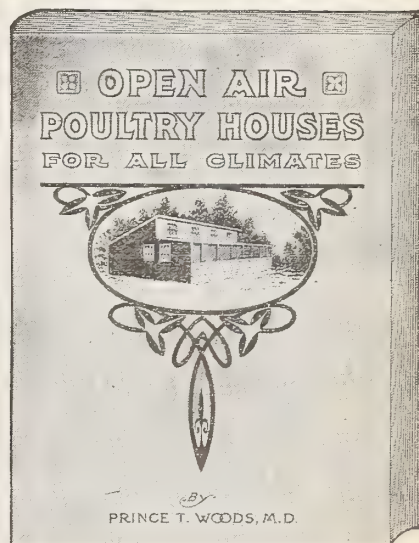
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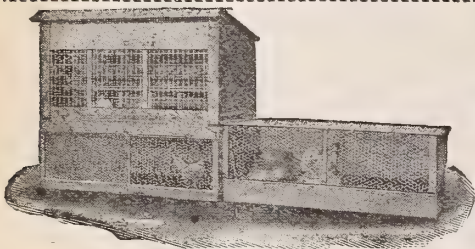
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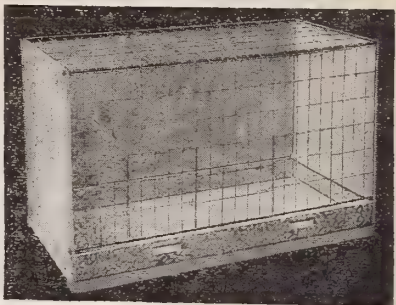
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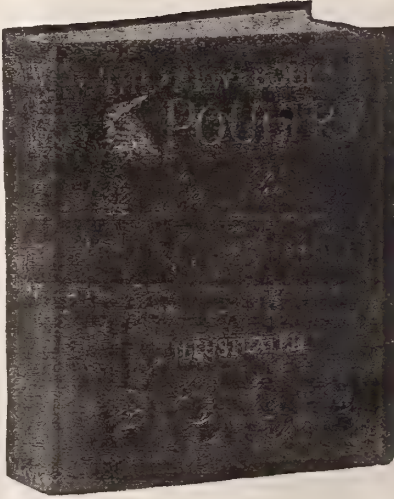
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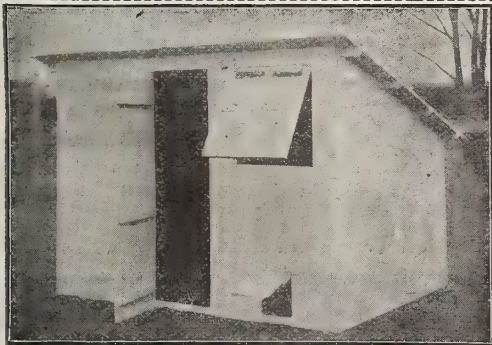
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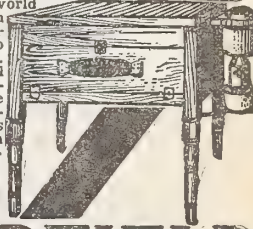
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Winners of over 300 premiums at Madison Square Garden alone. They won thousand of other premiums at all the big shows. We have 2,000 head of the finest birds we ever offered. Show birds fit for any company, 100 grand cock birds. They have the size, shape, color and open lacing. If you wish quality we can supply you. We have line bred these birds for thirty years. Also 100 narrow laced Golden Sebrights, all imported blood.

IRA C. KELLER : BROOKSIDE FARMS : BOX 75, PROSPECT, O.

## White Rocks & White Wyandottes

The Champion Blue Ribbon Strain—Our record of ten firsts at the big Baltimore show has never been excelled. We showed three entries of White Wyandottes at the recent Brockton Fair and won first and shape cockerel, second and color pullet and first pen. We have an extra fine lot of exhibition and breeding birds and it will pay you to write us before buying elsewhere. Remember we have a record. Tel. Ex. Marlboro.

Rockandotte Farm : W. R. Graves, Judge  
Mrs. S. H. Graves, Judge : R. 3, Southboro, Mass.

## Royal Blue Orpingtons, Royal Blue Leghorns, Royal Blue Wyandottes and Barred Rocks

The best cockerel strain in America. I have the best lot of cocks, cockerels and pullets in Barred Rocks I ever raised. Send for particulars.

Haldie Nicholson : Leominster, Massachusetts

## NONPAREIL Barred Plymouth Rocks

Winners of Highest Awards at  
America's Leading Shows

Bred since 1883, they have won their way at the leading shows with unusual success. At New York, Boston, Philadelphia, Chicago, Cleveland, Toronto, etc., they have won over 1500 prizes, of which 294 were first prizes and shape and color specials.

### Exhibition and Breeding

birds for sale. We can supply you winners for any show, in cocks, hens, ckls. and pullets. Choice breeders from our best a specialty. Write us your wants. All correspondence and selection of birds is by our Mr. H. P. Schwab. We assure you absolute satisfaction. Special prices for next two months. Trios and pens mated for best results. Our mating list next Spring should interest you.

Schwab Bros., Box 452, Irondequoit, N. Y.



## VIERHELLER'S BUFF ROCKS

Special sale of last year's prize winning cocks and hens. This is your chance to get something good.  
VIERHELLER BROS. : 17 SYLVANIA AVENUE : PITTSBURG, PENNSYLVANIA

## ALLEN'S BUFF ROCKS

Win at Philadelphia, 1912, first cock, second cockerel, second hen, first and third pullet. Display, etc., at Williamsport, Pa. All five (5) first prizes. Eggs, 13 for \$5, 26 for \$8, 30 for \$10. Circular free. Mention A. P. J. R. F. ALLEN - SOUTH WILLIAMSPORT, PENNSYLVANIA

## ELM POULTRY YARDS AND STOCK FARM

HARTFORD, CONNECTICUT  
BREEDERS, EXHIBITORS, EXPORTERS AND IMPORTERS. America's largest winners. Catalog on request

## 150 S. C. RED COCKERELS

For sale at very low prices. My birds win wherever shown and I will please you or give your money back. Special prices on a few trios. Write me today. : : T. Mendenhall, Ridgefarm, Illinois

## S. C. BUFF LEGHORNS

OLDEST FLOCK OF BUFF LEGHORNS IN AMERICA

Prize winners at leading shows and fairs. One hundred for sale. Quality right; price right. Columbian Rocks—Big lusty long bodied cockerels for sale. Also some choice year-old hens and a few pullets. Prize takers. They please everybody. Mention American Poultry Journal when writing.

J. QUINCY DAWSON : : : COSHOCTON, OHIO

## BARGAINS IN COCKERELS

Bred from winners at many strong competition shows. Book your egg orders early. Good color and laying quality. Please mention American Poultry Journal when writing.

FRED H. MEYER : 2607-09 BROADWAY : FORT WAYNE, INDIANA

Galvanized  
Steel



## Lice-Proof Nests

HAPPY HENS EARN BIG PROFITS

Keep your hens happy and laying by keeping them free from profit killing lice and mites. Equip your laying houses with

KNUDSON Galvanized Steel LICE PROOF NESTS

These wonderful, sanitary, patented nests can't get out of order, last a life time and cost their cost many times over. Regular price, \$3.50, set 6 nests—special introductory price, \$3.50; 3 sets, 18 nests, \$10. Write for our free catalog, Galvanized Steel Brood Coops with Runs, Chicken Feeders, etc. KNUDSON MANUFACTURING CO., Box 470, ST. JOSEPH, MO.

## RHODE ISLAND REDS

At the great Brockton Fair, Oct., 1912, we won 1st chl. color special, 2d cock shape special. Also 2d R. C. cock, 3d hen, 5th pullet and 3d pen. On Pekin, Rouen and I. R. ducks we won 49 regular and special prizes, including gold special for best display of Pekin ducks. We have breeding and exhibition stock for sale in all varieties. Write us just what you want and we will be pleased to quote you prices.

White Birch Poultry Farm, W. H. Withington, Mgr., 555 Union St., Bridgewater, Mas

EGGS FOR HATCHING — EGGS FOR HATCHING  
AND CLOVERNOOK'S

## WHITE HOLLAND TURKEYS

White African Guineas, White Japanese Silksis and Wissahickon White Wyandottes—Great birds, great layers, great hatches. Great bargains in non-related stock. Choice Pekin Ducks. Write for prices. Also fine Strawberry plants, "The Clovernook Beauty." Mention American Poultry Journal.

Miss Frances E. Wheeler : : Chazy, New York

## BLACK LANGSHANS & INDIAN RUNNER DUCKS

Brookfield Farm birds are Maryland's beauty and quality strain. They have been winning regularly at Baltimore, Allentown, Hanover, Hagerstown, etc., and have proven their worth as well for practical purposes.

Black Langshans—Have won first cockerel at Hagerstown two years. My 1912 champion was pronounced one of the best ever shown. Shape, size and sound color are features. For all purposes there is no better bird bred. They are hardy and great layers.

Indian Runner Ducks—Have made a sweeping record with these in the best of classes. My drake "Edward" has an unbeaten record at six great shows. Let me know your wants in either of above for exhibition or choice breeding quality. Pairs, trios and pens properly mated. Selected breeding cockerels a specialty. Satisfaction assured. Prices right. Mention American Poultry Journal when writing. Address

Mrs. F. Littlefield, Box A, Middleburg, Maryland

## SILVER SPANGLED HAMBURG

Quality the best. Prices reasonable.  
H. F. ALBERDING, NO. JUDSON, IND.

## ORPINGTONS

Buff, Black and White

Late Sewickley Show, 11 entrees, won eight firsts, two seconds, one third. 2,000 to select from. Send for my sales sheet.

Sandy Lick Poultry Farm, 966 Liberty Ave., Pittsburg Pa., L. O. Kettering, Prop. J.W. McGinnis, Mrg.

## SITES'

BLACK WYANDOTTES

Winners at Madison Square Garden, New York, Cleveland, etc. Stock for sale. Eggs in season.

Frank C. Sites, Box A, North Dover, Ohio

*Amatite* Roofing

Mineral Surfaced. Needs No Painting  
BARRETT MFG. CO.  
NEW YORK - - - CHICAGO

LEITNER'S SINGLE COMB BUFF

## LEGHORNS

Will please you. Have some very choice exhibition birds now ready for delivery. Write now for prices.

Chris H. Leitner, R. 4, Box 801, Elgin, Illinois, U.S.A.

TREHAWAY'S ANTHRACITE STRAIN

## S. C. Black Minorcas

are already winning for his customers at the big Fall Shows. Can furnish you winner now or for winter shows. Every bird sold on approval.

ARTHUR TREHAWAY  
45 Parrish St., Wilkes Barre, Pa



The Chicago  
POULTRY  
Dry Mash  
Hopper

is all galvanized iron, is non-waste, rat, sparrow and wind proof Hoppers. Price \$4.50 to \$6.50. Send for free folder.

GEO. L. POH  
2160 Lincoln Ave., CHICAGO

## WORLD'S BEST ORPINGTONS

3,000 YOUNG AND OLD BIRDS TO GO.  
White, Buff and Black. Winners at America's best shows. Catalogue.

J. S. Haupt, Box 96, Easton, Pennsylvania

## A Positive Necessity Carter's Green Food Feeder



Cabbage, Beets, Clover, etc., cap. ½ bu. Can't injure head or comb. Green food thrown on floor or in pans is half wasted, gets foul and spreads disease. Place my Feeders in your houses this winter, fill with Green Food and see the hens hustle.

Price 48c. each. \$4.75 per dozen delivered to you. Guaranteed satisfactory or money refunded.

A. Q. CARTER  
Freeport, - Maine  
Pat. Applied for. Agents Wanted



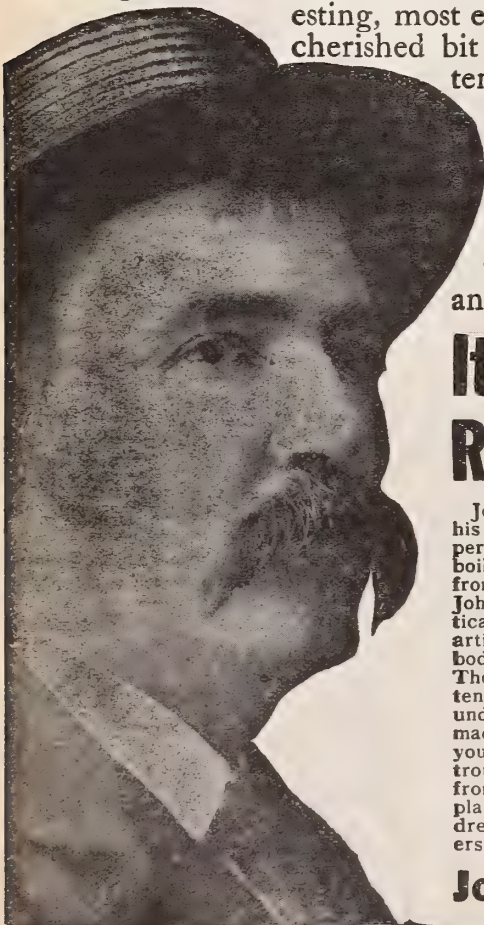
# "M. M. JOHNSON Engineer At The Mill Makes Incubators"

## This Was Johnson's First Ad

It is all told about in this free book, along with many other experiences and facts that will show you how to make the most money in the poultry business.



The Old Trusty Book for 1913 is ready. Folks who have read previous Old Trusty Books don't need to know more—they will send at once for the new edition. Every chapter is worth real money to every poultry raiser. The "Ups and Downs of an Inventor" is the most interesting, most entertaining and most cherished bit of history ever written about incubators and poultry. The whole book is home written, home made and home printed. It is plain and practical—contains the facts learned in 17 years of experience during which time Johnson has made and sold over 400,000 incubators and received more than a million letters from his customers.



## It's a Book that Will Help You—Tells Real Facts—Contains No Theories

Johnson landed in Clay Center with 65c in his pocket. Went to work in a mill for \$1.50 per day. Made incubators in spare time in boiler room. Old Trusty was a big success from the beginning. Neighbors all wanted it. Johnson smashed a lot of old ideas by practical, sensible demonstrations. Soon made artificial hatching popular and easy for everybody. Kept quality up and price down always. The facts are all told in the book. It is written in a simple way—easy to read and easy to understand. It tells how the Old Trusty is made and why it is made that way. It shows you a lot of ways to save money, and prevent trouble. It tells how to make a success right from the start without experimenting. It is plain and honest throughout. Shows hundreds of actual photographs sent in by owners of Old Trusty incubators—gives their

names and addresses so you can write to them. Contains no guesses or theories. Every page is a sane, sensible sermon that will make you a better poultry raiser. You ought to read the Old Trusty Book. It is sent free to all who write for it. If you don't order an Old Trusty it won't make me feel bad. But nine out of twelve people who ask for my book buy the Old Trusty. That's because they are convinced of Old Trusty supremacy and I let them prove it at my risk. On next page you will find some reasons why the Old Trusty is such a good incubator and why it costs you less than \$10. But write me that postal now or send the coupon on next page. When you get the book—if you read it and say it didn't help you—return it and I will pay you the postage and for your time. Address

**Johnson—Incubator Man, Clay Center, Neb.**



# OLD TRUSTY

**The Incubator  
That Gives You  
The Most For  
Your Money**

You can pay any price you like for an incubator. The Old Trusty is made of the best materials by my big family of factory employes. It is made for folks who want the best and are willing to pay a reasonable price to get the best. I could cut my price down to \$6.99—sell twice as many incubators and make more profit on each—if I wanted to skimp on materials and workmanship. The Old Trusty is built to hatch eggs successfully for as long as you will want it. Read this brief description. The whole story is in the Old Trusty Book—free.



**1913  
PRICE  
LESS  
THAN \$10**

**Freight  
Prepaid  
East of  
Rockies—  
That Far If You  
Live Beyond**

## How It Is Made

Case—clear California redwood—powder-dry, without check, warp or knot in a thousand feet of it—no odor—heat and moisture do not affect it. Covered with first grade genuine asbestos, then covered with handsome galvanized sheet metal—making it the strongest, most substantial and most practical incubator case ever constructed. Made the same all over, top, bottom, sides and all—not skimmed on the bottom.

Johnson's patented heating system is so simple that folks are surprised it wasn't thought of sooner. Heated water is discharged into main pipes at end opposite lamp—pipes made just the right size so that every part of the egg tray gets the same even degree of heat. Tank made of pure, heavy copper with crimped joints that don't leak—tested 30 pounds to square inch to keep defective tanks from leaving factory.

Regulator that makes all others look complicated and unreliable. Double wafer—out of the way when moving trays. Single adjusting nut sets it. When once right it stays right. No levers, or other "do-dads" to bind and get out of order or spoil the hatch. Top of incubator is clear—can use it to rest trays on when turning eggs.

I use the Edward Miller Sun-Hinge Burner because I have never made a better one and no one else has. Don't let any "special" burner influence you. I also use absolutely the most accurate thermometer made. It is guaranteed by the manufacturers and by me. I have seen cheaper thermometers that were wrong as much as seven degrees. That's why I make sure of accuracy by using the best. A good lamp and good thermometer cost more but they mean success and success is worth the slight extra cost.

Every part of the Old Trusty is made in the most careful way, of the best materials. Honest all through—just as Abraham Lincoln would make it if he were my partner in business. We make good machines and tell the truth about them even if we don't know how to use flowery language. Don't you want the Old Trusty Book? Mail the coupon or postal now.

## Over 400,000 People Are Making Money With The Incubators Johnson Built

Johnson's incubator has been on trial over 400,000 times. And it has made good. Think of it. 400,000 people, in every climate, in all parts of the country and under all sorts of conditions—have each made a success with the Old Trusty. Even boys and girls do it. Don't you think you can do it? Don't you think the Old Trusty is the incubator you want—the incubator that will make the most money for you? You take no risk in proving it. I give you

## 30 to 90 Days Free Trial 10 Year Guarantee

That is the basis on which all Old Trusty incubators are sold. If you can't make a success with it I would much rather send your money back to you than have you disappointed. No one can say that Johnson ever gave anything except a fair, square deal. Send in the coupon or just a postal for 1913 Old Trusty book, and read the whole story. Write now.

**Johnson, Incubator Man  
Clay Center, Neb.**

**SEND THIS NOW FOR FREE BOOK!**  
Johnson—Incubator Man, Clay Center, Neb.  
Send me the 1913 Old Trusty Book—Free.  
Name.....  
Address.....  
State.....  
R. F. D.....  
27837



## And Again Fairview White Rocks Win...

At the great Chicago Coliseum Show, in a class conceded by judges, breeders and critics to be the keenest competition ever brought together in White Rocks, either East or West, they won

### 1st and 3d Pen, 1st and Championship Hen, 5th Ckl.

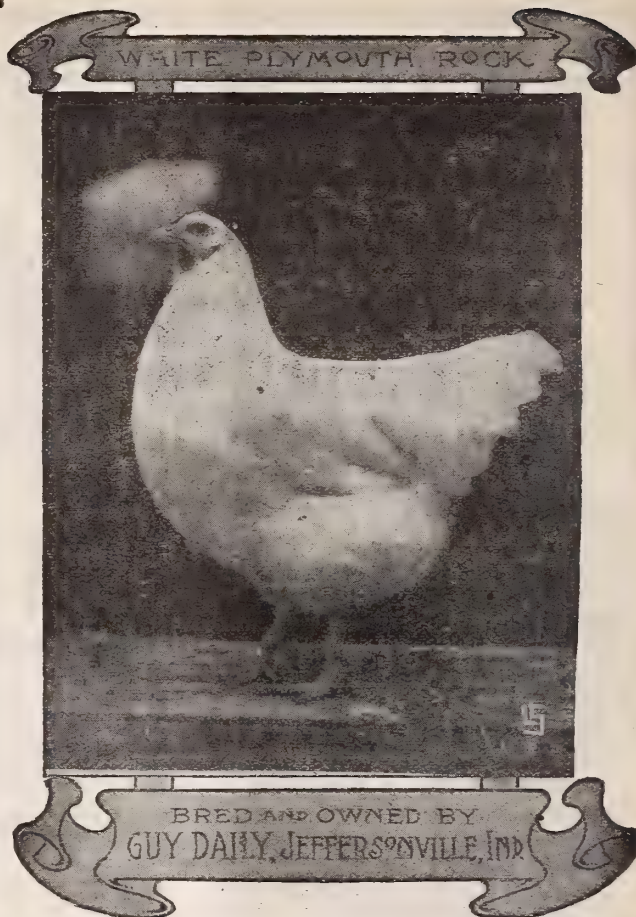
For years the White Rock class at this show has been conceded to be the largest and best ever brought together. This year the competition was keener than ever before; Owen Farms and many other noted breeders being there. In fact the very best in the country was there—

### AND STILL

Fairview White Rocks were awarded grand championship on hen and 1st and 3d pen, the most coveted prizes in the show.

You can't get better stock, no matter what you pay. My prices are reasonable and I will treat you right. All stock sold on an absolute guarantee. Booking egg orders now. Ten cents will bring beautiful catalogue. Write today.

**GUY DAILY**  
BOX A : : JEFFERSONVILLE, INDIANA



First Hen, Kentucky State Fair, September, 1911

## LAMBERT'S DEATH TO LICE

**INSURES CLEAN FOWLS  
AND LARGER PROFITS**

**WHEN** hens are lousy you can't expect them to pay for their keep—the profit goes to the louse. Look over the situation and see just how you stand on this proposition. Do not deceive yourself by thinking that your birds have no lice, for these torments are ever on the alert and are no respectors of fowls or places. Know the truth and let us put you wise as regards the efficacy of

## THE OLD RELIABLE LAMBERT'S DEATH TO LICE

This Powder has been used by Professional and Amateur Poultry keepers for 30 years because they have found it not only the best Remedy for body lice on laying hens and exhibition stock, but because it is just the thing for sitters, to make them sit contentedly so that they will bring off a healthy brood. It is **Sure Death to Lice** and does not injure eggs, hens or chicks nor soil the plumage. It is also an excellent Disinfectant and Deodorizer. No hens can be profitable and neither can the youngsters thrive when infested with these pests. Use Lambert's Death to Lice Powder on the hens and Ointment for the head lice on the little chicks and they will save you many dollars. A 10c box from your Dealer or Druggist will quickly convince you. 15 ozs., 25c; 48 ozs., 50c; 100 ozs., \$1.00. Or send direct and include a 2c stamp for copy of Pocketbook of Pointers, containing the article on "The Relationship Between Fancy and Utility Poultry Keeping" by D. J. Lambert. Address

**O. K. STOCK FOOD CO., Mfrs.,**  
**500 TRADERS BLDG. CHICAGO, ILLINOIS**





After having perfected the "Great Darlington Strain" of Single Comb White Leghorns, I naturally looked around for "new worlds to conquer."

I thought if I could only make the Sphinx speak I would leave this world my debtor. As I have hardly time to attend my own funeral, I had to act through agents. Let us pause a moment (in fact, "two paws" is more proper). There this "Great Mystery" has stood ever since 2800 B. C. and never uttered one word (what qualities in a wife). He saw the first peach basket; he noted well its size; he also saw the last. "What a falling off was there, my countrymen." (Another pause is proper.)

He was placed there by Chephren; many of you never met him. I have just received the following message by wireless: "The mystery is solved; the Sphinx has spoken; weigh well his words." The message, of course, was not in good "United States," from the fact that when the Sphinx learned his A B C's our language was in rather a crude state. The message was at once forwarded to the "Department of Biblical Research."

It was an easy matter to decipher the words "Don't Be a Clam," but there were four other signs; what could they mean? One professor (he always gets his birds at Darlington), wiser than the others—or dumber—suggested that "the darn thing stuttered." Now, every schoolboy knows that stuttering was not invented until the reign of Peter the Great; it came in with the Russian proper names. The mysery was finally solved by a little child running through the room crying, "I want my Mummy!"

What an illustration of the beautiful words, "A little child shall lead them." (Another pause, possibly two.)

There was the whole message: "Don't be a clam; I want my mummy!" The rest of my life shall be devoted to carrying out the last wishes of my dear departed friend, around whose knees I have so often played, an innocent (?) little boy.

I will search every museum until I find his "Mummy;" failing in that, his "Mummy-in-law." I will place her between his paws with this inscription, "Hic Jacet."

Centuries later some one will dig this out and wonder "what in the name of Caesar's ghost that fool meant." Does that mean me? There is food for thought.

## Darlington Egg Farm

—ALFRED P. EDGE—

Box B : : Darlington, Maryland



# Rhode Island Reds

## Chicago, 1912

In what was conceded to be the best show of **Rose Comb Rhode Island Reds** ever held in America, we won the leading prizes, the total winning being 70 points; our nearest competitor winning only 28 points. The total winning of our next three competitors combined being only 68 points. We won as follows:

**1, 2, 3 Cock    1, 2 Old Pens    3 Cockerel  
                   2 Hen    3 Young Pen  
 \$50.00 Silver Cup for the Best Display  
 Championship Male, 83 Males Competing**

On the last day of the show we purchased the entire flock of Owen Farms. Bill of Sale below:

### TO WHOM IT MAY CONCERN:

This is to certify that we have this day sold to the Buschmann-Pierce Red Farms our entire flock of R. C. Rhode Island Reds, including all our winners and selected breeders, among the winners being 1st cock, 2d hen and 1st pen at Madison Square Garden, Dec. 1911, the cock that won 3d at New York, 1911, also 1st Nashville and Memphis, 1912, and the 1st Memphis cockerel, 1912. This flock is one of the finest in America, and added to their already great flock will make them unbeatable.

(Signed) OWEN FARMS  
 Maurice F. Delano, Mgr.

We have our pens now mated for the egg trade. Book your orders for eggs from the greatest matings ever put together for this breed.

**Our Beautiful Catalog** of 64 pages and cover contains many articles on raising and caring for poultry in large and small flocks. It will also tell you why the Rhode Island Red is the best breed in the world. This catalog has cost us a great deal to prepare and is too costly to send out promiscuously. We will send this postpaid for 20c in cash or stamps. Address all mail to

## Buschmann-Pierce Red Farms

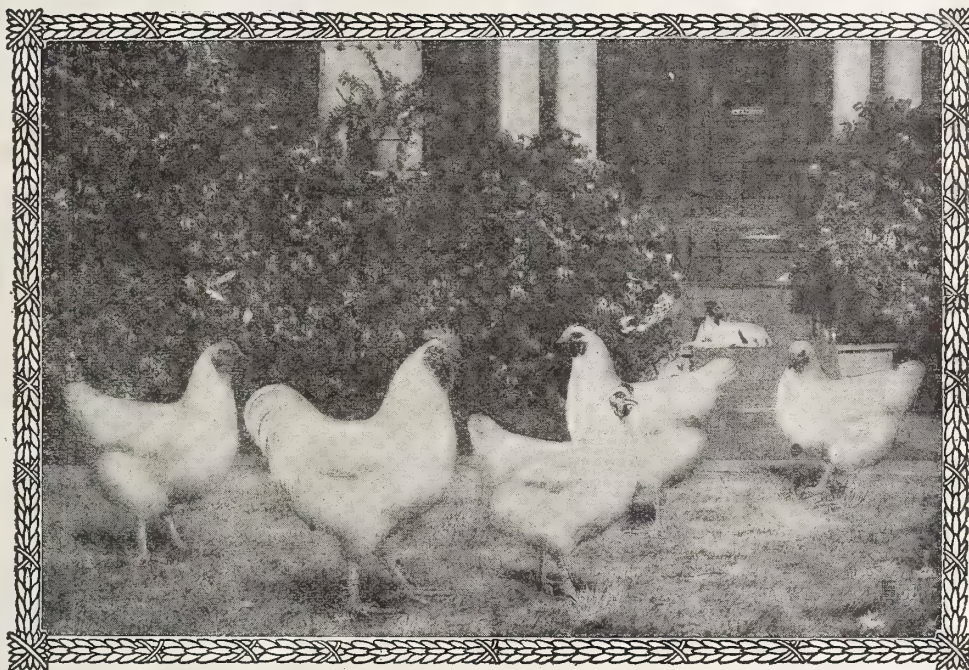
ROSE AND SINGLE COMB RHODE ISLAND REDS

**W. C. Pierce, Gen'l Manager      Box 39, Carmel, Indiana**



# MOST POPULAR FOWL

## T-O-D-A-Y



is the fowl that ever since its first introduction has proven to be the BEST EGG PRODUCER, the BEST TABLE FOWL in fact the BEST GENERAL PURPOSE FOWL ever bred. You have all these essential qualities in

### U. R. Fishel's White Plymouth Rocks

Bred in line for the past twenty years for egg production as well as Standard Requirements. Our WINNINGS AT 22 LARGEST SHOWS and 5 INTERNATIONAL EXPOSITIONS proves without a doubt their superiority in every way and concedes their claim of

### "The Best in the World"

At no time since we have bred Fancy Poultry have we been in as good shape to take care of your order as we are at this time. SELECTED BREEDERS of the choicest quality with BLOOD LINES behind them that no other White Rock breeder can give you. Over 1000 SELECTED COCKERELS that will stamp that Fishel Quality on your flock. EXHIBITION BIRDS good enough to win anywhere and at prices you can afford to pay. Our birds this season in the hands of our customers have WON MORE PRIZES than all other Strains of White Rocks combined. UTILITY FOWLS in any numbers, STRONG VIGOROUS farm reared birds that have the vitality to stand confinement and at the same time give you the very best of results in egg production. No fowl will do as well in Philo Coops as the Fishel White Plymouth Rocks.

SEND 25 CENTS FOR 64 PAGE CATALOG, the MOST INSTRUCTIVE POULTRY CATALOG EVER ISSUED. This book tells how to start right in the poultry business; how to feed for eggs, etc. Worth dollars to any one.

#### EGGS FOR HATCHING

Select Matings, \$10 per 15 : Sale Stock Eggs, \$10 per 100, \$6 per 50

#### BABY CHICKS

\$25.00 per 100 : \$15.00 per 50 : \$8.00 per 25

U. R. FISHEL

--

BOX A

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HOPE, INDIANA



# USE LESS FEED

Get more eggs explained in free booklet, "What and How to Feed." Simplex Supply House, Pontiac Building, Chicago, Illinois

## PAGEL'S NON-FREEZING DRINKING FOUNTAINS



The only non-freezing fountain on the market without the use of lamps or valves. Simply fill with warm water once every 24 hours. So constructed the water will remain warm.

### Pagel's Non-Clog Economy Dry Feed Hopper

**Saves the Feed : Increases Egg Production**

Two of the simplest, handiest and most useful poultry appliances made. Warm water in Winter. Feed when nature demands. Use our poultry and louse powder for best results. Inquire at your local dealer, or write to us for prices and descriptive literature. We guarantee every article in our line to be absolutely as represented.

Pagel Poultry Supply Co., Manufacturers, Lock Box 211, Rockford, Illinois



## 300 RANGE RAISED COCKERELS

Authorities say the male is three-fourths of your flock. Then our strong-vigorous line bred cockerels will increase the egg laying tendency of your 1913 crop of pullets at least 33 1/3 per cent where your present hens are laying less than 10 per cent. Use laying bred males for laying females from now on and get eggs when the day is done. Many of these will win to fast company. Prices right. We need the room.

**LUCAS FARM : ROBT. S. LUCAS, PROP. : DOWNERS GROVE, ILL.**  
JOHN L. WADDELL, MGR.

## Norwich Automatic Exercisers and Feeders

Installed in all of your breeding pens this Winter, will keep your breeders hustling from morning till night, and will compel them to lay more eggs, and stronger eggs, eggs that will hatch more livable chicks than ever before. They will cut your feed bills at least 25 per cent, and reduce your labor bills to merely filling the hoppers once a week. "The chickens will do the rest." They are all sold on thirty days' free trial, by responsible dealers everywhere, or shipped direct from Toledo, Ohio. Write today for free booklet describing them, and the name of your nearest dealer. **Notice to Poultry Supply Dealers**—We still have some choice territory open, and would like to hear from wide-awake dealers. Exclusive sale given to the right parties. Address

**River Home Poultry Yards : 820 Monroe Street : Toledo, Ohio**  
**BREEDERS OF EXHIBITION QUALITY "LIGHT BRAHMAS" EXCLUSIVELY**

## BARRED ROCK HEADQUARTERS

**HOME OF THE FAMOUS "HOOSIER STRAIN"**

The strain that is making current history. Note these WONDERFUL RECORDS: Great Mid-West Show, Chicago, December, 1911, first prize cock. National Fanciers' Club Show, Indianapolis, January, 1912, first and second cock, first and second hen, first and second pullet, second cockerel and first pen. Every bird entered winning either first or second except one. Indiana Fanciers' Association Show, February, 1912, first and fourth pullet with two entries; silver cup for best colored female.

At the great Fort Wayne Show, where some of the best are bred, birds of our breeding have won three times as many first prizes as the combined winnings of all competitors during the last five years.

1,000 COCKS, HENS, COCKERELS and PULLETS FOR SALE—the best lot of stock our twenty years breeding this variety has yet produced. We are conditioning and rounding into shape a fine lot of SHOW BIRDS and will sell you GUARANTEED WINNERS for any show, large or small, at reasonable prices. Also high-class breeders to produce winners, mated by an expert. Utility birds bred from heavy layers. No matter what your requirements may be, write to HEADQUARTERS, we have it. Our prices are no more than others ask for birds of inferior quality and all stock is shipped **subject to approval**.

All stock is grown on unlimited range and possesses GREAT STAMINA and VIGOR found only in the "HOOSIER STRAIN."

**G. EARL HOOVER, ROUTE 24, MATTHEWS, INDIANA**



# My X-Ray Incubator Uses Only 1 Gallon of Oil for a Hatch

and Requires only 1 Filling of the Lamp

Greatest incubator ever put on the market. Built totally different from other old-style machines. Has large oil lamp (4-to-8 quart capacity) *underneath*—square in the center—*not* on the side. This is only right *principle* of construction. Why? Gives an absolutely even heat in egg-chamber *all the time*. No cold sides—no draughts. Always proper hatching temperature. Fill lamps just once—then forget it till *next* hatch.

You  
Can  
Save!  
75c to  
\$1.25 on  
Every  
Hatch



Other Incubators Use 5 Gallons of  
Oil (too costly!) and Lamp Has to be  
Filled Every Single Day

My patented automatic trip—an exclusive X-Ray feature—cuts down flame *at burner*, so there's no *excess* heat—no smoke, no smell—*absolutely no waste!* My X-Ray Regulator is purely *automatic*—takes care of itself—relieves

you of all responsibility. You never have to touch the regulator of my X-Ray; it's automatic; it's the most perfect heat regulating device ever invented.

My heater being centrally located (underneath) conveys equally a direct heat from the lamp into every part of the egg-chamber. Door of my X-Ray is on top—where there are two double-glass panels through which you can see the thermometer at any time, without raising lid and chilling eggs. To ventilate or turn eggs, simply raise lid. Eggs are never taken out of X-Ray.

**Shipped Direct from X-Ray Factory  
To You—No Agents—No Dealers—  
Guaranteed to Please—Freight Prepaid**

To use my X-Ray means less egg-handling, less oil, less heat generated, absolutely no waste, no filling of lamp during hatch, no fumes, no danger of "cooking" eggs—but an even heat always over the **WHOLE** egg-chamber. My X-Ray weighs  $\frac{1}{4}$  to  $\frac{1}{2}$  less than the old-style machines of same egg capacity. I, personally, guarantee it to please you—to give you the biggest and best hatches you ever had. Anyone can be successful with my X-Ray—it is so simple. It is neatest, cleanest, most beautiful incubator made. Women everywhere prefer it—often placing it in their houses, it is so attractive.

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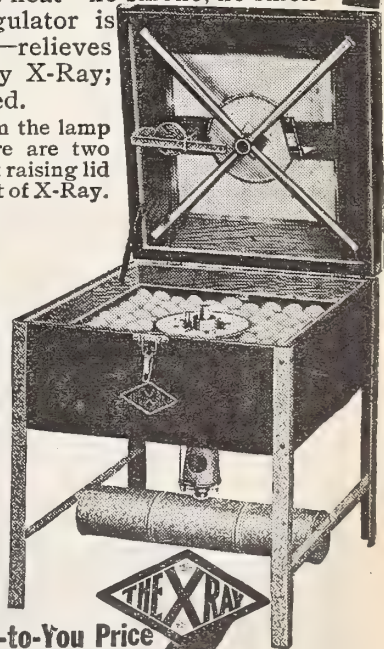
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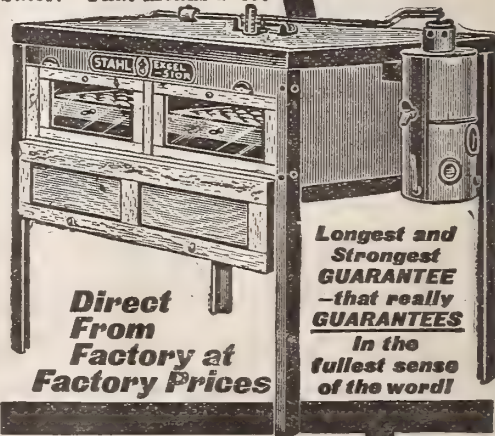
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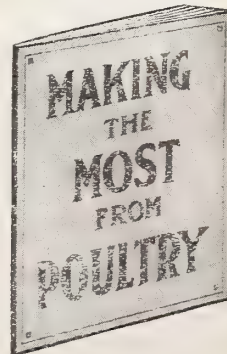
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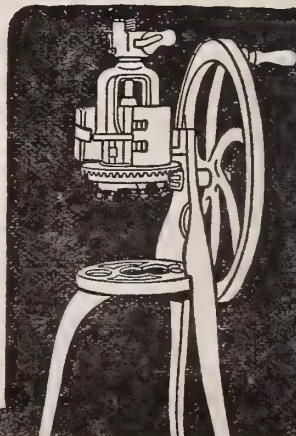
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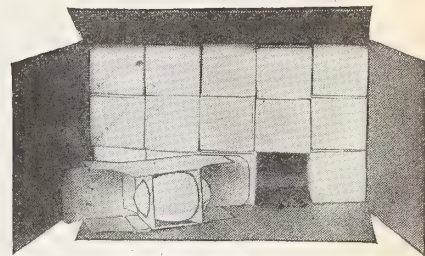
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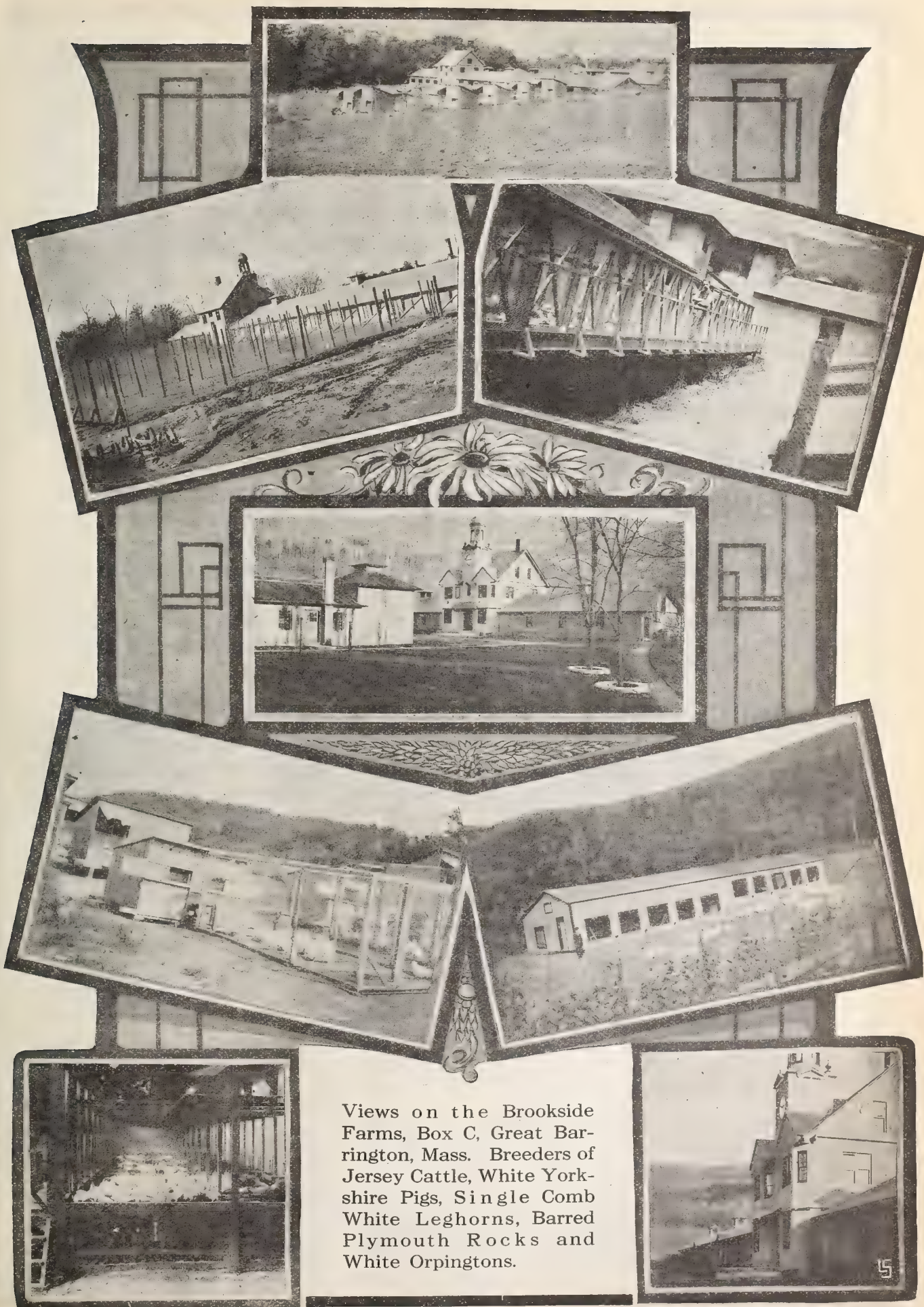
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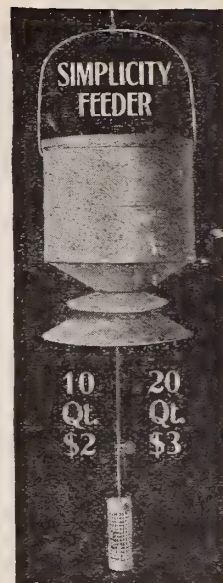
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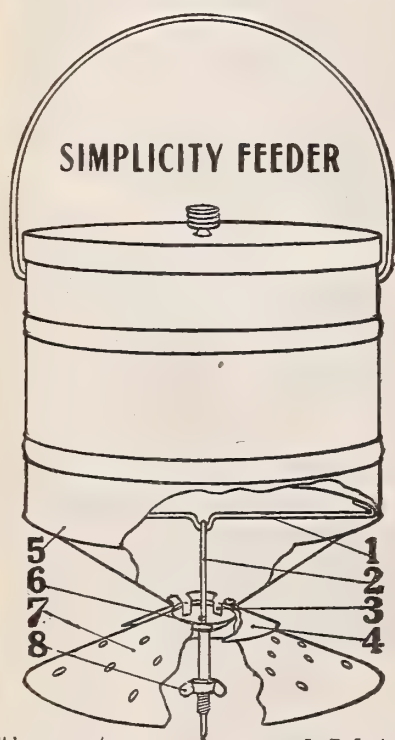
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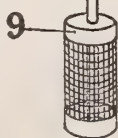
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# AMERICAN POULTRY JOURNAL

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Chicago, Ill., January, 1913

No. 1

## Starting a Practical Poultry Plant

The Story of Wozelma Farms' First Year and the American Poultry Journal Experiment Station.

By Prince T. Woods, M. D.



ON MANY OCCASIONS we have been called upon to tell others what to do about starting a poultry plant, and the advice from time to time has been duly recorded in various poultry journals. The time, the place, and the man, all have an important bearing on what should be done in making a start. When we finally came to starting a new farm of our own we did things differently from the way we had planned them, and just like "Topsy" of the old "Uncle Tom" days, our plans "weren't borned" but "just grew."

Although for many years closely associated with poultry work it was not until we became identified with American Poultry Journal that we felt we could safely anchor in a permanent home. Up to that time, two years ago, business had kept our home pretty much on the move. When we took up A. P. J. work it was decided that it would be desirable to have the managing editor of A. P. J. located on an Eastern Massachusetts farm in touch with several other farms which could be made use of for experimental work and investigation.

With this plan in view we began a search for a farm within our means that would be suitable for poultry, not too far distant from our friends who were doing some experimental work for us, and that might also be used for sanitarium purposes if desired. After three months' search and careful consideration of many places we finally bought The Anchorage Farm, an attractive but run down old farm of about 70 acres, at Silver Lake, Mass., within half a mile of the Plympton Station. It was attractive and homey, had a water frontage of about 1,850 feet and we were so pleased with it that we bought it at first sight, taking only sufficient time to make a search of the title. All other places had been ransacked from cellar to garret and discussed until given up, but The Anchorage was first seen on the 10th of March, 1911, and a payment made that day to bind the bargain, the sale completed on St. Patrick's Day, and by the first of April we had moved in and begun to feel as if we had always lived here.

The first few months on the farm taught us a lot of things about Plymouth County and the inhabitants of our new home town, Kingston, that we had never known or experienced before. Among other things we found that in Massachusetts when a man makes improvements, repairs buildings and builds others to the extent of "changing the appearance of the premises," he technically commits "waste and strip" of the premises if an unscrupulous mortgagee chooses to make a fuss, and in our case building a new barn, a new poultry house, cutting down some sick trees that were damaging others, and making some repairs was made a ground for an attempt to foreclose the mortgage on complaint of "waste and strip." Result, we had to hustle about and pay off the mortgage and the inroad into our capital was such that it revolutionized all our plans. We decided that nothing but a clear title would do for us and that we would have no more of mortgages, in this county at any rate. This experience is mentioned because it taught us something we had not believed possible and it may help

some one not so fortunately situated as ourselves to avoid like complications. Never make any change of any kind on premises which are mortgaged without first getting permission in writing from the mortgagee, is a good rule to follow in this state, and perhaps in others as well.

Moving on to a practically abandoned farm in April brings one into a big bunch of many kinds of work all at once. There was no poultry house, no poultry equipment; the old barn was not available for use and of the new barn there was only an abandoned frame and roof. We had arranged to have 200 day-old chicks of a laying strain, well known to us, delivered the latter part of April. When they came they had to go into three fireless brooders made of corrugated paper-board which were run in a packing box. The day the chicks arrived we had a cold snow storm and the little White Plymouth Rocks reached us cold and wet, with the shipping box cover broken in. The first few days they were brooded in the kitchen, then they and their brood boxes were banished to out of doors to grow up as open-air chicks should.

Fig. 1 shows this little flock of White Rocks and their three paper-board brooders enclosed in a board run in front of the unfinished barn and a little of packing crates, just as they were when placed out of doors the last of April, 1911. This was the nucleus from which the Wozelma Farms' White Plymouth Rocks have been developed. These brooders were placed in an old piano box and kept there, with a fenced in run provided, until the chicks no longer needed brooders. Then the chicks had the piano box for a home until they outgrew it and had to have another box alongside. The greater part of the front of the boxes were closed only by cellar window netting—they were fresh-air chicks from the start and we raised practically all of them but five or six. After eating a number as broilers and small roasters, we rounded up 175 matured chickens when ready to house them in a 20x20 ft. Woods' open-front house early in the fall of 1911.

In addition to the White Rocks we were interested in some Buff Wyandottes of a strain which we had bred for a number of years, and in some exceptionally productive Rhode Island Reds. These fowls were on an Essex County farm where they had been bred, housed and fed according to our plan. During our first summer at The Anchorage we hatched a number of eggs from these Buff Wyandottes, but were unfortunate enough to have some of the most promising birds stolen. However, we saved enough good cockerels and pullets to keep the strain going. In the fall of 1911 the round up totalled us some 40 Buff Wyandotte pullets and 100 prime White Rock pullets. The Reds we did not bring home because we had no accommodations ready, though later in the winter we found room for a male and 20 females.

The farm became more attractive the more we knew it. Even the old run down land did not disappoint us, though we attempted very little farming, and yielded us some good truck and some exceptionally fine Country Gentleman sweet corn (from Burpee's seed). Fig. 2 shows nine ears of this corn taken at random from the field. This corn was grown on freshly turned sod on a worn out field at The Anchorage Farm, season of 1911, without any fertilizer or manure.

The labor problem bothered us a lot that first summer. We had little time to spare, good labor was almost impos-



sible to get. We tried one man after another without finding what we wanted, and had just about made up our minds to put off all plans for development until another spring. Then we had a visit from Prof. Stoneburn, then of Connecticut Agricultural College, Storrs, and he suggested that we try two of his students who would work for board and practical experience. We assented, with many misgivings, for we did not have any illusions about the value of student labor.

The young men came to The Anchorage early in the fall, liked the place and wanted to stay. They were willing and

48 acres of The Anchorage Farm on which to develop its poultry plant. Needing additional buildings, the opportunity being favorable, it also leased a 21-acre farm directly across the Forge Pond, on which The Anchorage Farm fronts. The company land was surveyed and a chart made of it, then plans were made for new breeding and laying houses arranged to admit of free range as soon as the land can be fenced in, and at the same time have the different varieties far enough apart to avoid all possible chance of crossing. The plan meant that at first there would be some incon-



Fig. 1. Two hundred White Plymouth Rock chicks, brooded in paper brooders in front of unfinished barn on The Anchorage Farm, Silver Lake, Mass. Dr. Woods had just moved on farm a short time before photo was taken, and packing crates are seen in background. These paper brooders were housed in a piano box. From this flock were raised 100 fine pullets and some exceptional males, which formed the nucleus of the present Wozelma Farms' flocks. Miss Dorothy Woods is tending the chicks. See "Starting a Practical Poultry Plant."

eager to learn. Both were enthusiastic about poultry and both were young men who were "able to take their medicine" when they made mistakes. By December they had made up their minds that they wanted to go into the poultry business and made us a proposition which resulted in the incorporation of the Wozelma Farms Producing Company, under Massachusetts laws, December 21, 1911. Dr. Prince

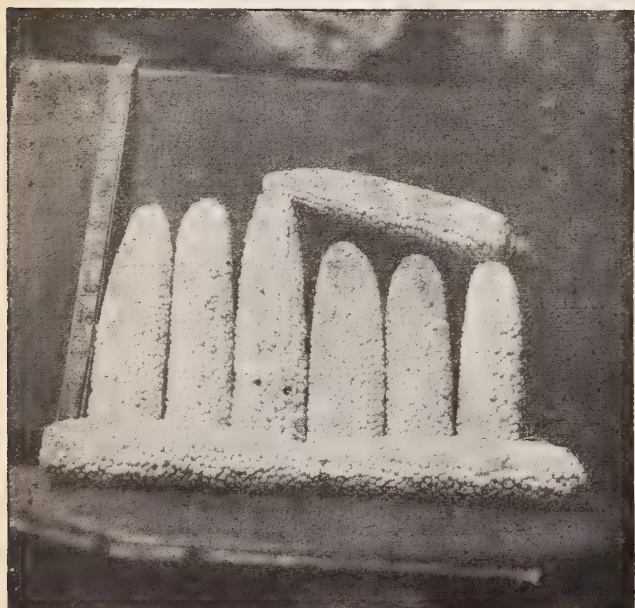


Fig. 2. Country Gentleman sweet corn, grown the first season at A. P. J. Experiment Station without use of fertilizer or manure. See article "Starting a Practical Poultry Plant."

T. Woods was made president and general manager; Ralph L. Mason, vice-president; John E. Zeller, treasurer; and H. T. Woods, secretary. Messrs. Woods, Zeller and Mason were elected directors of the new enterprise and a sufficiently broad charter was obtained to permit a wide range of business. The new company obtained its name from the first syllable of the name of each of the founders—WO-ZEL-MA. Wozelma Farms Producing Company purchased the west

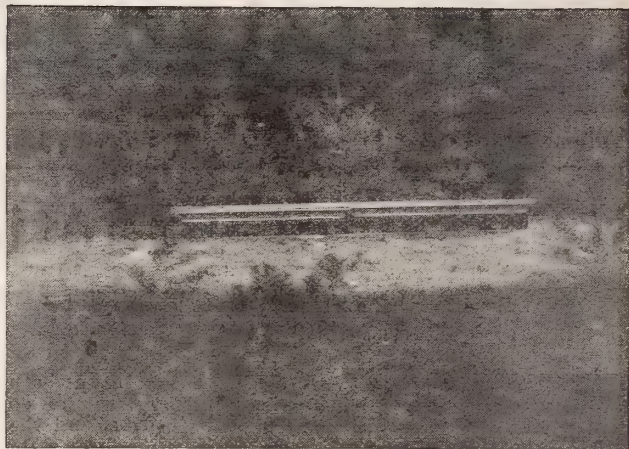


Fig. 3. A ten-hen capacity outdoor incubator used during spring of 1912 by Wozelma Farms Producing Company, Silver Lake, Mass. Three of these hatchers were used with great success. They were described in American Poultry Journal for June, 1912, pages 1077-78.

venience in handling the flocks, but as capacity increases and new houses go up, with the improvements that are projected, it is expected to have a very conveniently workable practical plant. It seemed worth while to sacrifice a little present convenience for future benefit; how the plan works we will be able to tell better when it is more fully worked out.

The company land is mostly woodland and was covered with oaks, pines and maples that had been undisturbed for 35 years or more. A good deal of the timber was sold, but there still remain many large trees and an abundance of small ones. It will take a long time to clear this land and park it as planned and in the meanwhile the poultry is thriving and paying the bills. During the summer of 1912



Fig. 4. John E. Zeller tending Wigwam Brooders in the snow at Wozelma Farms, Silver Lake, Mass., March, 1912. See "Starting a Practical Poultry Plant."

eight 20x20 ft. Woods' open-front houses were built on this Wozelma Farm at a cost of about \$115 each, including lumber, labor and filling in with gravel. At first a carpenter was engaged, day labor, to build the first house, but this proved so unsatisfactory that Messrs. Zeller and Mason undertook to direct the house building on alternate days and we hired two young men at \$50 per month, working a nine hour day six days a week, to complete our building operations. This plan worked out well.

Not having any incubator cellar or brooder house we built a small building over an old cellar on The Anchorage, used the cellar for incubators and the house for cold



brooders. Needing other brooding equipment we purchased 20 Wigwam Outdoor Brooders and placed these on a somewhat windy southerly slope.

We added to our 100 White Rock pullets a few purchased birds of known quality. Bought some 500 day-old chicks and some partly grown. These purchased chicks were for the most part marketed as broilers and roasters.

From the Essex County farm, previously mentioned, we secured eggs and chicks from the best stock of S. C. Rhode Island Reds on the place and that we had known for years as producers of fine large eggs. From our own incubators we hatched all the chicks our brooders would take care of and held overflow parties in fireless brooders and improvised brooding boxes. The chicks had abundant range and thrived well. The mortality, except in a few experimental

home breeding stock. Less than a ton of chick food was bought. All the rest of the chick food for the entire season was mixed and ground on the farm. We found fresh ground chick food made better and bigger chicks faster than we could get them in any other way. We bought the whole grains, the best we could get, mixed them by hand and ground them in a hand mill at first. Then when folks saw our chicks they wanted to know what we fed and we began to experience a demand for our home foods. If you want to know what it is like to grind a hundred pounds of chick food by hand in an Enterprise mill and then screen it, ask our Mr. Zeller. His graphic descriptions of the process convinced us of the immediate need of a power grinder and a gasoline engine. Now we have fitted up a 7 h.p. Root and Vandervoort gasoline engine, a No. 40 Stover grinder and an

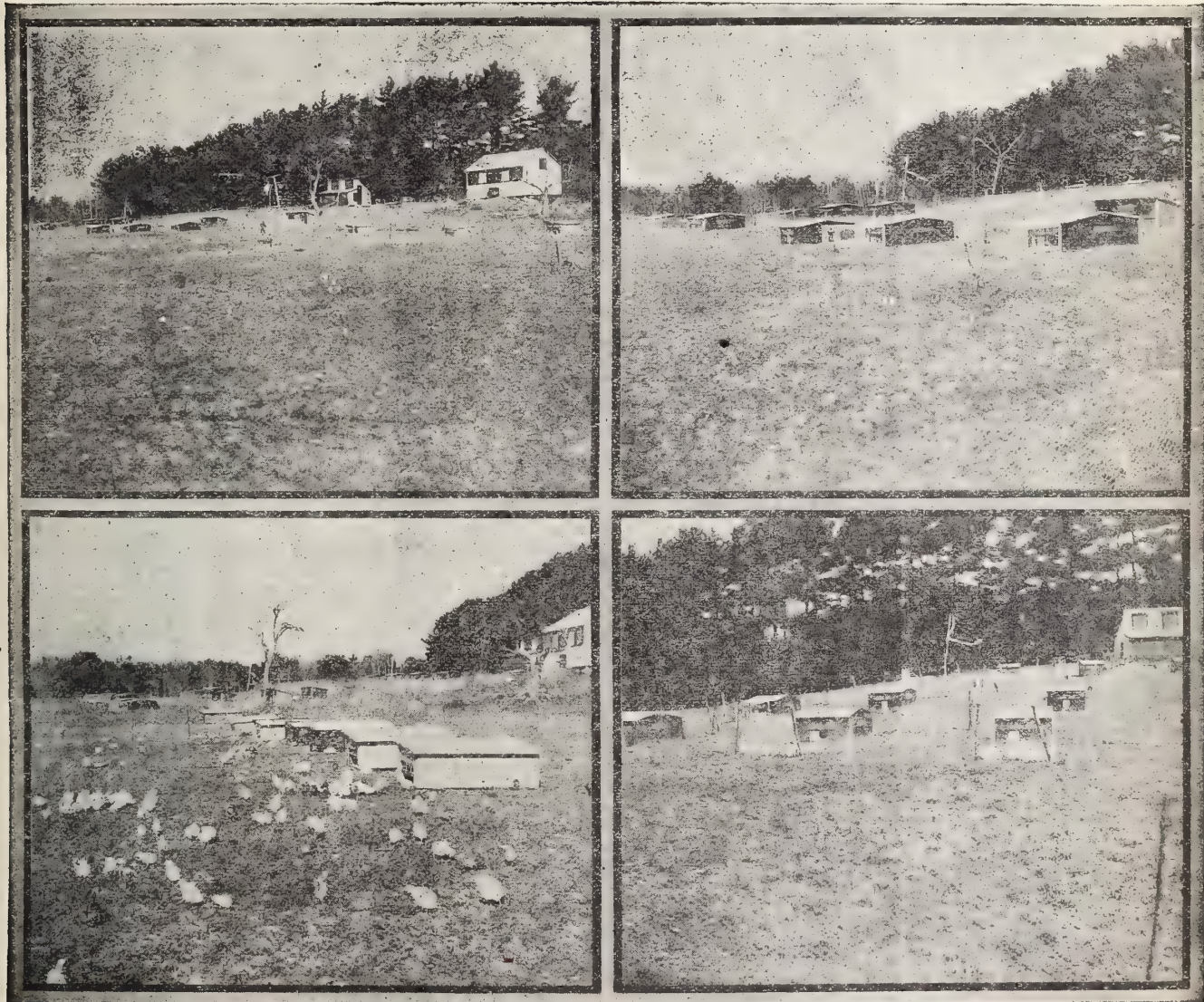


Fig. 5. Four views of 1912 chick field of Wozelma Farms Producing Co., Silver Lake, Mass. Upper left view shows outdoor brooders and chicks with pines in background, a 10x16 Woods' house and the temporary brood house and incubator cellar. Upper right view shows part of 20 outdoor brooders in use. Lower left view shows some growing chicks and cold brooders. Lower right view is a front view of the "battery" of Wigwam Brooders with chicks in temporary yards. See "Starting a Practical Poultry Plant."

flocks, amounted to almost nothing. A good many broods were carried through to colony coop size without the loss of a chick.

As our fields began to fill with chickens demands came for day-old chicks and we sold 500 at good prices. All told we raised this first season for Wozelma Farms some 4,500 chickens. These were culled repeatedly and we finally went into winter quarters with about 60 Buff Wyandottes, 600 White Rock pullets, 100 White Rock yearlings, and 500 S. C. Rhode Island Reds and some surplus stock birds. Over 3,000 chickens were marketed. Besides the home raised stock a good many fowl and chicks were bought, dressed and sold to market and to private trade.

The success in chick rearing was in a large measure due to the food and care, as well as to the fine condition of the

Afton Farms power mixer, and next season's mixing and grinding will come easier. From now on we intend to grind all our own mash mixtures, crack all corn and make all chick food and scratch food we use.

As soon as we began to count our grain in tons instead of bags, it opened our eyes wide to the fact that we were losing good money buying grain and supplies at retail. That soon pushed us into doing a local grain business in a small way and that is beginning to develop. The first carlot order has been followed by others and had we more capital to work with we should soon build up a good grain business that would demand one man's entire attention. As it is it keeps one of us busy most of the time and when custom grinding starts we'll need help.

Besides the poultry and grain business being developed



by Wozelma Farms Producing Company, it is also building up a wholesale and retail trade in farm and poultry supplies of all kinds, including general merchandise. The charter of this company permits taking practical working students in poultry husbandry and the issuing of certificates of efficiency to such students after a course of practical work. Accommodations are available for a few male students of good character and earnest purpose. In November, 1912, Mr. Mason decided to get married and, as that made it necessary for him to receive a larger salary than the company was then prepared to pay, he was found a position as manager of poultry at Wellesley College, with a good salary including house rent. He is much pleased with his new position and still retains his office as vice-president and director in Wozelma Farms Producing Company.

Our 1911 White Rocks proved wonderful producers during the winter of 1911-12. The egg yield was so heavy we feared for the fertility and were much gratified when the first test of February eggs showed 97 per cent fertile. The hatches were fine and the chicks big, sturdy fellows. This looked to us like a triumph for the open-front house and healthy fowls. We had these birds housed in a Woods' house in the bleakest location on the place. The house was built for experimental purposes to test a cold open house and also to help illustrate the book "Open-Air Poultry Houses for all Climates."

When spring was well advanced those Rocks had worked so hard that they looked pretty ragged. We thought them due to slow down on eggs and determined to try another stunt with them. With some other fowls they were all turned loose in the pine woods and about an acre fenced in with poultry wire for their accommodation. They had to sleep where they could find a convenient pine limb.

They had no roof overhead. Nests were provided, also food boxes for mash, shell, charcoal and gravel, and automatic feeders for scratch grain. Water was supplied in galvanized pails. We had a good many hard storms, heavy showers, long, cold wet rains and high winds, but the fowls stayed out in the woods. We did not look for many eggs and left the egg gathering from this outdoor flock to Mrs. Woods. When she began to report 80 to 100 eggs a day from 150 fowls we began to sit up and take notice. Those fowls laid well all summer, phenomenally well. They molted early and evenly and many of them came through the molt looking as fresh and bright as the pullets. They were out doors from May until late October, when they went into winter quarters in one of the new buildings in Wozelma Farms' woods and they are still rendering a good account of themselves.

The Wozelma Farms Producing Company has as yet only made a beginning. The first year has been very satisfactory, in fact has made good its issued capital stock at par, and if 1913 only does as well proportionately we hope to become firmly established. This company for the present has three farms under its control, "The Anchorage Farm," the "Thomas Farm" and "Wozelma Farm," making a total of about 90 acres. These farms are also made use of by American Poultry Journal as an experiment station and in this connection are two other farms also used for A. P. J. poultry experiment work, one in Texas and one in Essex County, Mass. This gives to American Poultry Journal exceptional opportunities for poultry investigations and some interesting experimental work is under way. Of this more will be told later. With this article are a number of interesting illustrations showing views on the combined Wozelma Farms.

## Comments on Artificial Incubation

Seasonable Suggestions in Hatching With Incubators—How to Run the Incubator—A Few Pointers.

By T. F. McGrew, Scranton, Pa.



**THAT OUR FUTURE NEEDS** are thoughtfully considered in advance is exemplified in the excellent equipments that are always at hand, waiting for the hour of their need. No wish of the farmer, the poultryman or the merchant is left unnoticed for any length of time, and no sooner is the possible scarcity of meat foretold than out come new appliances for hatching more chicks. This is quite fortunate, for beyond all question "Poultry and Eggs" must to a very great extent fill the place so long held by beef as the most popular of all animal food supply.

Already we read of the purchase of large tracts of land in South America where the future meat supply must be grown. We of this country must learn how to grow more and better poultry, and we must also learn how to make hens lay more eggs during the cold days of winter, when more of them are needed than during any other season of the year. What others can do all can do if they will, and this is doubly true of winter egg production. And while we know that but few flocks of hens lay well in winter compared with the large number kept, at the same time the supply of fresh laid eggs in winter is increasing each year.

A large per cent of the eggs that are laid during the cold winter days are laid by pullets that were hatched early in the spring and were well grown and ready to lay in November. To have such pullets the chicks must be hatched and reared largely by artificial methods and they should be hatched in April. In some localities there are public hatcheries, or those who make a practice of selling day-old chicks. Some contract ahead for hatching chicks for customers, who place their orders in advance for the kind they want. Others advertise in advance that they will have several kinds ready for delivery on certain days.

The most advanced step has been taken by those who offer for sale eggs for hatching or day-old chicks from registered hens that have records for large egg production. Some offer day-old chicks from hens that have laid two hundred (200) eggs or more per year, these chicks to be toe-marked for identification, to be guaranteed as coming from certain hens, the price of these chicks at one-day old being fifty cents each. This indicates to some extent the value placed on egg production, and those who have a strain of heavy layers can

sell eggs for hatching or day-old chicks all they can produce. In order to meet the demand for all these several branches of trade artificial hatching must be practiced.

### Running the Incubator.

At one time all the incubators made were difficult to handle. Now they are so perfect of construction and so easy to manage as to make their use quite possible in every household. Those who are content to follow to the letter the directions sent with each machine are sure to succeed, while those who attempt to run them contrary to the directions are almost certain to fail.

The features of vital importance in artificial incubation are: (1) Fertile eggs that have been laid by mature hens mated to vigorous males, all the fowls to possess remarkable vigor and the best of health. (2) An even temperature where the incubator is kept and operated. (3) An even temperature inside the egg chamber. (4) The proper amount of heat, moisture and ventilation during the entire hatch. While all of these are necessary for success, the most essential of them all are fertile eggs that are fresh and full of vitality. Without these qualifications poor results will come even from the most careful handling. When the eggs are fresh, fertile and full of vitality they are apt to hatch fairly well, even though some mistakes are made in handling the incubator.

To have an even temperature where the incubator is run is almost a necessity, and this temperature will be best when it ranges from 60 degrees to 70 degrees F. When such a temperature is maintained it will assist materially in keeping the lamp to heat the egg chamber at the proper degree without taxing the lamp beyond what it can do without overheating the burner. A flame of medium size is always best, and such a flame should heat the egg chamber of an incubator kept in an even temperature of 60 degrees. Incubators will hatch when kept in a temperature that ranges from 40 to 50 degrees, but they will not do so well as will the same incubator when kept in a warmer place.

The proper amount of heat as recorded by the thermometer should be told in the directions that come with the machine. The thermometer used should be of the kind recommended in the directions and it should always be kept just where the directions say it should be. It is always safe to have more than one thermometer in the egg tray, and it will not be a bad notion to have a regular kind of thermometer in the tray in order to see whether the heat goes beyond or above the highest point marked on the incubator ther-



mometer. If the temperature goes higher than the incubator thermometer will register, then the heat will spoil the incubator thermometer for further use.

To regulate the ventilation and moisture best suited to the hatch is an art that must be learned by experience. A safe plan for the amateur or beginner is to keep a watchful eye on the glass in the door of the incubator. If just a few drops of moisture show on the inside of the glass in the door, that will answer; if none at all, the egg should be examined to find out whether the contents have evaporated too fast. This can be done with an egg tester to tell whether or not the air cell in the large end of the egg is growing too fast. If the air cell is larger than directions call for, moisture is needed; if smaller than normal, less moisture is needed. Moisture can best be supplied as told in the directions for running the machine. It can be safely done by sprinkling the floor beneath the machine or by blowing spray from warm water into the egg chamber. The amount of moisture to use can only be decided by the operator.

Chicks are apt to die in the shell about the eighteenth or nineteenth day. This results from one or more causes. The heat may go so high as to force heart action and burst the blood vessels, or for lack of moisture inside the shell the chick may stick fast and not be able to push through the air cell, or too much moisture may drown them inside the shell. Much trouble will be avoided by keeping the heat a little below 103 degrees. A full degree less will be better than to have the heat  $\frac{1}{2}$  degree above 103. Regularity in turning the eggs and cooling them will help a lot. When cooling the eggs let the bulb of the thermometer rest against an egg that contains a live germ or embryo. As soon as this ther-

mometer shows 90 degrees or a little less the eggs are cool enough and they should go back into the machine.

#### A Few Pointers.

There are a few simple rules for artificial incubation that should be followed and while all of them can not be followed to the letter, it should be done as near as can be.

The eggs selected for incubation should all of them be fresh or nearly so, all of one size and of the same color. When all of one size they will be more evenly heated than if of two or more sizes. Brown shells are usually thicker or heavier than white shells and for this reason all of one color should be hatched together. Beginning with the fourth day the eggs should be turned and cooled. If moved about in the tray with the hands while cooling it will both turn and cool them. The eggs should be tested for fertility either the fifth or seventh day. An expert can test them well on the fifth day, an amateur can do best on the seventh day. Do not turn or cool the eggs after the first peep is heard in the eggs. Eggs for hatching should be kept in a temperature that ranges from 40 to 60 degrees F. Either warmer or cooler will injure them. Dirt or filth on eggs should be scraped off the shell with the dull blade of a pocket knife. Dipping in alcohol and letting them dry without rubbing will do but little harm and will kill germs on the shell if any are present.

When the eggs are tested all clear eggs, and eggs in which the germs are dead, should be removed from the egg trays. Avoid jarring. Never close the door of the incubator with a slam as this will jar the eggs. Do not allow the sun to shine on the eggs either before or while in the incubator. The less sun heat that eggs get the better.

## Comment on Knights of the Scissors

Short Paragraphs Where Most Nonsense About Poultry Flourishes—  
Some Strange Information Given.

By H. H. Stoddard, Riviera, Texas



MEAN not professional hair clippers, but those who run the poultry columns in the farm papers. Sometimes it appears on reading same as though when the man of all work was through sweeping the floors, emptying the waste baskets and cleaning the spittoons, he was asked if he knew how to read, and the reply being in the affirmative, he was given shears, paste pot and brush and told to clip out every blessed thing about chickens and "make up" a poultry column. Among other stuff, clip out a lot of the brief, pretty little items and paste 'em on in a nice row.

The favorite little brevities concerning the "gentle art" of poultry keeping to my certain knowledge have some of them been used over and over again for thirty years or more. It seems to have been assumed that they were good and true or they wouldn't have been printed and therefore it is safe to print them again. Samples following:

"Every now and then a poultry man has trouble with hens that have fallen into the habit of eating eggs. If you are unfortunate enough to have any of this, try feeding the hens all the crushed egg shells they can possibly eat. The reason a hen eats eggs is to get some mineral matter. If this is supplied them they will not eat eggs."

You may have buckets full of "crushed egg shells," oyster shells, slacked lime and everything else belonging to the universal kingdom you think of accessible to hens from year's end to year's end, and yet eggs broken by chance will taste so good that the habit of egg eating may be formed.

"Something queer about hens and even chicks turning cannibals and eating each other up alive. The best explanation so far is that birds that do this need more meat to eat. A bit of a scratch comes on some hen, and the rest see the red spot or the drop of blood, and out of curiosity pick it off. That gives them a taste of the blood, and at it they go to devour the poor creature. If plenty of meat scraps is given the chances are that you never will have any trouble of this kind."

Here it is again, and you may have all the meat in the butcher's shop on tap, and still good fresh, warm blood or flesh will taste good. You cannot keep a child from liking cake by giving it pie.

"Fowls should have empty crops in the morning

and the crops should never be quite full until it is time to go to roost in the evening. Feed grain should be scattered in the litter in the morning. This induces them to exercise. In the middle of the day a warm moistened mash should be given. Feed what they will eat up and chew. At night before they go to roost a liberal feed of grain should be scattered in the litter. The fowls should be kept busy."

When you see that they bite off more than they can "chew," stop feeding, for heaven's sake!

"Overfeeding is one evil that is practiced by many poultry raisers. Fowls are lacking in that instinct which tells them when they have eaten sufficient food, hence the necessity for the keeper using his own brains in deciding just how much is good for them."

False as the above doctrine is, it goes down with lots of people as readily as the bird shot rolled down the throat of the "jumping frog" in Mark Twain's story. The birds have nothing to tell them when they have eaten enough! Pity about that! I should like to know if the party who wrote that slush can tell when they have eaten enough.

"When chicks are droopy from any cause whatever, at feathering up time, which, by the way, is a great strain upon the young fowls, a tonic in the drinking water once a day is a great help."

If you keep your stock strong, by proper breeding and proper management, and find a bird that can't feather without becoming "droopy," call around and let me know.

"One of the hardest things to control in poultry raising is lice. Every chick hatched by a hen is "stocked up" with them from the start. Incubators will, in the long run, hatch as many and as strong chicks as the average good sitter and does not stock them with lice. As incubators can be bought at very reasonable prices, it is policy to keep Biddy at her best job, supplying the eggs, and let the "wooden hen" do the rest. Then a good brooder, if properly looked after, will care for the young brood better, and the lice will not trouble, provide you do not let older fowls run with them."

Every chick hatched by a hen is stocked up! "Every" is a pretty broad term. Where is the fool killer? You can keep poultry twenty consecutive years, or forty for that matter, and hatch only by hens, without having young chicks stocked up with lice in a solitary instance, by having all your adult birds healthy and vigorous, so that they will put lots of muscular strength into the dusting process, you having



provided a great abundance of first-class dusting material, accessible every day in the year, and located so that all can dust themselves without waiting for others to get through. If you do this they will work a great deal at it. Then use one thing, and one thing is enough, in the nest of every sitter, to wit., a big handful of sulphur. The weak birds are the ones that do not dust energetically enough. Another thing—the soil should be so fine and easily pulverized as to be a constant temptation to wallowing.

"When the market demand for eggs is light, the Connell hens are on a light ration, so that they do not overproduce. If the market is clamoring for eggs the hens are crowded with protein feeds that

trick. It's a sure thing and will save hundreds of chicks."

Now, sulphur is anyhow only a very mild germicide, or insecticide, when given internally, and mites live on wood-work, so that sulphur in the body of a bird is a far fetched proposition. But often "anything goes" in the poultry column of a farm paper.

"The incubator is not advisable unless one wishes to hatch large numbers of chickens. A sitting hen and nest should be well dusted. Make nest eighteen inches square, and of sod if desired. Hens do not rest on eggs, but on shanks. Hens do not turn eggs with their bills. If they do not leave nest every day they should be helped off."

If there are "large numbers" of chickens to be hatched, the more reason there is for hatching by hens, or if any incubator is used at all it should preferably be the mammoth one-room incubator, run by an expert, for a whole township of commercial poultrymen. No, "bills" are never used, of course, in turning eggs. The hen rolls over on her back and kicks up her heels just as a horse does when it rolls. In this way the eggs are "squiggled around."

"As a rough estimate, to the American breeds, give four quarts of whole grain in eight inches of litter early every morning to 100 hens. Let them pick at the hopper feed during the remainder of the day till about an hour before going to roost. At this time give four quarts more of whole grain in the litter. Care should be taken to examine the crops at night to see if they seem full. If so, then examine the litter to see if all the grain is cleaned up. If food remains in the litter, give less whole grain till the birds get just as much as they will clean up and go on the roost with full crops."

"Examine the crops!" How long would it take and what would it do? How are you going to catch the wild ones every night and what profit could you make on fowl keeping



increase the yield. Connell is absolute master of his hennery and the hens are virtually egg machines. The master's hand is on the lever—the feedbox—and he gives them according to the needs of the egg market."

Whew! Any time you want eggs, "crowd" with protein. When eggs are cheap, without protein. There you have it! "The master's hand is on the lid of the feed bin that contains cottonseed meal, and "sich" just as the engineer's grasp is on the throttle. How simple! How plain the way to wealth beyond the dreams of avarice!

"Poultry as a side line to general farming will always offer the greatest returns with the least investment."

"Always?" Why, bless us all, sometimes it is such a nuisance that it is of no profit at all, for the hens scratch the garden and flower beds and roost on wagons and plows. Whether farm poultry is profitable or not depends.

"To kill mites feed your fowls sulphur in chops or bran once a day for six days, then skip two weeks, then repeat the dose.

"A successful poultry raiser has given this remedy a fair trial and it worked like a charm. He says:

"I have always dreaded mites during sitting time until this year. During last winter I fed my flock sulphur and I have set forty-one hens up to date. Thirty of them have already hatched, and I have not yet found a mite or louse on their chicks. I fed a handful of sulphur once a day for six weeks, then skipped two weeks, and then repeated the



if you had to do such things? Perhaps the author meant that the birds need not be caught, but that the keeper can tell while they are running around whether their crops are distended sufficiently. But that is nonsense, too. As well undertake to tell in the same way whether children have eaten enough.

"Poultry in an orchard will rid the trees of many injurious insects. Roosting in the trees is not a good thing, but if a comfortable roosting place is made the chickens won't try to use the trees. As a whole the orchard and the poultry plant are a supplement to each other, and valuable to a high degree if intelligently managed."

If the branches are near enough to the ground so that the birds can fly and reach them, they will as surely take to



them as ducks take to the water, no matter how "comfortable" their artificial roost is made.

"Every time a hen cackles when coming out of the laying room is no criterion that she has laid. I believe it was Collingswood who once said, 'A cackling hen is either a layer or a liar,' and in using trap nests I have found quite a number of these cacklers to be 'liars.'"

Hens are not liars, as accused. Many persons besides Collingswood believe that cackling refers to laying and nothing else; but the truth is there is anxiety in regard to the flock to which the cackling bird belongs. She is homesick after even a short separation and cackles forth the question, "Where are you?" and they cackle forth the answer, "Here we are, come on." Laying has nothing to do directly and primarily with cackling. Indirectly and incidentally it occasions cackling because it causes separation of the hen from her flock mates. You can try catching a hen in the day time and carry her a little way off and put her in a pen and she will cackle the same way because separated, and her flock

and winter. All these directions I follow personally, strictly, and if you try it you will feel so well that you will be inclined to treat your domestic animals well, and well they will be, years on years, as a matter of course.

"Many dealers object to eggs with pale yolks.

When you find yours are getting that way, put a little more corn in the ration."

Better "put" a little more sense in your head, Mr. Paragraph Writer. In a flock fed chiefly or entirely on corn, some hens will yield pale yolks and others highly colored yolks regularly. I do not deny, however, that the yellow variety of corn has some influence on the color of yolks and on the plumage of white fowls also; but do not change your feeding practice on account of a thing like that. From year's end to year's end give young and old poultry all the corn they want. One sort must always be on hand to balance the other sort. Then notions of putting in or taking out a "little more corn" will not be in order at all because they would interfere with the whole plan of allowing the birds to balance their sorts of feed by their own instinct.

"Chickens that have gapes sneeze them up and they, or the eggs of the worm, are swallowed by other chicks, and in this way the disease spreads and the infection continues."

No, the gapeworm goes through one stage of its life history in the body of an earthworm. The gapeworms (both sexes) breed when fixed on the birds, and the ova reaching the soil are then transferred to the interior of the common "fish worm," which is devoured by chickens and the vicious circle is complete.

"The rich may some day make trusts of all other things on earth, but they can never make a trust of the poultry industries. This will always be one line of business in which the individual can get in and stay in without competition or opposition."

At present there are so few commercial poultry farms, comparatively speaking, that a trust would, of course, be hard to establish. But the time is coming when there will be a hundred such farms where there is one now, and trusts will be as easily set up and maintained in poultry as in steel, tobacco or any other article which is used extensively. It does not seem to get through the heads of people yet to any great extent that train loads on train loads of eggs and poultry, either alive or dressed, will in the future be raised not on ordinary farms alone, but on immense ranches so numerous and extensive that they will substantially fill whole counties in some districts, notably in the great Southwest.

"Both adult fowls and growing chicks require abundant shade, plenty of good fresh water and vermin-free roosting places. When these are supplied the chickens will prove profitable to you."

"A tablespoonful of cayenne pepper in the bran or mash will serve to keep the fowls in good health."

"Keep the dropping boards clean and free from filth. They should be frequently scrubbed."

"During the first two weeks of a chick's life it is almost sure to overeat; care should be exercised so that this will not occur. After the chicks are over two weeks old they seldom overeat."

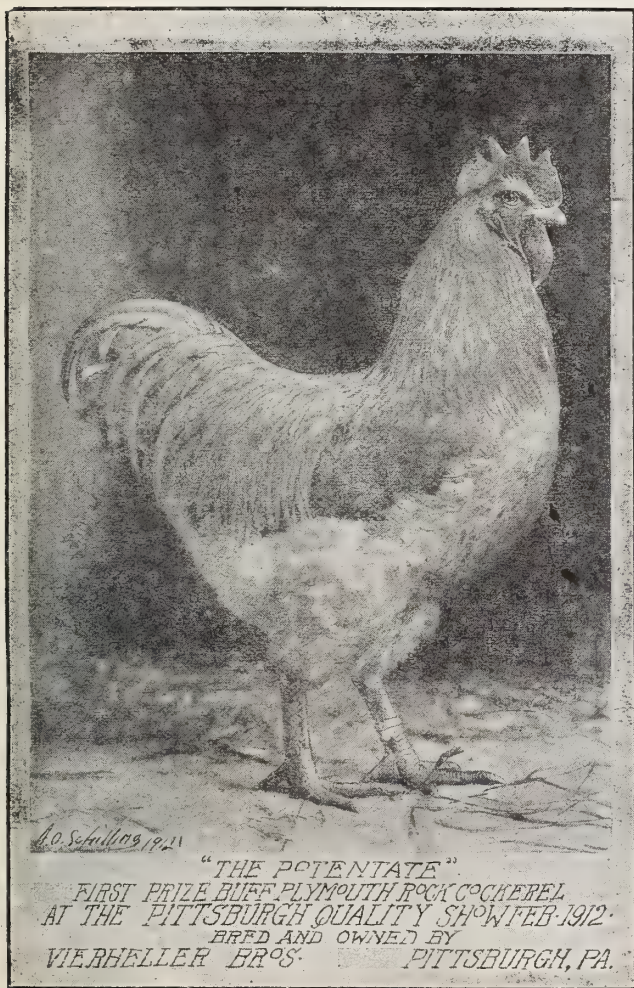
"In our eagerness to get our pullets to start to lay we sometimes are guilty of overfeeding them. Too much fat on the pullet is a great setback to laying."

Above are six samples in a row. (1) You can furnish proper shade, water, and so on, and still the birds may be unprofitable. (2) How much mash to the tablespoonful of cayenne, a quart or a pailful or a barrelful? (3) Have no dropping boards. The filthy things are the invention of Satan. "Scrub them," will you? Pretty business! (4) Chicks never overeat, nor can be made to, if always given access to all they will take of the proper kinds of feed, whether at the age of two weeks or any old time. (5) You can't get too much fat on a pullet.

The column of short paragraphs is where nonsense most flourishes. The scissors have been used, as we said above, for thirty years on some of the "terse, spicy" items. They are as venerable as the jokes salted down in barrels and afterwards inflicted on the innocent public by circus clowns.

Following is something on taking medicine beforehand to keep from getting sick. It is a favorite idea. Why in the eighteenth century, and running well into the nineteenth, the unfortunate children of those benighted times were made to line up so as, to make sure that none were omitted, the families being large, and each had to down a spoonful of sulphur and molasses to "keep off" diseases. This when every individual in the row was well and hearty.

"Making the drinking water slightly red with



will reply. The rooster especially, as the representative of the family or clan, will give out the clan cry. On any occasion of alarm all the flock will cackle this rallying cry, and the rooster will prepare for battle if advisable, or for flight if discretion seems the better part of valor.

"A little granulated charcoal mixed in the soft food will generally check bowel trouble in chicks."

Why so much talk about "bowel trouble?" In the poultry columns it is "bowel trouble," "bowel trouble" over and over again. Ever notice it? Well, I kept chickens over thirty years in an Eastern state, then nearly thirty years more in a Western state, and never had a case of bowel complaint among them that I remember. If there was one, I did not notice it, for I always kill a sick chick and "have an end on't, unless keeping it for study," and seldom notice or care what is the matter because I have so few cases. Keep your stock strong and always under good sanitary conditions, drink no intoxicating liquor, use no tobacco, cheat nobody in a chicken trade or any other sort of trade, sleep with two sides and two ends of your apartment entirely open summer



permanganate of potash has often been found to prevent the spreading of roup."

No medication of drinking water whatever by using any drug, in any quantity whatever, will stop the "spreading" of genuine roup if sick birds and well are left together. Much damage is often done by such advice when reliance should be placed on the hatchet. The best thing of all is to come here and keep your fowls houseless and roupless in southwest Texas by outdoor life, like quails and wild turkeys.

"Changing the runs from year to year will prevent any plot of ground from becoming inoculated with parasites that kill off the flock. If there is room enough near the poultry house to shift the yard around, the change need not greatly disturb the routine of taking care of the poultry."

The writer of the above paragraph seems to take for granted that the enemy that kills the flock is harbored in the soil, as the gapeworm and the hookworm are at certain stages of their life history. But there are other destructive pests that live elsewhere and that will "kill off the flock" sometimes on ground where no poultry has ever been before. For instance, the bug of the fungus that causes poultry conjunctivitis, a deadly disease sometimes in the Southwest, attacks a flock on new ground cleared of trees, where no fowls have been for the last ten thousand years or ten million years. Some diseases may lurk in the fungus growths on musty grain fed or musty straw used as scratch-litter and not harbor in the soil at all, and some are unquestionably brought to the poultry yard by wild birds or possibly quadrupeds.

The whole matter of conjunctivitis should be studied at the experiment stations. The germ, whether of the animal or vegetable realm, should be discovered, isolated, cultivated, and its life history investigated. The same should be done in the case of every germ disease of poultry. Then the best way to combat or avoid such disease can be learned. The Arkansas station says conjunctivitis is "introduced to poultry premises from outside," which is doubtless true, for all "bug" diseases must come from somewhere outside at the start, but through what medium or mediums is what we all want to know. A great field remains to be explored by investigators before it will be ascertained what poultry diseases can be disseminated by wild birds and vice versa.

The bodies of various species of wild birds and quadrupeds found diseased should be dissected and microscopically studied to find out how many of their one-celled depredators are communicable to humans and to domestic animals. In some cases it may be found that a closely allied, though not the same species is communicable; a differentiation having probably arisen in the course of ages. Sometimes a species of wild birds suddenly becomes very scarce, though previously abundant. Birds might die off in great numbers because blinded to starvation point by conjunctivitis, for instance, and sick or dead victims might not be noticed by naturalists or hunters because four-footed undertakers and scavengers such as skunks might devour them nightly. In this county quails, very abundant for a series of years, suddenly became scarce and then for a few years gradually increased to their old time numbers. As they are not migratory or only slightly so, a germ disease most likely is the explanation.

It could not be laid to the door of storms and heavy snow, as in some northern localities.

"If every farmer in the United States would buy of some reliable breeder a good cock each year—say one that would cost about \$10—the advancement made in the farm poultry would be worth more than all the scrub stock in existence. If he would gradually replace all of his scrubs with pure bred stock the advancement would be worth several millions of dollars."

The ten-dollar bird if a fancy bird might be one of the very sort that the farmer shouldn't buy. For two or three dollars a male of pure breed but lacking in Standard points can be bought.

But "I want a Standard-bred breed," says the objector. Well, such a moderate priced bird as just described belongs to a "Standard-bred" strain if from a fancier's yard, only the Standard points happened to be partly lacking. The rooster is just as good for the farmer as the one which perchance the fancier sold for \$100.00.

The terms "Standard breed" and "Standard bred" are often misleading. Any Cochins, or Hamburgs, or whatever, that is pure, namely, having an ancestry with blood unmixed with that of any other breed, is of a "Standard breed" if its breed has been admitted to the Standard, and this is true irrespective of whether it scores high or low. When we come to speak of the term "Standard bred," it is often used

to mean that the owner and the parties he procured the stock from have customarily selected breeding stock with reference to high scoring, but that is all that it means. Nobody ever has "bred to the Standard because the Standard is perfection itself." Even if some breeder should succeed in getting one bird that scores 100 he never will in a thousand years establish a strain of such birds.

The claim "My birds are bred to the Standard," taken literally, is nonsense, though the claim "I am guided by the Standard in selecting breeding birds" is true in thousands of cases all over the land.

An amusing instance of this is a current effusion over the name of L. M. Davis. Really I do not believe that is his real name. He seems to be a penny-a-liner and is devoting his sapience to the "Feeding and care of young chicks," and in the course of his dissertation says:

"Nature always arranges to take care of the young chick for a day or more after he breaks through the shell. On his breast you will find a splash of the egg yolk left by nature. Instinct or hunger may be causes the new hatched chick to twist his soft beak down to this waiting tidbit left there for him. Anyway, his stomach is so constructed that the pangs of hunger will not bother



him greatly during the first hours of his stay on the earth. He will spend most of his time picking up tiny pebbles for a day or two."

The above is the limit! Having seen many attempts to be smart, this beats all others. Did the one that penned that ever see a young chick in his life—one that had become thoroughly nest dried and ready to run around? A spotless marvel it is. One of the most perfect and immaculate objects in nature; not a speck on it from tip of beak to tip of tiny toe. It is as free from any "splotch" as a new coin fresh from the mint. Then that "twist of his soft beak."

Ye gods! The chick ought to be careful lest after "twisting" that soft substance it should suddenly harden and leave him gimlet-billed all his life. What necessity for any "twisting" at all? Ah, I see. The bird must not bend its head over to get at its breast because he wants to stand head up and tail up and see what is going on in the new world. So rather than bend its neck it twists its soft beak. I have always been told that nature's ways are wonderful and now I believe it. That "day or two when most of his time" is spent picking up tiny pebbles is worth earnest and prayerful consideration. I suppose plump little seeds and lively little insects and thin enticing larvae are disdained by the mother hen and her brood for a "day or two" till "pebbles" enough have been collected.



# The Great Chicago Show



DECEMBER

12 to 18, 1912

The fourth annual exhibition of the Mid-West Poultry and Pet Stock Association, held December 12-18, 1912, was the most successful exhibition ever held in Chicago and without doubt the largest and best quality show ever held in this country, that is to say, there were more birds of quality in this show than were ever before cooped in any one show in the United States, not alone in one or two varieties or classes, but in all varieties and classes, and to attempt to single out any one class that showed superiority over the other classes would be folly on our part.

All sections of the country were represented, from the Atlantic to the Pacific. All classes of breeders, from the amateur of one to two years' experience to the old-timer who bears the scars of scores of battles and who does not know what defeat means.

The show management deserves the thanks of every poultry breeder in the country for their efforts in putting on such a magnificent exhibition of thoroughbred poultry and for the able manner in which the show was conducted, as exhibitions of the character of this cannot help but increase the interest in thoroughbred poultry and make it more remunerative for those who are about to engage in the business as well as those who have made a life's work of it.

The show was cooped with Keiper coops, which gave it a most attractive and pleasing appearance and showed the birds off to good advantage.

Many good sales were reported to have been made during the week of the show, among which was the sale by Owen Farms, Vineyard Haven, Mass., of their entire flock of Rose Comb Rhode Island Reds, to the Buschman-Pierce Red Farms of Indianapolis, Ind., and their entire exhibit of Single Comb Rhode Island Reds at Chicago to F. E. Harrison, Menominee, Mich. Owen Farms captured many of the special prizes, among which was silver cup for best collection of S. C. Buff Orpingtons, silver cup for champion male, shape and color specials on male. In White Wyandottes they won silver cup for best display and champion female. In White Rocks they won special three best cocks, special three best hens, special three best cockerels, special three best pullets. It was also reported that R. A. Hewes, of Crete, Ill., the man who always wins on his Black Langshans at Chicago, made some remarkably good sales of high quality stock, as did also S. A. Noftzger, North Manchester, Ind., originator of Partridge Plymouth Rocks.

Twin Oakes Farm, H. W. Bissell, proprietor, Livermore, Cal., sent a pen of White Wyandottes, and even after their long

journey landed fifth place. This is a commendable winning, all things considered.

## Barred Rock Class.

The Barred Rock class was said to be the largest Barred Rock class ever gotten together. It contained, in all, 393 birds. Kings and queens of the poultry world from all sections of the country, East, West, North and South, were shown in the pink of condition and those who know say better quality was never seen in any show-room. All old-time exhibitors at the Chicago show were here, together with several new ones, and the prizes were, naturally, divided among several of them. A. C. Hawkins, Lancaster, Mass., won the most points for best display, and carried home the handsome silver cup offered for this prize. This cup was the largest and by far the most valuable offered in the entire show, and was the most hotly contested prize in the show. We understand Mr. Hawkins refused several offers ranging around \$500 for some of his prize winning males, and did a nice business during the show.

In the cock class, which consisted of twenty-nine birds, D. M. Covert, Willoughby, O., won the highest honors by winning first on a cock bird that was the star in his class. This bird was shown in the pink of condition and was admittedly one of the most perfect specimens of this grand variety seen in many years. Mr. Covert was also fortunate in winning first and fifth hens in this class of seventy-nine birds. We understand these are the same birds that won as pullets at Philadelphia last year. He also won second cockerel-bred hen in another hot class. Mr. Covert is an old-time breeder and exhibitor, who always produces the quality necessary to get inside the money.

Mr. W. W. Henderson, Bridgeton, Mo., made a grand winning, getting second on a grand cock bird. His first and second prize cockerels are also worthy of special mention, being remarkable in both color and type. Mr. Henderson has been a fancier of Barred Rocks for a number of years. His winnings at Chicago prove that he has become a "master of art" in producing this beautiful variety.

Mr. G. Earl Hoover, Mathews, Ind., showed some fine specimens in the Barred Rock class. His second and third pullet-bred cocks were particularly fine specimens and worthy of special mention, as was also his fifth prize pullet-bred breeding pen.

Truckenbrod Brothers, Mendota, Ill., who are well known as quality breeders of Barred Rocks throughout this section,



won third on a very fine hen, also fourth cockerel-bred breeding pen and fourth pullet-bred breeding pen.

#### White Rock Class.

The White Rock class was filled with quality specimens of the highest quality and was one of the most hotly contested classes in the show. Owen Farms captured second, third and fifth on cocks not yet quite fully through the moult. There was some question among breeders that their third and fourth hens should have been placed higher up.

well in this class, considering that their birds were somewhat green and not shown in the pink of condition. This was especially true of their second prize hen.

#### Partridge Plymouth Class.

The Partridge Plymouth Rock class was one of the best and largest classes of this variety ever gotten together, in which most of the honors were divided between F. N. Perkins, Freeport, Ill., and S. A. Noftzger, North Manchester, Ind.



Their first prize cockerel was the admiration of breeders, being grand in type, pure white, well furnished, having fine head points. The same is true of their first, second and third pullets. In pens they won second and fourth places.

Guy Daily, Jeffersonville, Ind., made a grand winning in this class. His first prize and champion hen was a remarkably fine specimen and his first and third prize breeding pens were marvels of beauty, being exceptionally well matched and shown in the pink of condition.

Maple Farms of Midlothian, Tinley Park, Ill., won very

#### Golden Wyandotte Class.

The Golden Wyandottes were a good class, in which the coveted prizes were divided among J. S. Pennington, Plainfield, Ill., J. H. McDanell, Warsaw, Ky., and Simmons Bros., Stockton, Ill.

#### Buff Wyandotte Class.

The Buff Wyandotte exhibition was a large one, containing seventy-four birds in all, in which class Besuden Bros., Cincinnati, Ohio, captured three first and several other prizes.



**Partridge Wyandotte Class.**

The Partridge Wyandotte was a good class, containing fifty-eight birds in which all first prizes went to Sheffield Farm, Glendale, Ohio. Wm. Erfurth, 9235 Commercial avenue, South Chicago, Ill., also exhibited in this class, and captured several prizes.

**Silver Wyandottes.**

The Silver Wyandottes, some grand quality specimens and 84 birds in all. We believe this was one of the best classes of this variety ever gotten together.

In this class the cream of the prizes went to Clare E. Hoffman, Allegan, Mich., who won first on a hen that was ideal in type and beautifully laced. His first prize cockerel was also a grand bird. His second pullet is a comer, not yet being fully developed. The first and second pen prizes also fell to Mr. Hoffman.

**S. C. Rhode Island Red Class.**

The Single Comb Rhode Island Red class contained 232 birds in all, being one of the largest classes in the show. The interest, as usual, was keyed up to the highest notch, and F. E. Harrison, Menominee, Mich., wore a smile that did not come off, after the ribbons were hung up. He had a number of remarkably fine specimens of this popular variety, and worthy of particular mention were his first, second and third prize pullets. Red breeders conceded these were three as fine pullets as it is possible to produce. His first young pen and his first and second old pens also contained specimens of rare quality.

Another competitor in this class was Ira M. Crowther, Willoughby, Ohio, who showed two particularly nice hens, winning first and fifth. Mr. Crowther also won third old and fifth young pens.

Wm. Etzensperger, Willoughby, Ohio, also exhibited some fine Reds, winning a number of prizes. Worthy of mention was his second prize cock, which is a remarkably fine specimen and has a long list of prizes in other shows to his credit.

**R. C. Rhode Island Reds Class.**

The Rose Comb Rhode Island Red class contained 223 birds and here again were found many specimens with type and color that was close enough to standard requirements to satisfy the most exacting.

Worthy of special mention in this class is the first, second and third prize cocks shown by Buschman-Pierce Red Farm, Carmel, Ind. These cocks were exceptionally fine in both type and color, being descendants of their long line of prize-winning male birds. During the show Mr. W. C. Pierce closed a deal with Owen Farms for the purchase of all of their R. C. Rhode Island Reds. This purchase includes all of the New York and Boston winners, and added to the already large stock of quality birds owned by the Buschman-Pierce Red Farm, will give them the strongest blood lines of this breed in the country today. Mr. Pierce reported numerous sales and prospects very good.

Another exhibitor in this class worthy of special mention is the Longfield Poultry Farm, Bluffton, Ind., who captured among other prizes first on a hen which was a particularly fine specimen.

**S. C. Rhode Island Whites Class.**

The Single Comb Rhode Island Whites contained a commendable exhibit of this new variety, in which class Carl D. McCarthy, Kempton, Ind., was the important winner, capturing four first prizes and a silver cup for best display and cup for best shaped male in the show.

In looking over this class, we were pleased at the improvement that is being made in this variety and for a new breed they are making progress in both type and color.

**White Wyandottes**

Were a grand class, many breeders having beautifully conditioned birds competing for the prizes.

Owen Farms won well on a grand string, their first, second and third hens being models for breeders to strive for, as were also their first and third cockerels. Their first hen also won the championship in this class.

**Single Comb Buff Orpington Class.**

The Single Comb Buff Orpington class was another one of the largest classes in the show, teeming with quality of the highest order. Bird after bird with color and type close to standard requirements and fit to win the blue in most any exhibition. In this class the Owen Farms, Vineyard Haven, Mass., were prominent winners, capturing first cock, first cockerel, first old and young pen. Their first prize cock was champion male, winning both shape and color specials.

Sunswick Poultry Farm, South Plainfield, N. J., showed a grand string of Buff Orpingtons, winning second on cock, a particularly fine bird, being grand in both shape and color.

Their first prize hen was the champion female, winning both shape and color specials. Their second prize old breeding pen contained birds of rare quality and worthy of special mention.

Roseland Poultry Farm, South Euclid, Ohio, Chas. Switzer, owner, also exhibited many grand specimens of this variety and won a goodly share of the coveted prizes. His third and fifth prize cocks were beauties, being large, massive birds with fine color and grand in head points.

Another exhibitor and winner in this class was Frank C. Cleveland, Morgan Park, Ill., who showed some very fine Buffs, and his third prize cock being a grand bird in type and color with good head points. His third pullet and fourth prize pen are also worthy of mention.

**White Orpington Class.**

The White Orpington class was the second largest in the show, containing 340 birds, and a finer lot of White Orpingtons was never brought together. With very few exceptions most every bird in the show was deserving of a prize, and those fortunate enough to win any place at all in this class were to be congratulated.

The Aldrich Poultry Farm, Columbus, Ohio, distinguished themselves, winning first and fifth cocks on two as fine specimens as one could wish to see, as were also second, third and fourth cockerels and first and third pens.

Iowana Farms, Poultry Department, Davenport, Iowa, made a commendable exhibit in this class, all things considered; their fifth prize breeding pen contained birds of rare quality close up to standard requirements.

Twin Oaks Farm, W. H. Bissell, proprietor, Livermore, Cal., sent a pen of White Orpingtons 3,000 miles to compete at Chicago. These birds were handicapped because of their long journey. Had it not been for this they would surely have landed well up in the money, as they were very fine specimens.

**Black Orpington Class.**

The Black Orpington class was another containing great quality, and prominent among the winners was the Blue Ribbon Poultry Farm, Columbus, Ind., who made a winning in each of the five classes. Their second prize cock was an exceptionally fine specimen, being somewhat out of condition, otherwise he would have been placed higher.

Another winner who showed birds worthy of especial mention in this class was Herrick Poultry Yards, Durand, Mich.

**Silver Campines.**

The exhibition of Silver Campines was very large, containing fifty-four birds in all. The important winner in this class was Frank E. Hering, South Bend, Ind., who on three entries won first cock, first pullet and second hen. His first prize cock was a typical specimen of this variety, being pronounced by Campine men who know the requirements of this breed to be "ideal," and his first prize pullet was also considered to be one of the best specimens of this variety ever shown in this country.

J. T. Rountree, Nora, Ill., also showed some fine specimens in this variety and was one of the prominent winners.

**Single Comb White Leghorns.**

The Single Comb White Leghorns were out in all their glory, 355 specimens, practically every one of which was worthy of a prize, contested here for the honors. Many fine specimens well worthy of a blue ribbon were left out of the money. In this class E. W. Grove, Jr., Clayton, Mo., won three first prizes, while Robert D. Parmenter, Knoxville, Ill., captured one of the other first prizes, also won most points in the class and prize for three best cockerels, and N. P. Eastling, of Parkside Poultry Farm, Pekin, Ill., took home the other blue. The birds shown by these exhibitors were truly remarkable specimens of this beautiful egg laying machine and much credit is due these breeders for their skill in producing specimens of such rare quality as were seen here.

Another exhibitor who showed birds of particular merit in this class was Frank E. Hering, South Bend, Ind., who won fourth on pen. This pen would have been no doubt placed higher, but was somewhat out of condition.

**Single Comb Brown Leghorns.**

Single Comb Brown Leghorns were a good class of rare quality. W. G. Warnock, Geneseo, Ill., captured three of the first prizes on commendable specimens of this beautiful variety.

**Single Comb Buff Leghorns.**

Single Comb Buff Leghorns were out in numbers and a good class throughout, in which F. A. Tectonius, Racine, Wis., captured five of the six first prizes, making a truly remarkable winning.



In the Rose Comb Buff Leghorns F. A. Tectonius also captured four first prizes.

#### Anconas.

The Ancona classes were well represented and prominent among the winners of this class was Dr. Guy Blencoe, Alma Center, Wis., who showed a good string, having quality throughout.

#### Black Minorcas.

Single Comb Minorcas were a good class, containing many good specimens of this popular variety. W. O. Chase, Hillsboro, Ill., was a prominent winner in this class, as he was also in the Rose Comb Black Minorcas.

#### Black Langshans.

Black Langshans, this lordly fowl of poultrydom, were out in goodly numbers. There were many typical specimens of this variety, which, by the interest shown, is destined to become very popular in the near future. R. A. Hewes, Crete, Ill., showed a number of very fine specimens and again carried off a goodly share of the prizes. His first prize cock and first prize cockerel were both exceptionally fine specimens, as were many of the females shown by him.

#### Bantams.

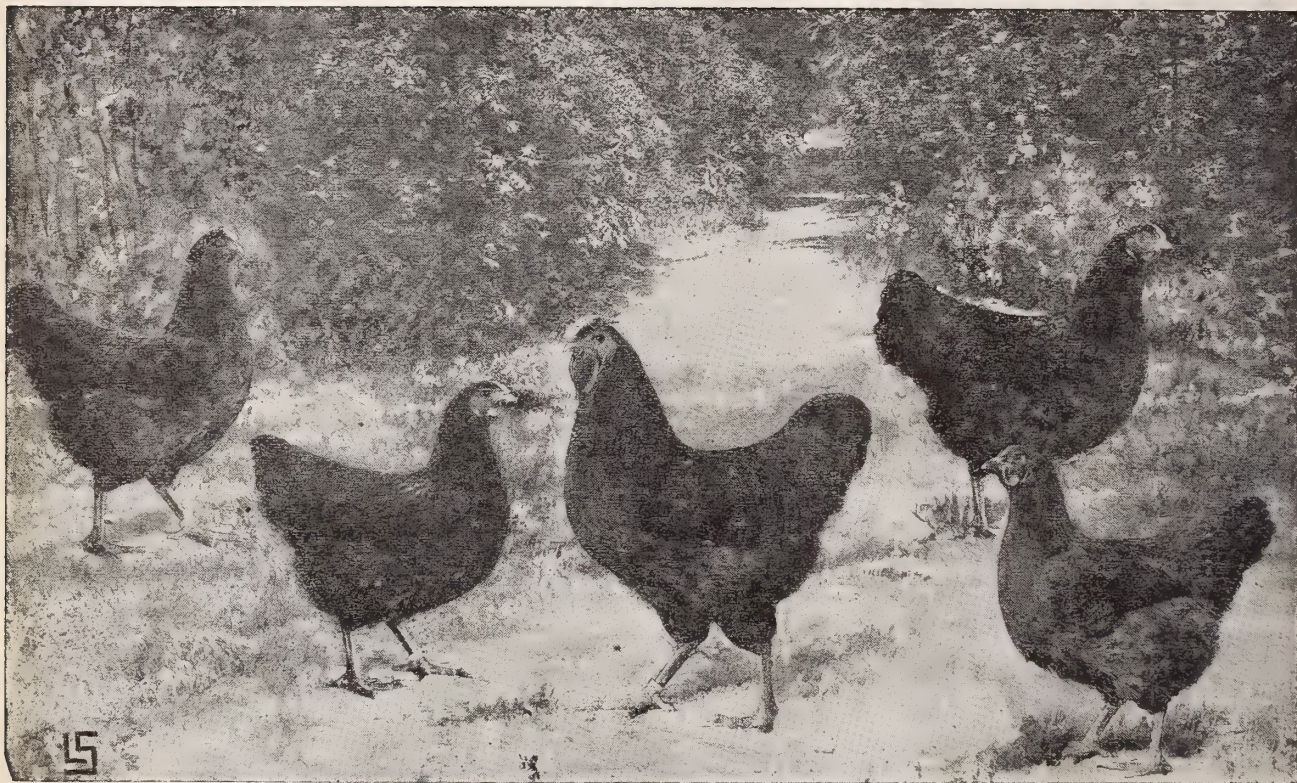
The Bantam classes were well represented, particularly the Cochins. The Wahebe Bantam Yards, Cin-

#### Booths at Show.

Among those having exhibitions in booth space at show was Chas. V. Keeler, owner of Keerlerville, Winamac, Ind., whose exhibit was in charge of Russell Palmer. Here were exhibited fourteen cocks and nine hens, ten of the cocks being full brothers to the grand cock Chief Winamac, Jr., 3d, who won first cockerel at Tokepa, Kan., being the gold band prize winner, 1911-12.

In a central cage was one of the sons of Chief Winamac, Jr., a grand specimen, weighing eleven pounds. This bird was an extremely large specimen and is one of the few large White Wyandottes which retain the typical Wyandotte type when they attain large size.

Geo. Rudy, Mattoon, Ill., had a beautiful exhibition of White Wyandottes containing forty males, prominent among which was Perfection, Jr., who will attain the age of six years the last of next month. He was shown in the pink of condition and looked like a two-year-old, having as much vigor as most cockerels today. Another remarkable feature of Mr. Rudy's exhibition was a pullet exhibited in a cage with seven of her own chicks hatched out of nine eggs, and Mr. Rudy informed us that she hatched these chicks four days before she was five months old. Before she reaches the age of one year her chicks will be laying. This certainly is "going some" and speaks well for the early maturity of



First prize young pen R. C. R. I. Reds, Chicago, Dec., 1911. Bred and owned by Longfield Poultry Farm, Bluffton, Ind.

cinnati, O., showed Buff, Black, White and Partridge Cochins and won extremely well in every class.

#### Display Pens.

Among the exhibitors who had display pens worthy of particular mention was A. E. Martz, Arcadia, Ind., breeder of Single Comb Buff Orpingtons. Mr. Martz exhibited a particularly fine cock bird which could well be used as a "Fashion Plate" by the breeders of this beautiful and popular variety. He was a large, massive specimen with grand head points, a typical Orpington shaped body, well balanced on a pair of short, stout legs and in color he was one of those rare specimens of golden buff of exactly the right shade and which have to be seen to be fully appreciated.

J. M. Williams, North Adams, Mass., also had an exhibition cage of Single Comb Buff Orpingtons which attracted much admiration.

A. & E. Tarbox, Yorkville, Ill., breeders of Silver Laced Wyandottes, had an exhibition cage of this beautiful variety which was conceded by all who saw them to be as near perfect as it is possible to be produced. It is hard to imagine a more beautiful bird than the Silver Laced Wyandotte with its white and black when clean cut as if laid on by an artist's brush, such as these specimens looked to be.

White Wyandottes. Mr. Rudy reported business good and looks forward to a very prosperous season.

Midlothian Farms, Tinley Park, Ill., had an exhibition which attracted the attention of every one. The central attraction of this exhibition was the White Rock Hen "Lady Show You," winner of the Missouri egg laying contest. This hen laid 231 eggs in twelve months, being the highest official record ever made by any bird of any variety. Her royal highness took matters very quietly. It could not be said that she was a beauty at the present time, as she is about one-half through her moult and therefore does not do herself justice at this time. This enterprising farm has also secured all of the other champions at the Missouri contest, including the champion pen of Rose Comb Rhode Island Reds, five females of which laid 1,042 eggs during the year, also the White Orpington hen with a record of 232 eggs, the Single Comb Rhode Island Red hen, with a record of 236 eggs, the champion Rose Comb Rhode Island Red hen with a record of 255 eggs, the champion Barred Plymouth Rock hen with a record of 267 hens. The Midlothian Farms are going in for egg laying qualities, all stock being trap-nested and only birds having good records are used. Mr. Thomas and Mr. Poorman were in charge of the exhibition, and were always kept busy answering questions from inter-



ested spectators. Several good sales were made and many orders booked for baby chicks. One of the largest individual orders was for 1,200 chicks.

Among the other enterprising firms who had booths at the show was Albert Dickinson, Chicago, Ill., who illustrated their Globe Scratch Feeder by having a large revolving globe representing the globe of the world and the maps of the various continents being represented by different colored grains glued to the globe. Among the other firms were the Cyphers Incubator Co., Newtown Incubator Co., W. W. Barnard, agents for the Essex Model Incubator Co., Vaughn's Seed Store, agents for the Prairie State Incubator Co., Inter-

national Correspondence School, Seranton, Pa., Potter Co., Downers Grove, Ill., Poultry Houses and Appliances; Ideal Feeder, manufactured by the Miller Anchor Co., Norwalk, Ohio, Simplicity Feeder, manufactured by the Simplex Supply House, Pontiac building, Chicago, Ill.

The Sibil Egg Compound Co. had a booth that attracted considerable attention. They had on exhibition eggs that had been preserved for years and when broken were as fresh and good as ever. At last we seem to have a perfect egg preservative. The compound is manufactured by the Sibil Egg Compound Co., 167 West Washington street, Chicago, Ill. (For list of awards and exhibitors see page 86.)

## Laws Governing the Fertility of Eggs

Selection and Mating of the Breeders Most Important—Free Range vs. "Coop" Systems—Properly Balanced Rations Very Important in Making Fertile Eggs Hatchable. *By Charles A. Simmonds, Camp Point, Illinois*



**T**HE first essential in any branch of the poultry business is the obtaining of fertile eggs that will hatch strong, vigorous chicks.

Contrary to the beliefs of most poultrymen, the selection of strong, vigorous breeders is only a small item compared with others in the production of hatchable eggs, but as it is first I will discuss it first. In order to intelligently select his breeders the poultryman must watch the development of his chicks from which his future breeding birds are to be selected, as the appearance of a bird when caught and examined is not a sure and safe index to its constitutional

vigor. The birds that are first to reach bodily maturity generally have the greatest amount of vitality (I say bodily maturity because some birds reach sexual maturity before their bodies are fully developed; this class make undesirable breeders). The birds that scratch the hardest, range the farthest and go out in the snow when the others are too cold to leave the house are the birds that have a large surplus of constitutional vigor. The birds with the strongest constitutions are generally of medium size, neither extra large nor exceptionally small, but are very heavy for their size compared with those having weak constitutions. If the breeding birds have weak constitutions their progeny will be sure to have no matter how well raised, though a weak constitution in one sex is sometimes offset by a strong constitution in the other, so that the progeny is apparently strong and healthy.

The mating of the breeding birds is the most important essential in the production of fertile eggs. Fowls have likes and dislikes for each other the same as all other animals and humans. Where only one male is allowed in the pen the birds must be very carefully mated and watched to make sure that the male gives proper attention to all females in the pen. Nearly always it will be noted that the male has his favorites and frequently there will be a female or two in the flock that he so dislikes as to chase and cuff her around as he would a male bird. Where the male copulates with the female against her will, it is generally useless and, if the eggs should prove fertile, the chicks will be very poor quality, so the desires of the females must also be considered when mating the pen.

Where a number of males are allowed to run with a large flock of females on free range they will select their own mates in their own way, and if other conditions are at all favorable the fertility and vitality of the eggs is always high. Where more than one male is kept in the flock the more males the better, for there is always a "boss" that will not permit any flirtation on the part of the other males when in his presence if he can prevent it, but if there are a large number he cannot "boss" them all at once. Of course, the proper proportion of males and females must always be maintained in the flock, as where the number of males is too large for the number of females the females will be so tormented they will not produce as many or as fertile eggs

In the nineties, what was known as the Burdick system of mating was largely used, especially by fanciers of Buff varieties. By this system four males were allowed to every three pens, alternating every three days and giving each male three days' rest out of every twelve. It was claimed that mating thus by natural selection (using males and females of different shades of color) would produce the most

brilliant colored Buff birds. Mating for Buff color has been reduced to a more scientific basis in later years, and this system is not used to my knowledge as all fanciers are careful to know the sires (and generally the dams as well) of all their breeding birds. However, breeders that have used this system all testify that it gave high fertility and strong chicks not obtained where only one male was used in each pen. If one is careful in mating his birds, being careful to place in the pen a male that is congenial to the females and vice versa, good fertility is obtained, but otherwise it will often run very low when all other conditions are favorable.

The number of females that should be allotted to each male varies according to the constitutional and sexual vigor of the male and the prolificacy of the females. A safe rule is to mate fifteen hens to each cockerel and ten to each cock on free range, and ten to each cockerel and seven to each cock in confinement.

There is quite a difference in fertile eggs and hatchable eggs. To hatch strong chicks the eggs must contain strong germs and the proper food elements to produce the chicks. The first twenty eggs a pullet lays generally do not produce very strong chicks. Likewise the first three or four eggs a hen lays after moulting, setting or resting from laying a very long time. Hens and pullets intended for breeding should never be forced for eggs during the fall and winter by the use of condition powders, hot mashes, large quantities of meat and other stimulating feed. It not only weakens their constitutions but is very apt to cause the egg-producing organs to become deranged, making them forever incapable of producing hatchable eggs. Feed the intended breeders on hard grains (principally whole corn and oats), dry mash, live cell green food, and animal food in small quantities only, and select for breeding the birds that lay best in cold weather with this ordinary treatment, and you will get strong, vigorous chicks. A wet (but not hot) mash fed lightly on a cold morning in early spring is a good appetizer to induce old hens to begin laying earlier than they otherwise would and to secure a large number of eggs for early hatching, but should always be used judiciously.

Of late years we have been hearing much of the advantages of intensive poultry culture, the advocates of various "coop" systems claiming that higher fertility and stronger chicks are obtained from breeding birds housed by their plan than those given more liberal range. Undoubtedly it is better to keep the breeders confined to the houses than to use yards so small that they are kept bare of vegetation and the soil becomes foul and contaminated by the droppings. But the ideal way to keep breeding birds is on free range every day in the year that they care to leave the house. All females, whether fowls, swine or horses, show greater fecundity when given free range than when confined. Breeders of Percheron horses find that after their pastures have been heavily stocked with horses for several years only a few of their mares will bear colts, and these will be poor quality, but turn on fresh pastures and nearly every mare raises a colt. Fowls stand confinement and ill-treatment better than other animals only because they are naturally vigorous and strong constituted.

Of course it is possible to confine the fowls to parks or yards so large and well arranged as to practically equal free range, but when I speak of confinement I mean keeping the birds confined to small coops or yards so small that the vegetation is killed after the first year. The yards to give the best range must be large enough to grow a luxuriant sod without reseeding every few years and should contain low



trees or bushes for shade. The ground should slope (preferably to the south or southeast) so as to let the surplus water quickly drain off after a rain. On free range the birds can find green grass almost the entire year; in the winter on the south side of hills and thick clump of trees, and in summer on hillsides sloping to the north and lowlands fed by streams of running water.

Of course green food as well as all other necessary foods may be supplied in confinement, but green food is the most expensive food one can feed in winter considering the labor required to produce and prepare it for feeding.

Improper food is often the cause of infertile eggs. While the food for breeding birds must not be of a stimulating nature it must contain an abundance of the elements necessary to produce the best grade of eggs and keep the birds in the best possible condition. Whole corn is a great body builder, keeps the gizzard exercising (which is very necessary for the best digestion) and never causes bowel trouble when freely fed as many other grains will.

Oats will balance the fattening tendency of the corn and furnish egg-making material in the most available form of any grain food. I have never been able to get the best results without feeding both of these grains. A variety of grains as necessary for best results and other grains should be added to the ration when a good quality is obtainable at

a fair price. Coarse, bulky food is necessary for the best digestion and infertile eggs are often due to a lack of it. Oat hulls, short cut alfalfa, bran, buckwheat hulls, etc., furnish bulk which when mixed with the more concentrated foods allows the digestive juices to easily penetrate the mass of food and render it easily assimilated. The oat hulls, etc., will also keep the digestive tract swept clean of bacteria, thus preventing white diarrhea, etc. In mild weather, where the breeders have free grass range, they will take care of the bulky food question by eating large quantities of weeds and grass, but when confined they are often forced to eat large quantities of the straw that is used for litter to supply their requirements along this line, this is dangerous as the straw is liable to become knotted in the crop, thus preventing the food passing out and causing crop bound.

When animal and green food is not available on the range they must be supplied or infertile eggs will result. Pumpkins and potatoes ground in a bone-cutter or root-cutter make cheap, easily prepared green food and are greatly relished by the fowls. For animal food fresh meat and bone in winter and buttermilk in hot weather is better than the dried beef scraps, but the latter is much better than no animal food at all. It certainly pays to be particular about the care of the breeders, as the success of the entire year depends upon the obtaining of strong, vigorous chicks.

## Woman's Success With Poultry

The Charitable Side of Poultry Keeping—Keep Only Such Stock That Can Be Fed and Cared for Properly.

By Anna W. Sawyer



HERE IS A STORY of two Highland farmers which reminds me of the kind of business that many of us are doing with poultry. They met on their way to church one fine winter morning.

"Mon," said Donald, "I was wonderin' what you will be askin' for your bit of sheep over by your steadin'?"

"Mon," replied Dougal, "I was thinkin' I wad be wantin' fifty shullins for that sheep."

"I will take it at that," said Donald; "but och mon, Dougal, I'm awful surprised at you a doin' business on the Sawbath."

"Business!" exclaimed Dougal; "Mon, sellin' a sheep like that for fifty shullins is not business at all—it's just charity."

And very frequently "charity" is the word. When the bird gets where the profit should put in an appearance, many of us have become discouraged and we sell out at less than cost. Season after season I have slaved, hatching and rearing downy chicks until they were about matured, and then as the grain bills increase or the first pullet eggs are delayed longer than I had anticipated, the birds were exchanged for good jingling coin—some less than I had put into them usually, but I theorized that as I was losing, then why wait a month or six weeks longer and perhaps lose more?

Eventually there came a time when the folly of such unbusinesslike methods struck me most forcibly, and I began at the first of the season with the determination to get the full profit from every chick reared, when to market an undesirable bird at the right time was a matter on which I felt the making or losing of a dollar rested, consequently throughout their growing period I was very liberal with the food supply, meanwhile giving all growing chicks every opportunity to develop properly. Really all they need is a chance; nature will do the rest. Sometimes when we see a market fairly glutted with serawny, poorly grown, poorly dressed poultry, we wonder if it really could have developed into real "chicken meat" had it been given a chance. Most of such stuff was never fed enough to make growth possible, and after such a bird has been starved into being a runt there is no use to attempt fattening it.

A most important point in raising poultry is to keep only such stock on hand as can be fed and cared for properly. A neighbor of mine this summer hatched and attempted to raise at least three times as many chickens as she could afford to feed, with the result that fully one-half of them had to be sold as serawny broilers, netting her really less than they had cost her in food and labor. The rest of the flock are poorly developed, there being not a really first-class bird in the flock. She tells me she is wintering a goodly number of pullets, but they have not begun laying yet. There is some-

thing wrong with the system where early hatched pullets do not lay by the first or middle of December. In this case it is lack of food of one kind and another. The old man who stopped feeding his hens in the fall because he knew he would not get any eggs until spring was not disappointed. The poultry keeper who does not want to waste grain on birds that are not laying had better sell the birds before they get too thin to market.

A thing which has lately come forcibly to my attention is the amount of printed advice which is brought to the attention of poultry keepers; and if you will take note of the matter you will find that it is rarely given as personal experience. Sometimes that little word "I" gets rather obnoxious, but in poultry articles I must admit I like it. When a breeder tells just what he has done or is doing, it does not seem so vague and far away as is the case with the writers who can so fluently tell just what ought to be done with poultry but who could not do it. What we need more and more in the poultry press is team work. If you have been successful in raising birds, in getting good egg yields, in reducing labor, in marketing your product, in making your business grow as it ought to grow if you like it, and are putting your best thought into it, men will rise up and call you blessed if you can successfully infuse these ideas into the heads of other poultry keepers. Let one breeder who has found it out publish the fact that Dwarf Essex Rape is the quickest growing and the very best green food that he can grow for his growing chicks through the summer. Let another tell of his success in housing birds in open-front buildings through intense cold, of the good effect such housing has on the egg yield and health of the birds; another may set poultry keepers right on the subject of hatching and brooding by hens, and so on, but let it be personal experience, or at least something that has come under the personal observance of the writer. Suppositions in the matter of poultry keeping may be all right for your personal threshing out, but do not make the mistake of giving out such as reliable information without at first making a few trials, after which it becomes your personal experience, when the little word "I" will not be objectionable.

### AMERICAN POULTRY JOURNAL YEAR BOOK FOR 1913

Your attention is called to page 27 of this issue, which fully explains the scope and magnitude of the forthcoming great "American Poultry Journal Year Book for 1913. This Year Book is rapidly nearing completion and the interest manifested in it by the large poultry breeders insures a large sale for this book. We are receiving letters every day commending us for undertaking such a gigantic task and everybody says it will fill a "long felt want" to the poultry industry of this country. Be sure to read the ad on page 27.





SINGLE COMB WHITE FAVEROLS FROM FIRST AND SECOND PRIZE PENS AT GRAND CENTRAL PALACE SHOW, NEW YORK, DEC. 1911  
Bred and Owned by DUKE ALPIN POULTRY FARM  
EAST HAMPTON, NEW YORK



# EDITORIAL

WE LEAD  
OTHERS FOLLOW

65,000 A. P. J.'S FOR JANUARY, 1913.

State of Illinois, County of Cook, ss.:  
G. M. Atwell, president of the Atwell  
Printing House, Chicago, being duly  
sworn, certifies that the American Poul-  
try Journal has contracted for printing  
and binding sixty-five thousand copies of  
the January, 1913, issue.

G. M. ATWELL.  
Subscribed and sworn to before me this  
20th day of December, 1912.  
(Seal) HENRY G. EISERT,  
Notary Public.

## OUR GUARANTEE.

We guarantee our subscribers against  
loss due to fraudulent misrepresentation  
in any display advertisement appearing in  
the American Poultry Journal, providing  
the subscriber when ordering the fowls  
or merchandise states that the advertise-  
ment was seen in the American Poultry  
Journal, and places the order during the  
month or months in which the ad is in-  
serted in our columns and notifies us of  
the fraudulent misrepresentation of the  
advertiser, giving full particulars, as soon  
as it occurs.

## Happy New Year

Wish each and every one of our Readers  
a most happy and prosperous New Year  
for 1913.

1912, while we have no reason to com-  
plain, has for many proved a poor year,  
a year of business depression, and one of  
not a few difficulties, especially for poul-  
trymen.

There is good reason to believe that the  
few disappointments which December  
brought were only the dying hurries of  
the poor Old Year. The depression of  
1912 has not been confined to the United  
States. Poultrymen in England and on  
the Continent have reported similar con-  
ditions. Fortunately, the period of de-  
pression appears to have settled into the  
trough of the wave and we are once more  
able to see business looking up and climb-  
ing toward the crest of better times.  
There is always reaction after a period of  
depression in business. The reaction has  
begun.

The New Year, 1913, promises well for  
improvement in business, for better times  
for the fancier and for the market poul-  
tryman. The outlook is good. It remains  
for all of us to do our best to make good  
the promise of better times and to do our  
best to make 1913 a year of Prosperity  
and Success.

Now that we have bid goodby to the  
Old Year, let's face front and look for-  
ward to good times coming. Sunshine  
always follows after rain. Good times  
always come after bad times. Make up  
your mind that you are going to work hard  
to secure your full share of the good things  
that are bound to come your way during

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most representative breeders of standard  
poultry and manufacturers of poultry ap-  
pliances in the country.

the next 365 days. 1913 owes you every-  
thing that is good, if you work for it.  
See that you collect what is due you.

## The Price of Market Eggs.

Early in November, with the weather  
crisp and every indication of some snap-  
ping cold weather, egg prices climbing  
steadily, and the demand good, we were  
led, with other forecasters, to venture opti-  
mistic predictions on the good times com-  
ing and the outlook for higher prices of  
fancy hennery eggs. We did not predict  
eggs at a dollar a dozen as some did, but  
we really believed that eggs would hold  
up at good prices until Christmas time.  
We were not disappointed on November  
prices, these held firm, and in some sec-  
tions rising until after Thanksgiving.

December, however, proved a disappoint-  
ment. Early in the month there was a  
drop in the price of nearby fresh eggs in  
practically all of the large markets. By  
December 10th the egg market had broken  
badly. Eggs dropped from ten to fifteen  
cents a dozen, in prices of higher grades,  
in some markets. December 14th the same  
quality of eggs which had been selling at  
55 cents a dozen, wholesale, in November,  
were bringing only 40 cents a dozen.

Hennery egg receipts were reported  
heavier with prices decidedly lower and  
small eggs, though fresh, were selling at  
an appreciable discount from these prices.  
The break in prices was attributed to var-  
ious sources: 1. The very mild and  
spring-like weather of the first two weeks  
of December, which is said to have in-  
creased the yield. 2. Heavier receipts of  
fresh eggs in the market, with reports of  
increased yield. 3. Weaker demand owing  
to high prices causing shrinkage in con-  
sumption.

Undoubtedly these three factors had an  
influence on the market. However, noth-  
ing is said about gambling in eggs, that  
never were laid, for future delivery, and  
the influence this may have had on prices;

or of similar procedure with eggs that  
were in storage. Little is said about the  
anxiety to get rid of storage eggs and the  
possible demoralization of the market by  
efforts to dispose of these while the owners  
were becoming panicky over market condi-  
tions. Newspaper talk about high cost  
eggs and the excessively high cost of liv-  
ing, much of which is greatly exag-  
gerated, also had its damaging effect both  
on consumption and on the market price.

Statistics don't show an alarming in-  
crease in the receipts of eggs for Decem-  
ber in our city markets, and it is stated  
that there was no large increase, but it  
took very little to overstock the market.

December weather has not been so very  
different from what it was a year ago.  
We doubt if the actual production of eggs  
in relation to the number of fowls kept  
was so very much different for December,  
1912, from that of December, 1911. We  
are told that severe winter weather will  
help matters and that with the advent of  
cold weather prices will climb again. We  
hope so, but we wonder just how much the  
weather really has to do with it. Eggs are  
not alone in the price drop, quite a few  
other commodities have taken a tumble  
and we can't see how the weather could  
have influenced some of these.

Another factor which has not been with-  
out influence is the so-called "food  
fraud" reform movement under the aus-  
pices of a number of women's leagues  
and in collaboration with some misguided  
"food specialists." Like most reform  
movements the work is conducted along  
spectacular rather than practical helpful  
lines and as often happens the cart is  
placed before the horse; that is, the at-  
tempt at reform is a backward rather than  
a forward movement. We don't question  
that there is need of reform in the  
methods of handling and selling food-  
stuffs; also, that there is need of reform of  
some foodstuffs in order to secure a whole-  
some supply. But, the mistaken idea of  
"breaking the corner in eggs" in Decem-  
ber, when normally fresh eggs should be  
high because of actual scarcity and higher



cost of production, has elements of the spectacular and the absurd in it. It is stated that in several of our large cities the reformers bought up supplies of fresh eggs in surrounding country at close to normal market prices, they secured considerable supplies and then dumped them into the city markets at 24 cents a dozen, about half price, in an attempt "to break the corner" and force the price of eggs down. It is said that in Philadelphia one million dozen eggs were sold at 24 cents per dozen, breaking the market. In Chicago a campaign was started to break egg prices by selling quantities of eggs at 24 cents a dozen. In New York and Boston the same movement was pushed. The statement was published in New York that: "Unless the retail dealers of New York lower the price of eggs and keep it down to a normal figure, the housewives of the five boroughs will go out in the streets with carts and wagons and undersell them."

Reader, think a moment. Eggs, so far, for the winter of 1912-13 have not been so very different in price from past years. There has been more talk about it and more printed about it, however. Think what the quality of the eggs used in this movement must be, if the "reform crusade" is to last more than a few days. It is not going to do any good to buy eggs from the producers at 40 cents a dozen and sell them to consumers at 24 cents a dozen. It can't last long. The actual supply of really new laid eggs isn't going to accommodate itself to the requirements of this crusade. There are going to be a lot of eggs of doubtful character sold if the crusade keeps up. It does not look like "reform" to us; it is more like monumental folly.

Fifty cents a dozen or even 60 cents a dozen is not an exorbitant price for strictly new laid, properly-fed eggs in winter. It costs money to make winter eggs, more than it does to make eggs in the spring. Egg production in the fall and winter season is normally less than in the spring. To enable the egg farmer to get a fair return for his labor the top price has got to go high enough, and be maintained long enough, to bring the average price for the year where it will show a fair profit. If eggs are to drop to 20 cents in spring and summer they ought to go to 50 or 60 cents for the few brief weeks of extreme scarcity in winter.

During 1912 when eggs were at the lowest prices, grain and supplies were unusually high in price. Chicken meat for the whole year did not reach the price that it should have reached in proportion to the other meats and to the actual cost of production. Now grain and supplies are easier and the man who has weathered the period of high cost of production ought to have an opportunity to balance his shrinkage from a hard season and high cost of supplies.

Any reform movement which will react as a hardship on the producer will never do any permanent good. We don't believe that this "reform" crusade is going to amount to more than the proverbial "hill of beans" anyway.

When the reformers really and sincerely want to reform things, they won't adopt present spectacular methods and gallery play. There is room for reform in investigating dishonest commission dealers, traders who gamble with egg and produce prices, and dealers who rob the producer and the consumer alike. Any reform movement that will help to abolish these tricksters will get hearty support from the many honest dealers who sell honest goods

at honest prices and make honest returns to the producers.

There is money in poultry and eggs, good honest fair profits to pay for honest labor, but there is not an extravagant or extraordinary profit, such as have been widely advertised, perhaps to the extent of making some folks believe that it is robbery to charge 60 cents for a dozen eggs. The little flurry and excitement in eggs is going to quiet down and things are going to settle down to normal supply and demand, with a good fair price for good goods.

Unless there should be exceptional and unprecedented production of eggs we need not look for abnormally low prices for the balance of the winter. Snapping cold weather is certain to stiffen prices though it may shorten production for some flocks. In the meantime, while prices still hold at winter figures, let every poultryman who can bestir himself to get a private trade in eggs, contracting to deliver so many dozen weekly at a stated flat price the year around. In spite of market flurries the private trade in eggs has not paid much attention to the fluctuation in prices. We know quite a number of egg farmers who contract their entire output to special private trade at from 35 cents to 45 cents per dozen the year around. Hotels, clubs, spas, drug stores and some families are making contracts of this sort now. Why not get busy, secure your share of the trade and then let the market behave just as cussed as it wants to?

#### Damage to Eggs During Transportation

Farm-Poultry clips an article from the New York Produce Review on "Damage to Eggs in Transit" and comments on same editorially in the December issue. Mr. Robinson suggests that here is an opportunity for inventors to perfect an egg case that should make a fortune for the originator; "that is, if the best solution of the problem is a package that will stand no end of jarring and rough handling," he says.

Mr. Robinson further comments: "It seems to us that such a package will cost more, and that it is at least open to question whether it would not be better for the railroads to adopt methods less destructive to fragile goods than for shippers to undertake to pack such goods to withstand unnecessarily rough handling. There is also a question whether the breakage is not largely due to careless handling and to weak shelled eggs."

We add a hearty "Amen" to that. We have been handling a good many shipments of eggs, covering a considerable period of time in several different localities. During the past season we have shipped a good many eggs from our home plant and in various sorts of packages. We have also commuted to a considerable extent on suburban roads and travelled in combination smokers and baggage cars, where we could see the actual handling of eggs and other goods during transit. Our American railroads don't seem to care much how they handle human freight, much less merchandise, and it is getting so in New England that a man should say a little prayer of thanksgiving every time he travels a few miles by rail and reaches his destination in safety.

To return to express and freight handling, the complaint of destructive handling is an old one and a just one. We have repeatedly seen boxes or cases of fragile goods thrown from the car door to land cornerwise on the rails or platform and many times we have seen rail-

road and express company employees raise boxes above their heads and throw them forcibly down on other packages when less rough handling would have taken less strength and effort. The term "baggage smashers" was certainly earned by the rank and file. When one sees goods in transit carefully handled, it is the exception and not the rule.

Our special fancy eggs for table use of private trade are wrapped in tissue paper like fancy fruit and packed in cartons, but these cartons have to be carefully packed to stand transportation without damage. Wholesale trade does not care for eggs packed in this manner and prefers them in the regular cases as the eggs are liable to handling many times before reaching the consumer.

There are a good many kinds of cases and more kinds of fillers. The brown, lock joint, strawboard fillers are the best we have used. We use some heavy returnable cases, but as a rule they are more or less of a nuisance. For one thing it takes a lot of the returnable cases to do any sort of business. The cases are heavy and rather expensive when service is considered. It is often difficult to get them returned and a good many are lost.

Because a returnable case looks strong and substantial it gets much rougher handling during transportation than the lighter non-returnable case. For this reason a good many eggs are cracked and broken in returnable cases.

For market eggs we like best the inexpensive light weight non-returnable case to hold 30 dozen. There should be sufficient space at top and bottom to permit a 3/4-inch layer of excelsior for additional protection from jar. The case looks flimsy and as if it would easily smash case, contents and all, if roughly handled, —and, by the same token, the express and freight huskies handle it gently for fear of a large and visible messy omelet where they can't avoid getting "caught with the goods." While the trade continues to prefer eggs loose in easily handled fillers, we are not likely to find a much better package than the light weight wooden cases.

We haven't yet found a case that just suits us, but at the present time the light weight western cases bought second hand at stores prove the cheapest and best egg packages we can get, and ones that carry the eggs with the least loss. Hatching eggs go well in the same kind of cases, when sawdust is filled in around them and the outer rows of eggs are omitted and the cells filled with sawdust. For small shipments of hatching eggs, one of the many good special packages are best.

No matter how fine an egg package you have, rough handling during transit will smash the eggs unless the packing is resilient and the egg is firmly held in place. Even then the handlers during transportation will find a way to smash some for you. If every shipper and receiver of eggs would promptly present a bill and claim to cover the loss of damage during transit, the transportation companies would perhaps give more attention to securing reasonably careful handling.

Of course a good many damage claims are now presented, and among the larger shippers and the transportation companies there is almost endless controversy about damage claims. The carriers assert that some 80 per cent of freight charges on eggs are now reclaimed as damage for breakage. At the same time if all damage was paid for, it would considerably exceed the freight charges, in all probability. Conditions in transportation of fragile goods appear to be growing steadily worse



instead of better, and there are undoubtedly a great many small lot shippers who don't make damage claims and have to pocket their losses.

We don't believe that the solution of the damage problem is a more perfect package, the present system of handling would smash a steel case and contents, even if the fillers were resilient and snug fitting. What we need is less rough handling and less carelessness in transportation.

Weak shells may cause some losses, but not where eggs are graded properly before packing. Careless handling by receiving clerks where eggs are repacked breaks and checks many more, but the wholesale damage is done while the railroads have the goods in charge. After seeing mail bags stamped and trampled upon and kicked about in baggage cars we are wondering how many eggs are going to live through a parcels post journey. Let's hope for the best.

### E. B. Thompson a Candidate for President of the American Poultry Association

It has recently come to our attention that after careful consideration and on solicitation of his friends, Mr. E. B. Thompson of Amenia, N. Y., has decided to become a candidate for nomination for president of the American Poultry Association at the coming election. We know of no one more fitted or better qualified to fill this important office than Mr. Thompson. Mr. Thompson has had many years' experience in breeding thoroughbred poultry, has a perfect knowledge of the needs of the poultry business, has had a long experience in mercantile lines, is a man well versed in parliamentary laws, and is well known and universally admired from one end of the country to the other. He has never sought office before, and is not doing so now, but his friends have urged him to become a candidate, and he has finally consented.

Lewis G. Heller, poultry judge, Bridgeton, N. J., announces himself as a candidate for a member of the Executive Board of the American Poultry Association, subject to the approval of the members of the same. Mr. Heller is a well-known judge in the eastern states, and is a man who believes in a square deal for everybody.

### DR. WOOD'S NOTES AND COMMENT.

Happy New Year friends and readers,  
Loud the greeting's sounding true,  
Hear the New Year's welcome ringing,  
Happiness and good times bringing  
To the world, good friends, and you.

1913, we salute you! May you prove a prosperous new year to all of our friends and may all who strive for it win success. We wish all readers of American Poultry Journal long life, happiness and prosperity. When Opportunity knocks at your door we hope you will be on hand and seize her, and that through plenty of push and pluck you will win all the blessings that health and wealth can bring.

This issue begins the forty-fourth volume of American Poultry Journal, the "oldest and best poultry magazine in the world." With the excellent team work of our staff of good workers we hope to make the 1913 Journal still better than our best effort to date. Suggestions from readers have been most valuable and helpful throughout our growth and development; we hope to hold your interest and welcome co-operation through the years to come.

With the preparation of copy for this January, 1913, magazine we close our second year as managing editor of American Poultry Journal. We take this opportunity to express our appreciation of the efficiency, fine team work, good fellowship and friendship of each and every member of the A. P. J. staff of workers from the printer's devil to the editor-in-chief. It seldom falls to the lot of man to work in such good company, where loyalty and whole-hearted co-operation are everywhere and where petty meanness is unknown. We have enjoyed our first two years at the helm of A. P. J. and our "hat is off" to the commander who sets our course; may Editor Bell live long and continue to prosper. It is with great pleasure and satisfaction that we look forward to the work of the new year, 1913.

The new year brings an opportunity that lovers of good poultry should not miss. The great New York Show has dates at the garden December 31, 1912, to January 4, 1913. The great Boston

Show dates are January 7 to 11. Only two days between the close of New York Show and the opening of the Boston Show. Boston is only five hours from New York. The hotel service is good and there are plenty of good things to fill in two days in either city. New York Show has been termed the "business show," and Boston the "fanciers' show." As a matter of fact both are fine, big shows; there will be plenty of business and plenty of good birds at both. Boston is offering special attractions this year and promises to outdo previous efforts. Better plan to see both shows.

"Bathing is the only real exercise a duck can take, for, unlike the hen, she cannot scratch," says Uncle Mike Boyer in the New York Produce Review.

Well, well, WELL! Now we know what it means when it is said that some folks never take any "real exercise." But who would have thought it of the ducks or Uncle Mike? We have always been rather interested in ducks. We've watched them parade single file and in company formation all over the fields by day and by moonlight. In our benighted condition we supposed they were exercising, but now we learn that it wasn't "real." Likewise the muscular contortions in which ducks indulge when eating and conversing, and their delightful diving and swimming stunts, are, we suppose, not the "real" thing. Well, Well, and they "cannot scratch." We wonder if Uncle Mike ever picked up a full grown Muscovy duck by the neck. We know one judge of water fowls who did, and he says they can and do scratch, and that they have very long sharp toenails. Wonder who is "kiddin' us." Ever see a duck fly, Uncle? Quite a lot shot on the wing at Silver Lake this season.

"Bob" Essex, with his characteristic thoroughness, is digging deep for valuable information for the American Poultry Association's Market Poultry and Egg Standard. He is interesting the trade associations in the work and is evidently conducting his investigations in the right direction. With the able assistance of the other members of his committee and the sub-committees we should finally get results that are interesting and worth while. The Market Standard committee has undertaken a work that will call for careful investigation, thoroughness, and good team work with the chairman and associates on the part of everyone connected with the work, and it will be some time before the standard can be completed. In the meantime the work is in good hands and we shall await results with interest. Success to your efforts, gentlemen.

John H. Robinson visited the government poultry farm at Beltsville, Md., about three weeks after we had been there and, in the last issue of his paper, he comments on two matters in which his opinion differs from ours. Good, our friend John seems to be in his normal frame of mind and we need no longer suffer from his lack of attention. It is, however, gratifying to have John admit that this time we got there first. Three weeks is quite a long time, and, fortunately, everybody does not see things from the same point of view. We certainly wouldn't want our friend the "pioneer" to like everything we like just as well as we like it. Happy

## WHITE ORPINGTONS

### An Established Strain with an Established Record

Write for catalogue giving list of winnings at Madison Square Garden, Chicago, Buffalo International, Cleveland, Allentown, Hagerstown and Pittsburgh. We have supplied hundreds of guaranteed winners and have started thousands of people in the chicken business with breeding stock at moderate prices, quality considered. We are now booking orders for winners for the fall and winter shows, in Single Comb as well as the new Rose Comb White Orpingtons, on payment of a small deposit.

### We have improved the White Orpingtons and we can improve your flock

A few bargains left in yearling breeders. "Poultry for Profit" gives the essentials of the poultry business. Price 25 cents. It contains no advertising. Our advertising is free for the asking.

**LAWRENCE JACKSON FARM**  
BOX A, HAYSVILLE, ALLEGHENY CO., PENNA.





New Year, John! Glad we're not forgotten.

\* \* \*

W. T. Pittman, of the Allentown (Pa.) Fair Poultry Show, is reported in the daily papers as predicting, during the second week in December, that eggs would in a few weeks cost \$1 per dozen. This statement inspired "Hank" to the following outburst in the Boston American that is good enough to pass along. Here it is:

"I saw a thousand frantic men go running up the street,  
I saw a justice hurry by, a copper leave his beat;  
I followed in the rushing crowd, the hordes of hustling legs,  
And in a window saw displayed a dozen new-laid eggs.

"I saw a million cheering men along the sidewalk stand;  
I saw them lowly bow before a man with bearing grand;  
A guard of soldiers marched along to keep from him all harm,  
And then I learned the reason why, he owned a chicken farm!"

\* \* \*

We are now inclined to be a bit skeptical about some of the predictions concerning the prices of eggs this winter. In some exceptional cases eggs have reached the top price of 75 cents per dozen at retail to special fancy trade in some localities, but the sales at this figure have not been large. The highest prices we have received this season to date are 55 cents a dozen wholesale, and 60 cents a dozen retail. These prices were held between November 10 and December 5, 1912. Then the price dropped to 52 cents wholesale. Then we received 50 cents per dozen, and on December 10 the wholesale price was 48 cents per dozen. As our pullets are producing remarkably well we can't find fault with conditions. It is quite probable that the very mild early December weather had a good deal to do with this unusually early drop in egg prices. Severe cold weather a little later may boost egg prices again, but we now do not look for them to go much above November's top prices. Had the first promise of cold weather held, instead of shifting to mild almost summerlike weather, the prediction of very high prices by Christmas time might have been realized. A

good, cold holiday season and a cold January would help a lot toward higher prices.

\* \* \*

It is odd how far from the truth newspaper reports of great demand and high prices of eggs often are. In our large cities the demand for nearby eggs is generally very good and the prices fairly steady. In the small towns you can't always rely on the reports even when direct from the market. When eggs were selling at 55 cents by the case, dealers in two nearby towns told us that their trade was fairly begging for strictly new-laid eggs and wouldn't we please send them a case or any part of a case. We were shipping to the city and did not like to hold back any shipments, although we disliked to disappoint nearby dealers. The request was made so urgent that we sent each dealer a case and agreed to supply each a case a week. One case "stalled" the first dealer, and the second took two cases a week until he had ten cases and then stopped ordering because he was "overstocked." The city trade never gets overstocked and always wants more than we can supply, so, although we continue to see in print that there is an egg famine in the nearby town, we don't consider it worth developing as a market.

\* \* \*

Barnum, the great showman, said that "The people like to be humbugged." Certainly they appear to like to be humbugged in the matter of poor foodstuffs, and particularly eggs. Recently a new poultry farm where everything was new and clean, the fowls in fine condition and well fed, attempted to get a house to house trade on selected fresh-laid eggs at the regular market prices. The man in charge of distribution even went so far as to offer sample packages, neatly packed, not to be paid for until used and found satisfactory. It didn't work, and after wasting several long trips with very few sales the eggs were turned into the regular market channels. Now comes the amusing part of the story. About two weeks after, a man on foot called at the farm and wanted to engage 100 dozen eggs a week to supply private trade. He said he peddled the eggs out from his basket as eggs from his own farm. He further stated that he was buying a good many of his eggs

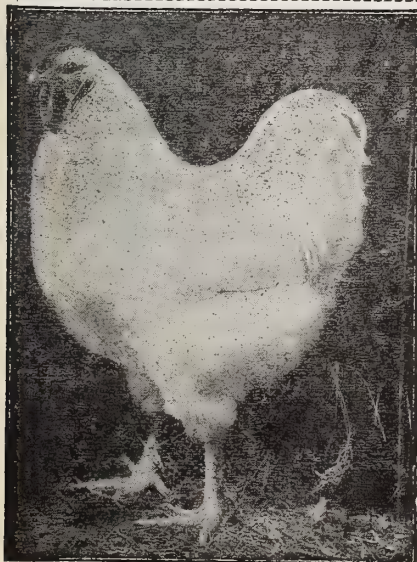
from Mr. B's store, but wanted more than B would let him have. Now the poultryman knew that B had been buying storage eggs and that he had just bought some 50 cases of cold storage eggs at a low price, also that B said he wouldn't buy new-laid eggs as they were too high and he had no market for them. Therefore our friend, the poultryman, declined to sell to the egg peddler, feeling certain that if he did so the eggs would be mixed with the storage goods and then might be reported as from his farm. He was much amused to find that the people would eagerly buy eggs from so doubtful a source, but could not be induced to try his new-laid guaranteed product.

\* \* \*

In a small city store this winter, while eggs were selling at 60 cents, we noted a basket of eggs marked "Strictly Fresh Eggs, 45 Cents a Dozen." Right above the counter, on which the eggs were displayed, was a sign which read, "Cold Storage Goods Sold Here." This last sign was required by state law, but we doubt if many noticed it. The eggs were out of storage and were anything but fresh, yet because the price was "cheap" and the sign said "strictly fresh," the eggs sold readily to customers who would have declined them had they known the real character and quality.

\* \* \*

It is stated on good authority that the prices of provisions forty years ago averaged higher than they do today. Some things are higher in price now than they were then, but many are much lower in price, while other goods are about the same. The same authority says that we are not suffering so much from the high cost of living as we are from the cost of high living. This may be true, but one thing is certain: we are suffering a lot from impure and adulterated foods in spite of the pure food laws. It is fast getting so that we can well question everything we contemplate putting in our stomachs, unless we know where and how it was produced. Positively poisonous adulterants are now used in foods to an alarming extent, and some modern methods of manufacture take all, or nearly all, the life sustaining mineral elements out of foodstuffs. The result is various forms of intestinal irritation, auto-intoxication, faulty cell metabolism.



Crusader III, a Boston Winner

## Regal White Wyandotte Book

This is without doubt the most complete book ever published dealing wholly with the White Wyandotte. It is full of illustrations from life and its pages deal with a variety of subjects, including chapters on origin, description, feeding, care of breeding stock, fertility, color characteristics, raising young chicks, washing and fitting for exhibition, poultry diseases, etc.

My object in issuing this book is to bring to the attention of every White Wyandotte breeder the Regal Strain, America's finest White Wyandottes. The magnificent winnings of the strain have never been equalled. New York State Fair, seven years, 36 blue ribbons out of a possible 42.

Until the present edition is exhausted I will send a free copy of the Regal White Wyandotte book to anyone sending 4c in stamps to pay postage.

2,000 cocks, hens, cockerels and pullets for sale. 300 exhibition cockerels and pullets ready for the show room now. 100 big, vigorous, snow-white cockerels from my heavy laying Dorcas line, \$10, \$15, \$20, \$25. Pullets of same breeding, \$5, \$8 and \$10 each. Utility cockerels, \$3 and \$5 each. Catalogue and mating list free.

John S. Martin, Box 51, Port Dover, Ont., Can.



ism, or obscure ailments which make chronic invalids or business for the undertakers. Isn't it about time to wake up and do something about it? The pure food movement has developed into pretty much of a farce so far as any real protection of the people goes. What we want to know is, Do the people care a "continental cuss" about it, anyway? It looks as if they really liked it. Still, even if the adults find pleasure in being poisoned slowly but surely, it really is a shame to inflict it on helpless children and babies.

\* \* \*

Frank C. Hare, of the Standard and Poultry World, has become much interested in open-front poultry houses. We predict that if he uses the right kind, in the right way, he will be an earnest fresh-air advocate. He writes us that he found that he either had to keep his hens confined in the house or let them out all the time, for if kept in and then let out occasionally they were discontented and tried to get out all the time. He found sprouted oats "worth their weight in gold" as a producer of contentment and when he fed them liberally on sprouted oats the hens forgot all about wanting to get outside. There you have it! We keep food before our fowls all the time; we feed greens liberally; we let them stay in or go out when they please, and only close the hen-door slides at night and during prolonged wet, sloppy weather in winter, and we don't find any discontent. Ours are mostly a very happy bunch and the most talkative bunch of gossips one ever saw. They sing the "craking song" or mating chant from dawn until dark, except when changing the tune to a cackle.

\* \* \*

We note that Harold A. Nourse is now proprietor as well as editor of the Poultry Herald. We congratulate him on the ownership of a very interesting and attractive journal and wish Mr. Nourse prosperity and happiness for the New Year.

\* \* \*

Reese V. Hicks states that he will not run again for the office of president of the A. P. A. The Buffalo Poultry and Pigeon Club has endorsed Robert H. Essex as a candidate for the A. P. A.

presidency. "Bob" would make a good one. Pretty soon the woods will be full of candidates and there will be plenty of talk on the subject at the big shows.

\* \* \*

Clifton W. Whitney now has his name at the masthead of Profitable Poultry, of Boston, as editor, and he has located on a farm in Southboro, Mass. We extend congratulations and best wishes.

We have every reason to believe that Editor Whitney will "make good."

Maryland Agricultural College, College Park, Md., is offering an excellent "short course" in poultry husbandry January 20 to 25. The lecture and demonstration programme promises a great deal of interest and practical value. Particulars can be obtained of W. T. L. Taliaferro, College Park, Md.

## The Great Chicago Show

### List of Exhibitors and Prize Winners

S. E. Ackley, Frankfort, Ind.  
Aldrich Poultry Farm, Columbus, Ohio.  
Mrs. E. E. Amos, Kendallville, Ind.  
C. H. Anderson, Galesburg, Ill.  
Fred. A. Anderson, London, Ontario, Can.  
M. A. Anderson, 3521 19th Ave., Minneapolis, Minn.  
J. E. Armstrong, 10638 Prospect Ave., Chicago, Ill.  
T. Augustin, Orland, Ill.  
A. C. Arny, 211 S. Dudley St., St. Anthony Park, Minn.  
Edw. Brown, R. 37, Mendota, Ill.  
E. L. Bramlet, Eldorado, Ill.  
Blue Bell Farm, Glenview, Ill.  
C. A. Besuden, Cincinnati, Ohio, Box 359.  
Arthur Bruning, Whitewater, Wis.  
C. H. Barnes, Kalamazoo, Mich.  
A. C. Brunow, 5716 Honore St., Chicago, Ill.  
J. S. Bennett, 325 Fairview St., Belvidere, Ill.  
O. A. Brown, Van Wie Logan Sts., Rockford, Ill.  
Aug. W. Barth, Kenosha, Wis., R. 36, Box 25.  
Besuden Bros., Cincinnati, Ohio.  
George Beckman, Ixonia, Wis.  
W. L. Bowen, Albion, Ind.  
H. F. Bergner, 2806 E. 93rd St., Chicago, Ill.  
Charles J. Behrendt, 309 S. Webster Ave., Green Bay, Wis.  
George L. Buell, Lorain, Ohio.  
Buschman-Pierce Red Farm, Carmel, Ind.  
George L. Bradley, Xenia, Ohio.  
Fred Bowers, Woodstock, Ill.  
J. S. Bales, Springfield, Ill.  
F. S. Bullington, Richmond, Va.  
E. I. Barker, 1310 Judson Ave., Evanston, Ill.  
August Barkmeier, Exeter, Neb.  
Wayne G. Barrows, Crystal Lake, Ill.  
Charles A. Bartholomew, Valparaiso, Ind.  
Will M. Beadle, Marcellus, Mich.  
Roy R. Beck, Galesville, Wis.  
Mrs. C. Behensky, Hinsdale, Ill.  
Bellefontaine White Orpington Yards, Bellefontaine, Ohio.  
E. L. Bemis, 289 4th St., Fond du Lac, Wis.  
A. R. Bentley, Harvard, Ill.  
M. J. Bergmoser, 1689 Dorr St., Toledo, Ohio.

George A. Bigler, Bentonsport, Iowa.  
Black Point Poultry Yards, Zenda, Wis.  
Ira Blake, 215 N. Tremont St., Kewanee, Ill.  
Dr. Guy Blencoe, Alma Center, Wis.  
A. Bloese, Jefferson Park, Ill.  
Blue Ribbon Poultry Farm, Columbus, Ind.  
Frank Boyd, Broken Bow, Neb.  
Ernest N. Brancher, 5213 W. Monroe St., Chicago, Ill.  
Brackenfield Farms, Rochester, Minn.  
Mrs. Charles S. Brent, Oconomowoc, Wis.  
Thomas Brogden, Rush Lake, Wis.  
Edward J. Brundage, 1145 The Rookery, Chicago, Ill.  
A. J. Bullis, Goodland, Ind.  
Joseph Burrows, Des Plaines, Ill.  
W. H. Bushell, David City, Neb.  
C. O. Crebbs, Stafford, Kan.  
J. W. Clark, Scranton, Iowa.  
C. E. Clapp, 10716 Groveland Court, Morgan Park, Ill.  
R. C. Cran, Butler, Ind.  
Crowe & Beebam, Owosso, Mich.  
Ira M. Crowther, Willoughby, Ohio.  
C. C. Collier, 964 Logan Ave., Chicago, Ill.  
Cherry Red Poultry Co., Cary Station, Ill.  
J. H. Carpenter, M. D., Glen Ellyn, Ill.  
Rudolph M. Cure, Worth, Ill.  
C. W. Chapman, Platteville, Wis.  
W. C. Coffman, Benton Harbor, Mich.  
D. M. Covert, Willoughby, Ohio.  
W. E. Cowan, Waterloo, Iowa.  
Roy C. Church, Elkhorn, Wis. Route 2.  
E. H. Cook, Huntley, Ill.  
Marion H. Culver, Glencoe, Ill.  
William T. Cameron, Aneta, N. D.  
Carlisle Farm, Bellefontaine, Ohio.  
Carmichael & Crouse, Perry, Iowa.  
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L. K. Carter, 1014 N. 12th Ave., Maywood, Ill.  
W. H. C. Chambre, Box 272, Winnipeg, Manitoba, Canada.  
P. M. Chapman, Alma Center, Wis.  
W. O. Chase, Hillsboro, Ill.  
Frank C. Cleveland, Morgan Park, Ill.  
R. C. & R. L. Connolly, 481 Sheridan Road, Waukegan, Ill.  
B. E. Craig, Box 112, Davis City, Iowa.  
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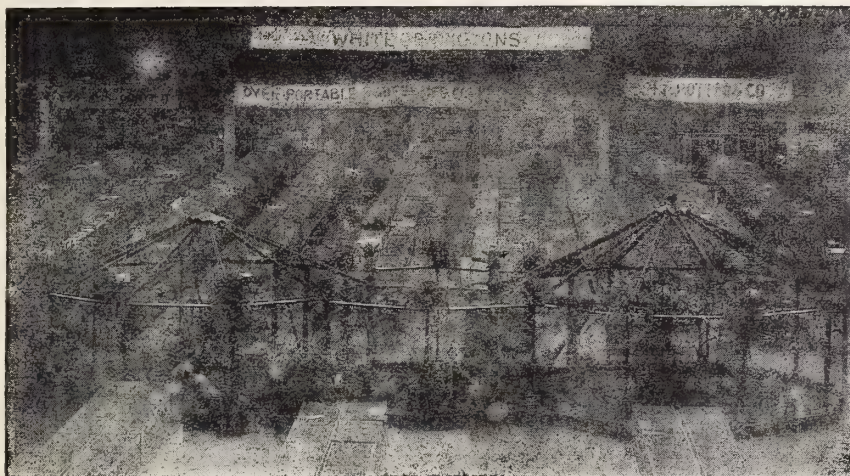
**Geo. H. Rudy, R. 15, Mattoon, Ill.**



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 L. J. Dernberger, Stewartsville, Ind.  
 Dr. W. F. Dunham, Kempton, Ind.  
 George Dyson, Rushville, Ill.  
 William S. Damhorst, 1106 N. 10th St., Quincy, Ill.  
 Carl Dare, Osceola, Iowa.  
 Arch Darrow, 300 S. West St., Waukegan, Ill.  
 Dartmoor Yards, Oconomowoc, Wis.  
 A. Didrickson, Whitewater, Wis.  
 Gust. Dietze, 4416 Cullom Ave., Irving Park, Ill.  
 Dr. G. C. Duncan, 301 Security Bldg., Oklahoma City, Okla.  
 Emerson & Mumford, 623 Prospect Ave., South Pasadena, Cal.  
 William Erfurth, 9235 Commercial Ave., South Chicago, Ill.  
 William Etzensperger, Willoughby, Ohio.  
 Excelsior Poultry Farm, Jonesdale, Wis.

Jos. H. Fischer, Frohna, Mo.  
 Fairfield Farm, Hinsdale, Ill.  
 P. A. Fosselman, Route 6, Waverly, Iowa.  
 F. C. French, 1044 S. Wyoming St., Butte, Mont.  
 J. S. Frazier, Advance, Ind.  
 H. B. Fletcher, 4639 Humboldt Ave., Minneapolis, Minn.  
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 G. H. Harnley, 2305 Eliza Ave., Zion City, Ill.  
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 Iowana Farm, Poultry Dept., Davenport, Iowa.  
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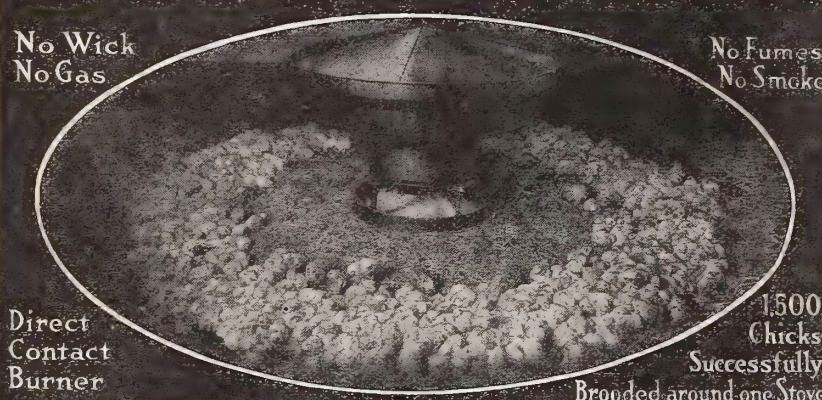
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Direct  
Contact  
Burner

1500  
Chicks  
Successfully  
Brooded around one Stove

## BROODER STOVE

### Saves <sup>Nine</sup>/<sub>Tenths</sub> The Work

Just  $\frac{1}{10}$  the work if you use the Simplex Brooder Stove.  
 $\frac{1}{4}$  the operating expense.  $\frac{1}{10}$  the investment.  $\frac{1}{10}$  the worry.

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Bring through to maturity hundreds of chicks that you would other-wise bury. Get more money and do less work.

Why break your back when you can save 90% of the work with a Simplex Brooder Stove. You are spending many laborious hours caring for a few hundred chicks in small old-style hovers and brooders. Save that energy. No more daily cleaning of small brooders. No more smothered chicks. No more dirty, smoky, unreliable lamps. No more costly, cumbersome heaters and pipes.

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#### White Plymouth Rocks.

Cocks—C. O. Preston, 1; Owen Farms, 2-3-5; Peter Olle, 4.  
 Hens—Guy Daily, 1; Maple Farm of Midlothian, 2; Owen Farms, 3-4; Peter Olle, 5.  
 Cockerels—Owen Farms, 1; G. E. Schreff, 2; E. L. Bramlet, 3; Peter Olle, 4; Guy Daily, 5.

Pullets—Owen Farms, 1-2-3; Peter Olle, 4; Chas. D. Ettinger, 5.  
 Breeding Pens—Guy Daily, 1-3; Owen Farms, 2-4; Chas. Ettinger, 5.

#### Partridge Plymouth Rocks.

Cocks—S. A. Noftzger, 1-3-4; Peter Olle, 2; F. N. Perkins, 5.

Hens—The Rockwood Farm, 1; F. N. Perkins, 2; S. A. Noftzger, 3-4-5.  
 Cockerels—S. A. Noftzger, 1-2-3; The Rockwood Farm, 4; F. N. Perkins, 5.  
 Pullets—S. A. Noftzger, 1; F. N. Perkins, 2-3-4; W. H. Lane, 5.

Breeding Pens—S. A. Noftzger, 1; C. A. Besuden, 2; The Rockwood Farm, 3; F. N. Perkins, 4-5.

#### Buff Plymouth Rocks.

Cocks—C. H. Barnes, 1; Jas. E. Sinclair, 2; F. J. Perrin, 3; C. P. Jungels, 4; J. E. Foy, 5.

Hens—C. H. Barnes, 1; F. J. Perrin, 2; C. P. Jungels, 3; Karl Michener, 4; W. H. Hobbie, 5.

Cockerels—Arthur Bruning, 1; W. R. Hobbie, 2; Karl Michener, 3; E. H. Lichtenwalter, 4; C. E. Clapp, 5.

Young Pens—E. P. Jungels, 1.

Old Pens—C. H. Barnes, 1.

#### Silver Penciled Plymouth Rocks.

Cocks—C. P. Jungels, 1; Carl Dare, 2.

Hens—C. P. Jungels, 1; Carl Dare, 2.

Pullets—C. P. Jungels, 1; Carl Dare, 2.

#### Columbian Plymouth Rocks.

Cocks—A. E. Farmer, 1; Henry Horton, 2; W. R. Craun, 3; Jas. H. Taylor, 4.

Hens—Henry Horton, 1; A. E. Farmer, 2; W. R. Craun, 3; Jas. H. Taylor, 4.

Cockerels—Jas. H. Taylor, 1; Henry Horton, 2; A. E. Farmer, 3-5; W. R. Craun, 4.

Pullets—A. E. Farmer, 1; Jas. H. Taylor, 2.

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Cockerel-Bred Hens—Plymouth Poultry Yards, 1; D. M. Covert, 2; Chas. Reed, 3; Geo. Dyson, 4; W. W. Henderson, 5.

Cockerel-Bred Pullets—Geo. Dyson, 1; Pullins Bros., 3; W. W. Henderson, 4; W. E. Cowan, 5.

Pullet-Bred Cocks—A. C. Hawkins, 1; G. Earl Hoover, 2-3; Chas. T. Reed, 4; Arthur Irvine, 5.

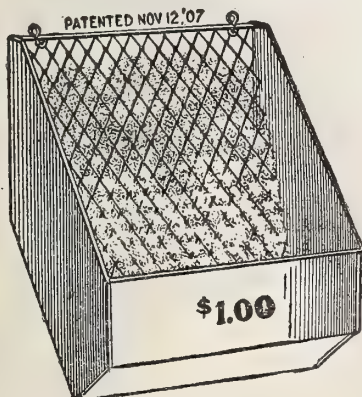
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Breeding Pens—A. C. Hawkins, 1; C. A. Walker, 2; Chas. Reed, 3; Julius J. Klein, 4; F. M. Love, 5.

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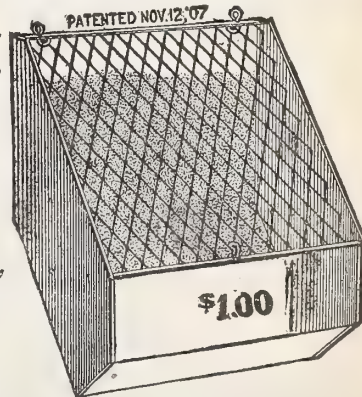
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Cocks—A. L. Moore, 1; W. L. Bowen, 2; Jacob Miller, 3; H. J. Goette, 4; H. Kerl, 5.  
Hens—Clare F. Hoffman, 1; V. G. Warner, 2; Herb. Reisinger, 3-4; H. J. Goette, 5.  
Cockerels—Clare E. Hoffman, 1; Henry Steinmesch, 2; E. L. Van Alstyne, 3; H. F. Bergner, 4; Herb. Reisinger, 5.  
Pullets—H. Kerl, 1; Clare E. Hoffman, 2; Herb. Reisinger, 3-4; Jacob Miller, 5.  
Breeding Pens—Clare E. Hoffman, 1-2; Henry Steinmesch, 3.

#### Golden Wyandottes.

Cocks—J. S. Pennington, 1-5; J. H. McDanell, 2-3; Simmons Bros., 4.  
Hens—J. H. McDanell, 1-3; H. J. Jeuck, 2; Simmons Bros., 4.

#### Buff Wyandottes.

Cocks—F. L. Waterman, 1; Besuden Bros., 2-4; Power & Cablish, 3; F. W. G. Meiner, 5.  
Hens—Besuden Bros., 1-3-5; F. L. Waterman, 2; F. E. Short, 4.  
Cockerels—F. L. Waterman, 1-2; F. W. Gemeiner, 3-4; F. E. Short, 5.  
Pullets—Besuden Bros., 1-2; F. W. Gemeiner, 3; F. T. Todd & Sons, 4; F. L. Waterman, 5.  
Old Breeding Pens—Besuden Bros., 1-2; F. L. Waterman, 3.  
Young Breeding Pens—Besuden Bros., 1; F. W. Gemeiner, 2; F. L. Waterman, 3.

#### Columbian Wyandottes.

Cocks—Geo. A. Kersten, 1.  
Hens—Geo. A. Kersten, 1; Richard Saw-

furth, 2; Frank Jeuck, 3; Ed. Henschen, 4.  
Hens—Sheffield Farm, 1-2-5; Chas. J. Behrendt, 3; Louis M. Jung, 4.  
Cockerels—Sheffield Farm, 1-3-4; Wm. Erfurth, 2; Frank Jeuck, 5.  
Pullets—Sheffield Farm, 1-2-3-5; Chas. H. Behrendt, 4.  
Breeding Pens—Sheffield Farm, 1-3; Wm. Erfurth, 2.

#### Single Comb Rhode Island Reds.

Cocks—F. E. Harrison, 1-3-4; Wm. Etzensperger, 2; Ira M. Crowther, 5.  
Hens—Ira M. Crowther, 1-5; F. E. Harrison, 2-3; Rock Creek Poultry Farm, 4.  
Cockerels—T. L. Ricksecker, 1-2; R. C. Haynes, 3; F. E. Harrison, 4; B. D. Parker, 5.  
Pullets—F. E. Harrison, 1-2-3; Wm. Etzensperger, 4; Mrs. L. J. Young, 5.



Scene on the C. C. Shoemaker Farm, Freeport, Ill. This is one of the most complete and up-to-date farms in the Middle West and does a very extensive business in thoroughbred poultry.

Cockerels—Simmons Bros., 1-2; J. H. McDanell, 3-4-5.  
Pullets—Simmons Bros., 1-4; J. H. McDanell, 2-5; H. J. Jeuck, 3.  
Breeding Pens—J. H. McDanell, 1; J. H. Pennington, 2.

#### White Wyandottes.

Cocks—R. W. Wales, 1-4; Owen Farms, 2-3; A. J. Smith, 5.  
Hens—Owen Farms, 1-2-3; A. J. Smith, 4; A. J. Shannon, 5.  
Cockerels—Owen Farms, 1-3; Crowe & Beebe, 2; A. J. Smith, 4-5.  
Pullets—A. J. Smith, 1; Owen Farms, 2; Geo. C. Madison, 3; Crowe & Beebe, 4; R. W. Wales, 5.  
Breeding Pens—Owen Farms, 1-4; A. J. Smith, 2; J. A. Henderson, 3; Twin Oaks Farm, 5.

yer, 2; Carl Jacobson, 3-5; F. J. Reed, 4.  
Cockerels—Geo. A. Kersten, 1-2; J. H. McDanell, 3; Richard Sawyer, 4; Carl Jacobson, 5.  
Pullets—Geo. A. Kersten, 1-3-4; J. H. McDanell, 2; Richard Sawyer, 5.  
Breeding Pens—Geo. A. Kersten, 1.

#### Silver Penciled Wyandottes.

Pullets—F. J. Reed, 1.

#### Black Wyandottes.

Cocks—Frank C. Sites, 1-2.  
Hens—H. C. Stair, 1; Frank C. Sites, 2-3; F. J. Reed, 4-5.  
Cockerels—Frank C. Sites, 1-2.  
Pullets—Frank C. Sites, 1-2.  
Breeding Pen—Frank C. Sites, 1.

#### Partridge Wyandottes.

Cocks—Sheffield Farm, 1-5; Wm. Er-

Old Breeding Pens—F. E. Harrison, 1-2; Ira M. Crowther, 3.  
Young Breeding Pens—F. E. Harrison, 1; Wm. Etzensperger, 2; Harold Tompkins, 3; E. W. Mahood, 4; Ira M. Crowther, 5.

#### Rose Comb Rhode Island Reds.

Cocks—Buschman-Pierce Red Farm, 1-2-3; A. C. Army, 4; Longfield Poultry Farm, 5.  
Hens—Longfield Poultry Farm, 1; Buschman-Pierce Red Farm, 2; J. H. Carpenter, M. D., 3; L. Sherman Kline, 4; C. W. Chapman, 5.  
Cockerels—H. A. Robinson, 1-4; H. H. King, 2; Buschman-Pierce Red Farm, 3; Mrs. F. A. Wells & Son, 5.  
Pullets—H. A. Robinson, 1-5; H. H. King, 2; Wm. Etzensperger, 3; J. H. Carpenter, M. D., 4.  
Old Breeding Pens—Buschman-Pierce

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Farm, 1-2; D. F. Humphreys, 3; Robt. Mawer, 4; Longfield Poultry Farm, 5.  
Young Breeding Pens—H. H. King, 1; Longfield Poultry Farm, 2; Buschman-Pierce Red Farm, 3; Harold Tompkins, 4; Wm. Etzensperger, 5.

#### Rose Comb Rhode Island Whites.

Cocks—Carl D. McCarthy, 1-2; C. M. Vertrees, 3; Dr. W. F. Dunham, 4.  
Hens—Carl D. McCarthy, 1-3-5; C. W. Knox, 2; Mrs. C. M. Vertrees, 4.  
Cockerels—Mrs. C. M. Vertrees, 1; C. W. Knox, 2; Carl D. McCarthy, 3-5; W. H. Stephenson, 4.  
Pullets—Carl D. McCarthy, 1-2; Mrs. C. M. Vertrees, 3; C. W. Knox, 4; W. H. Stephenson, 5.  
Breeding Pens—Carl D. McCarthy, 1; C. D. Weed, 2.

#### Buckeye.

Cock—Geo. L. Bradley, 1.  
Hen—Geo. L. Bradley, 1.  
Cockerel—Geo. L. Bradley, 1.

#### Sing. Comb White Orpingtons.

Cock—Aldrich Poultry Farm, 1-5; Dr. E. C. White, 2-3; Brackenfield Farms, 4.  
Hens—Brackenfield Farms, 1; Dr. A. C. Potter, 2; Aldrich Poultry Farm, 3-4; Jos. H. Fischer, 5.  
Cockerels—Brackenfield Farms, 1; Aldrich Poultry Farm, 2-3-4; S. A. V. Howell, 5.  
Pullets—Dr. A. C. Potter, 1; Aldrich Poultry Farm, 2-5; Kenney's Poultry Farm, 3; Fred A. Andrews, 4.  
Breeding Pens—Aldrich Poultry Farm, 1-3-4; Brackenfield Farms, 2; Iowana Farm Poultry Dept., 5.

#### Rose Comb White Orpingtons.

Cock—Wm. T. Cameron, 1.  
Hens—Wm. T. Cameron, 1.  
Cockerels—W. D. Taylor, 1-2.

#### Single Comb Black Orpingtons.

Cocks—Robt. W. Wallace, 1; Blue Ribbon Poultry Farm, 2; Herrick Poultry Yards, 3;

Hens—Pine Lodge Farm, 1-2-3.  
Cockerels—Pine Lodge Farm, 1-2-3.  
Pullets—Pine Lodge Farm, 1-2-3.  
Breeding Pens—Pine Lodge Farm, 1.

#### Dark Cornish.

Cocks—Dartmoor Yards, 1; George J. Hedrick, 2; James A. Hales, 3; John W. Ward, Jr., 4; Dr. W. A. Low, 5.  
Hens—Dr. R. B. Munn, 1-4; Dr. W. A. Low, 2; Dartmoor Yards, 3-5.  
Cockerels—John W. Ward, Jr., 1; Dr. R. B. Munn, 2-4; Dr. W. A. Low, 3; Dartmoor Yards, 5.  
Pullets—Dr. R. B. Munn, 1; John W. Ward, Jr., 2; Dartmoor Yards, 3; Dr. W. A. Low, 4; John W. Ward, Jr., 5.  
Old Breeding Pens—Dr. W. A. Low, 1; Dr. R. B. Munn, 2; Dartmoor Yards, 3; H. A. Huey, 4; Thomas H. Hetherington, 5.  
Young Breeding Pens—James A. Hales,



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Pullet—Geo. L. Bradley, 1.

#### Single Comb Buff Orpingtons.

Cocks—Owen Farm, 1; Sunswick Poultry Farm, 2; Roseland Poultry Farm, 3; Brackenfield Farm, 4; Roseland Poultry Farm, 5.  
Hens—Sunswick Poultry Farm, 1-3; H. B. Fletcher, 2; S. M. Galloway, 4; Brackenfield Farm, 5.  
Cockerels—Owen Farm, 1-2; Frank C. Cleveland, 3; J. W. Crezan, 4; H. B. Fletcher, 5.  
Pullets—Owen Farm, 1-2; Frank C. Cleveland, 3-4; P. W. Windle, 5.  
Young Breeding Pens—Owen Farm, 1-5; T. W. Rogers, 2; H. B. Fletcher, 3.  
Old Breeding Pens—Owen Farm, 1; Sunswick Poultry Farm, 2; Brackenfield Farm, 3; Twin Oaks Farm, 4; Roseland Poultry Farm, 5.

Brackenfield Farms, 4-5.

Hens—Owen Farm, 1; Brackenfield Farm, 2-3; Blue Ribbon Poultry Farm, 4-5.

Cockerels—Brackenfield Farm, 1-2; Blue Ribbon Poultry Farm, 3; Herrick Poultry Yards, 4-5.

Pullets—C. E. Webb, 1; Blue Ribbon Poultry Farm, 2-4; Robt. W. Wallace, 4; Owen Farm, 5.

Breeding Pens—Owen Farm, 1; C. E. Webb, 2; Blue Ribbon Poultry Farm, 3; Brackenfield, 4; Herrick Poultry Farm, 5.

#### Rose Comb Black Orpingtons.

Cocks—Ira Blake, 1.  
Hens—Ira Blake, 1-2.  
Cockerel—Ira Blake, 2.  
Pullets—Ira Blake, 1-3.

#### Blue Orpingtons.

Cocks—Pine Lodge Farm, 1.

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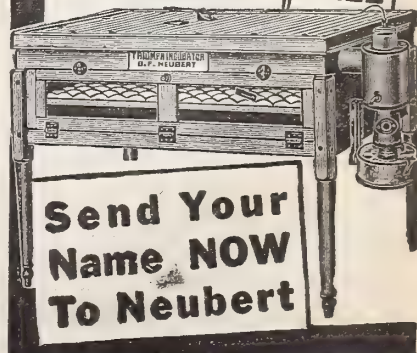
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Pullets—Frank E. Hering, 1; T. J. Rountree, 2; H. S. Hibbard, 3; George E. Greenwood, 4; Mrs. Alice N. Ranson, 5.  
Breeding Pens—T. J. Rountree, 1; W. H. Bushell, 2; M. J. Bergmoser, 3; H. S. Hibbard, 4.

### Silver Spangled Hamburgs.

Cocks—R. D. Sly, 1; C. L. Wagoner, 2; S. Max Peters, 3-4; Julius E. Kirchels, 5.  
Hens—S. Max Peters, 1-4; Julius E. Kirchels, 2-3; R. D. Sly, 5.  
Cockerels—R. D. Sly, 1-2; Julius E. Kirchels, 3; S. Max Peters, 4.  
Pullets—R. D. Sly, 1-2; Julius E. Kirchels, 3; S. Max Peters, 4.

### Golden Polish.

Hens—Mrs. C. Behensky, 1-2-3.  
Cockerels—Mrs. C. Behensky, 1; Martin Schuler, 2.  
Pullets—Martin Schuler, 1-2; Mrs. C. Behensky, 3-4.

### White Crested Black Polish.

Cocks—Frank Kakuska, 1; W. H. Snook, 2.  
Hens—W. H. Snook, 1; Frank Kakuska, 2.  
Cockerels—Frank Kakuska, 1; W. H. Snook, 2.  
Pullets—W. H. Snook, 1; Frank Kakuska, 2.

### Single Comb White Leghorns.

Cocks—E. W. Groves, 1; Harry A. Muntz, 2; G. J. Gerber, 3; Robert D. Parmenter, 4; N. P. Easling, 5.  
Hens—Robert D. Parmenter, 1-5; N. P. Easling, 2-3; W. E. Plowman, 4.  
Cockerels—E. W. Groves, 1; Robert D. Parmenter, 2-4-5; N. P. Easling, 3.  
Pullets—N. P. Easling, 1-3-5; Robert D. Parmenter, 2; Eugene C. Smith, 4.

### Rose Comb White Leghorns.

Cocks—Thomas Brogden, 1; August Barkmeier, 2; Louis W. Weisel, 3; Wayne A. Munn, 4.  
Hens—Thomas Brogden, 1; Wayne A. Munn, 2-3; George A. Bigler, 4; Louis W. Weisel, 5.  
Cockerels—George A. Bigler, 1-2; Thomas Brogden, 3; August Barkmeier, 4; Wayne A. Munn, 5.  
Pullets—George A. Bigler, 1-2; Dr. C. W. Myers, 3; Louis W. Weisel, 4; Wayne A. Munn, 5.

### Single Comb Brown Leghorns.

Exhibition Cocks—William S. Damhorst, 1; A. J. Humphrey, 2; Dr. C. Schmidt, 3; D. L. Greene, 4.  
Exhibition Hens—D. L. Greene, 1-3; A. L. McCall, 2; William S. Damhorst, 4; Dr. C. Schmidt, 5.  
Exhibition Cockerels—A. L. McCall, 1; William S. Damhorst, 2-3; E. L. Greene, 4; W. G. Warnock, 5.  
Exhibition Pullets—W. G. Warnock, 1; A. L. McCall, 2; Dr. C. Schmidt, 4; William S. Damhorst, 5.  
Cockerel-Bred Pullets—F. M. Farrant, 1.  
Pullet-Bred Cocks—F. M. Farrant, 1.  
Pullet-Bred Cockerels—W. G. Warnock, 1; F. M. Farrant, 2.  
Pullet-Bred Pen—W. G. Warnock, 1.

### Rose Comb Brown Leghorns.

Cocks—R. C. & R. L. Conolly, 1-3-4; W. O. Chase, 2.  
Hens—William Hipkiss, 1; W. O. Chase, 2-5; R. C. & R. L. Conolly, 3; Albert R. Rice, 4.  
Cockerels—W. O. Chase, 1-2; Albert Yoder, 3-4; R. C. & R. L. Conolly, 5.  
Pullets—R. C. & R. L. Conolly, 1; Albert R. Rice, 2; W. H. C. Chambre, 3; William Hipkiss, 4; W. O. Chase, 5.  
Breeding Pens—W. O. Chase, 1-3-4; R. C. & R. L. Conolly, 2.

### Single Comb Buff Leghorns.

Cocks—J. P. Roberts, 1; F. A. Tecktonius, 2-4-5; William L. Krepps & Son, 3.  
Hens—F. A. Tecktonius, 1-2-3-4; Chris. H. Leitner, 5.  
Cockerels—F. A. Tecktonius, 1-2-4-5; P. M. Chapman, 3.  
Pullets—F. A. Tecktonius, 1-2-3-4-5.  
Young Breeding Pen—F. A. Tecktonius, 1.

### Rose Comb Buff Leghorns.

Hens—F. A. Tecktonius, 1-2; Anton Kakuska, 3.  
Cockerels—F. A. Tecktonius, 1; James D. Pearce, 2; Anton Kakuska, 3.  
Pullets—F. A. Tecktonius, 1-2; James R. Pearce, 3; Anton Kakuska, 4.  
Young Breeding Pens—F. A. Tecktonius, 1.

### Blue Leghorns.

Breeding Pen—Haldie Nicholson, 1.

### Single Comb Black Minorcas.

Cocks—A. Didriksen, 1; W. O. Chase, 2-4; E. D. Geiger, 3; T. W. Peacock, 5.  
Hens—A. Didriksen, 1-2-3; E. D. Geiger, 4; W. O. Chase, 5.  
Cockerels—W. O. Chase, 1; A. Didriksen, 2-4; T. W. Peacock, 3; Thomas Ebert, 5.  
Pullets—A. Didriksen, 1-2-3; J. H. Smith, 4; W. O. Chase, 5.  
Breeding Pens—A. Didriksen, 1; W. O. Chase, 2-4; J. H. Smith, 3.

### Rose Comb Black Minorcas.

Cocks—W. O. Chase, 1; J. S. Bales, 2.  
Hens—J. S. Bales, 1; W. O. Chase, 2; E. M. Galliher, 3-4.  
Cockerels—J. S. Bales, 1; W. O. Chase, 2; E. M. Galliher, 3-4; Arch Darrow, 5.  
Pullets—J. S. Bales, 1; E. M. Galliher, 2-3.  
Breeding Pen—W. O. Chase, 1.

### Single Comb White Minorcas.

Cocks—Black Point Poultry Yards, 1.  
Hens—Black Point Poultry Yards, 1-2-3; William Huber, 4.  
Cockerels—Black Point Poultry Yards, 1-2-3.  
Pullets—Black Point Poultry Yards, 1-2-3; William Huber, 4.  
Breeding Pen—Black Point Poultry Yards, 1.

### Rose Comb White Minorcas.

Cocks—Thomas Brogden, 1-2; Harrison H. Ruth, 3.

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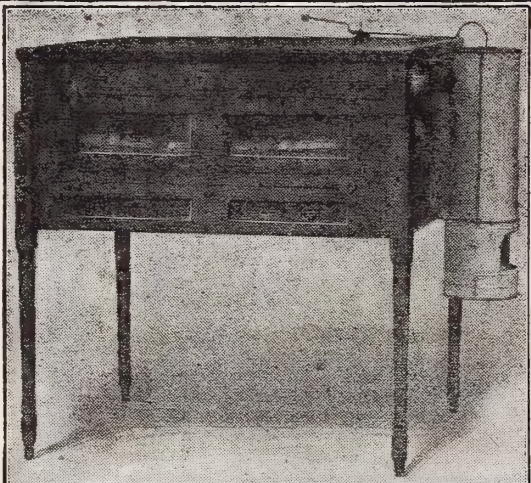
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Cockerels—Thomas Brogden, 1.  
Pullets—Thomas Brogden, 1; Harrison H. Ruth, 2.

#### Light Brahmas.

Cocks—Roy R. Beck, 1; A. V. Prescott, 2-3; A. T. Bentley, 4; River Bank Poultry Farm, 5.

Hens—Roy R. Beck, 1; George Jeuck, Jr., 2-3; River Bank Poultry Farm, 4.  
Cockerels—A. V. Prescott, 1; Roy R. Beck, 2.

Pullets—A. V. Prescott, 1-2; Roy R. Beck, 3-4; George Jeuck, Jr., 5.

#### Buff Cochins.

Cocks—Gust Dietze, 1; R. H. Waterman, 2; J. W. Schaad & Son, 3.

Hens—Gust Dietze, 1-2; J. W. Schaad & Son, 3-4.

Cockerels—George W. Kaiser, 1.  
Pullets—George W. Kaiser, 1.

#### Black Langshans.

Cocks—R. A. Hewes, 1-2-4; John A. Rhodes, 3; E. D. Monilaw, 5.

Hens—William Hershman, 1; R. A. Hewes, 2-3; John A. Rhodes, 4; E. D. Monilaw, 5.

Cockerels—R. A. Hewes, 1-3; E. D. Monilaw, 2; William Hershman, 4; John F. Johns, 5.

Pullets—Frank Boyd, 1-4; R. A. Hewes, 2-3; John F. Johns, 5.

#### Buff Langshans.

Cockerels—Edward J. Brundage, 1.  
Pullets—Edward J. Brundage, 1.

#### Houdans.

Cocks—Will M. Beadle, 1; Frank Kakuska, 2; F. & F. Poultry Farm, 3; C. J. Lancaster, 4; Harry Gordon, 5.  
Hens—Harry Gordon, 1; Frank Kakuska, 2; Will M. Beadle, 3-4; C. J. Lancaster, 5.  
Cockerels—Will M. Beadle, 1-3; C. J. Lancaster, 2-5; Harry Gordon, 4.  
Pullets—Will M. Beadle, 1-2-4; F. & F. Poultry Farm, 3; Harry Gordon, 5.  
Breeding Pens—Will M. Beadle, 1-3; F. & F. Poultry Farm, 2.

#### Lavenvelders.

Cocks—Frank Myers, 1.  
Hens—Frank Myers, 1.  
Cockerels—Edward J. Brundage, 1; Frank Myers, 2.  
Pullets—Frank Myers, 1-2.  
Breeding Pen—Frank Myers, 1.

#### Sicilian Buttercups.

Cocks—Peterson & Johnson, 1.  
Hen—Peterson & Johnson, 1.  
Cockerel—Peterson & Johnson, 1.  
Pullets—Peterson & Johnson, 1-2.

#### Mottled Anconas.

Cockerels—Evergreen Poultry Yards, 1; W. G. Gurnett & Son, 2; Dr. Guy Glencoe, 3-4.  
Pullets—Dr. Guy Glencoe, 1-3; Evergreen Poultry Yards, 2-5; Maple Row Poultry Yards, 4.

#### Calumets.

Hens—Mrs. Jay Page, 1-2.  
Cockerels—J. E. Armstrong, 1-2.  
Pullets—Mrs. J. Page, 1-4; J. E. Armstrong, 2-3.

#### Salmon Faverolles.

Cocks—Charles A. Bartholomew, 1.  
Hens—Charles A. Bartholomew, 1-2-3.  
Cockerel—Charles A. Bartholomew, 1.  
Pullets—Charles A. Bartholomew, 1-2.

#### White Faverolles.

Cock—Vernon Poultry Yards, 1.  
Pit Game Hen—R. H. McIntyre, 1.  
Pit Game Cockerel—R. H. McIntyre, 1.

#### Buff Cochins Bantams.

Cocks—Wahebe Bantam Yards, 1-2-3.  
Hens—Wahebe Bantam Yards, 1-2-3; S. M. Newby, 4-5.  
Cockerels—Wahebe Bantam Yards, 1-4; S. M. Newby, 2-3.  
Pullets—S. M. Newby, 1-2; Wahebe Bantam Yards, 3-4.  
Old Breeding Pens—S. M. Newby, 1; Wahebe Bantam Yards, 2.  
Young Breeding Pens—S. M. Newby, 1-2; Wahebe Bantam Yards, 3.

#### White Cochins Bantams.

Cocks—Claud B. Thomas, 1-2-3; Wahebe Bantam Yards, 4.  
Hens—Claud B. Thomas, 1-2-3; Wahebe Bantam Yards, 4-5.  
Cockerels—Claud B. Thomas, 1-2-3.  
Pullets—Wahebe Bantam Yards, 1-3; Claud B. Thomas, 2-4-5.  
Breeding Pens—Claud B. Thomas, 1-2.

#### Black Cochins Bantams.

Cocks—Carl Dare, 1; R. P. Krum, 2; Wahebe Bantam Yards, 3.

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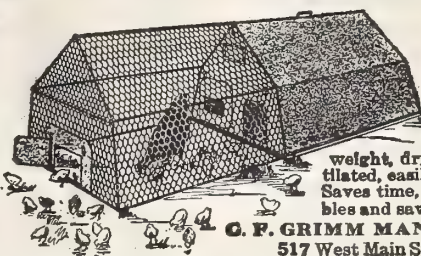
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Pullets—R. P. Krum, 1; Wahebe Bantam Yards, 2-3.  
Breeding Pens—Claud B. Thomas, 1-2.

#### Partridge Cochins Bantams.

Cocks—Wahebe Bantam Yards, 1-2.  
Hens—Wahebe Bantam Yards, 1-2.  
Cockerel—Wahebe Bantam Yards, 1.

#### Silver Seabright Bantams.

Cock—C. O. Preston, 1.  
Hen—C. O. Preston, 1.  
Cockerel—William A. L. Nisbet, 1.

#### Golden Seabright Bantams.

Cock—B. O. Swain, 1.  
Hens—A. Bloese, 1; B. O. Swain, 2-3.  
Cockerel—A. Bloese, 1.  
Pullet—A. Bloese, 1.

#### Black Breasted Red Game Bantams.

Cocks—John C. Schoenleben, 1; E. S. Barker, 2.  
Hens—John C. Schoenleben, 1; E. S. Barker, 2.  
Cockerel—John C. Schoenleben, 1.

Pullets—John C. Schoenleben, 1-2; E. S. Barker, 3.

#### Red Pyle Game Bantams.

Cockerel—Palmer & Goble, 1.  
Pullets—Palmer & Goble, 1-2.

#### Pekin Ducks.

Cocks—Black Point Poultry Yards, 1-2; Riverview Poultry Yards, 3-4-5.  
Hens—Black Point Poultry Yards, 1-4; Riverview Poultry Yards, 2-3-5.  
Cockerels—Riverview Poultry Yards, 1-2-4-5; Black Point Poultry Yards, 3.  
Pullets—Riverview Poultry Yards, 1-2-3-4; Roy C. Church, 5.  
Old Breeding Pens—Riverview Poultry Yards, 1; Roy C. Church, 3.  
Young Breeding Pens—Riverview Poultry Yards, 2.

#### White Indian Runner Ducks.

Cocks—Kenney's Poultry Farm, 1-2; Mrs. C. M. Vertrees, 3; Will D. Hoover, 4; Harry Gordon, 5.  
Hens—Kenney's Poultry Farm, 1; Mrs. C. M. Vertrees, 2; Will D. Hoover, 3-5; Harry Gordon, 4.  
Cockerels—Will D. Hoover, 1; Emma Wil-

lard, 2; Edward M. Longmore, 3-4; Mrs. C. M. Vertrees, 5.

Pullets—Edward M. Longmore, 1; Harry Gordon, 2; Mrs. Alice N. Ranson, 3-4; Mrs. C. M. Vertrees, 5.  
Breeding Pens—Edward M. Longmore, 1; Will D. Hoover, 2-3.

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Cocks—Roy C. Church, 1; F. L. Reinhard & Son, 2.  
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Cockerels—F. L. Reinhard & Son, 1.  
Pullets—F. L. Reinhard & Son, 1; River Bank Poultry Farm, 2-3.

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Cockerels—Blue Bell Farm, 1-3-4; Marion H. Culver, 2-5.  
Pullets—Blue Bell Farm, 1-2.  
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Pullet—Henry Schehl & Sons, 1.

#### Buff Orpington Ducks.

Cocks—B. O. Swain, 1; Sunswick Poultry Farm, 2.

Hens—Sunswick Poultry Farm, 1; B. O. Swain, 2.

Cockerel—E. H. Cook, 1-3; Sunswick Poultry Farm, 2; B. O. Swain, 4.

Pullets—Sunswick Poultry Farm, 1; E. H. Cook, 2-3-4-5.

Breeding Pen—Sunswick Poultry Farm, 1.

#### Aylesburh Ducks.

Cock—Roy C. Church, 1.

#### Black Cayuga Ducks.

Cock—Roy C. Church, 1.

#### Colored Muscovy Ducks.

Cock—Roy C. Church, 1.

Cockerel—Roy C. Church, 1.

#### White Muscovy Ducks.

Cock—Roy C. Church, 1.

Cockerel—Roy C. Church, 1.

#### Mallard Ducks.

Cock—Riverview Poultry Yards, 1.

Hen—Riverview Poultry Yards, 1.

Cockerel—Riverview Poultry Yards, 1.

Pullet—Riverview Poultry Yards, 1.

#### White Winged Teal Ducks.

Cocks—Riverview Poultry Yards, 1.

Hen—Riverview Poultry Yards, 1.

Cockerel—Riverview Poultry Yards, 1.

Pullet—Riverview Poultry Yards, 1.

#### Toulouse Geese.

Cocks—E. L. Munroe, 1.

Hens—E. L. Munroe, 1.

Cockerels—E. L. Munroe, 1.

#### Emdben Geese.

Cocks—M. N. Munroe, 1-2.

Hens—M. N. Munroe, 1.

Cockerel—Peter Olle, 1.

Pullets—Peter Olle, 1.

#### White Chinese Geese.

Cocks—Roy C. Church, 1.

Cockerels—Roy C. Church, 1.

#### Brown Chinese Geese.

Cocks—Roy C. Church, 1.

Cockerels—Roy C. Church, 1.

#### Buff Geese.

Cocks—Roy C. Church, 1.

Cockerels—Roy C. Church, 1.

#### Gray African Geese.

Cocks—Roy C. Church, 1.

Cockerels—Roy C. Church, 1.

#### Wild Canadian Geese.

Cocks—Roy C. Church, 1.

#### Bronze Turkeys.

Cocks—Rothgeb Bros., 1; William Hershman, 1; H. L. Fike, 2; William Hershman, 2; Mrs. A. B. Slabaugh, 3; William Hershman, 3; Mrs. Henry Wegener, 4.

Hens—William Hershman, 1-2; Rothgeb Bros., 3; Mrs. A. B. Slabaugh, 4; Mrs. Henry Wegener, 5.

Cockerels—Rothgeb Bros., 1; William Hershman, 2.

Pullets—William Hershman, 1-2; Rothgeb Bros., 3.

#### Gray Call Ducks.

Cocks—Roy C. Church, 1.

Cockerels—Roy C. Church, 1.

#### White Call Ducks.

Cocks—Roy C. Church, 1.

Black East India Ducks.

Cocks—Roy C. Church, 1.

#### A PLEA FOR THE CAMPINE.

By Dr. J. H. Prudhomme

HAVING attended some of the Fall Fairs, and being a breeder of Campines, my attention was attracted to the Poultry Display. Upon looking over the Campine entries I was much surprised and chagrined to find the Belgian type of birds in the Goldens especially being awarded prizes, when on account of the flowing red feathers in their backs and saddles they should have been disqualified.

I, with another gentleman of prominence in Campine circles, called the attention of the Judge to these birds and remonstrated with him for placing these Belgian type birds within the money. The Judge contended that the Campines were not in the Standard, that the Silvers were judged according to the English Standard, that the Goldens, he was sure, did not come under any standard, consequently he judged them according to the Belgian Standard. Now, all licensed Judges should know that the standard for judging Silvers and Goldens are identically alike, only in the Goldens gold is substituted for silver in the barring.

As there were about 6,500 fowls entered in the above mentioned show one can readily appreciate the impor-

tance of awards, and of the indescribable harm done by placing the stamp of indorsement, 1st prize, upon birds that should have been disqualified.

Think for a moment of the innocent, gullible public who will buy eggs and stock from such 1st prize birds! Probably the owner, not knowing of the true standard, the English Standard, under which the birds should have been judged, and being awarded such prizes on his birds, believing he has true type and correct marked birds, heralds his winnings far and wide to the world. Thus he sows the seed of the wind to harvest in future the whirlwind.

Now, with all that has been written in the poultry press about Campines, it would seem unpardonable that a licensed Judge of the A. P. A. should be so shy on knowledge and should make so glaring a mistake. At another fair where three or four thousand fowls were entered, another Judge doped out the same medicine to the Goldens.

It seems to me any poultryman, much less a Judge, who reads and who has his ear to the ground knows that the Belgian type of Campine is no go here in America now, and never will be. The males with their white backs, and the females with their gray, moss colored feathers, will never appeal to the American fancier; the birds in themselves are too small, and while they lay a goodly number of eggs it must be acknowledged their eggs are too small to be of value, of much profit to the American utility man, or egg farmer.

At this writing, November 15th, fancy, new laid, white market eggs are selling at 72 cents in New York wholesale; the small egg of the Belgian female would not be in the class. New York market calls for 25-ounce eggs to the dozen; eggs from pure Belgian birds average 22 to 23 ounces to the dozen, while eggs from the Improved Campines average from 25 to 27 ounces and above average 30 ounces to the dozen. I have bred both types, I know whereof I speak.

The Improved Campine is a thing of

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They proved their quality by winning this season at the three shows exhibited—Iowa and Ill. State Fairs and the Tri-City Fanciers Association, Davenport; twenty-nine ribbons and two cups. Write us for information and prices.

IOWANA FARMS POULTRY DEPARTMENT  
DR. BRYANT SMITH, MGR., BOX S, DAVENPORT, IOWA



## Spring Water Poultry Farm

We are now booking orders for day-old chicks for next season. Last Spring we were compelled to disappoint many, for even with our large capacity of 20,000 eggs at one sitting we could not fill all orders. Don't be among the disappointed this season. Breeders only of Single Comb White Leghorns. Write for illustrated catalogue. Mention American Poultry Journal.

SPRING WATER POULTRY FARM

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STOCKTON, NEW JERSEY



beauty, a joy forever, and while things appertaining to color, or beauty, or taste, are not to be disputed, no one can deny that the Improved Campine is not beautiful. As to the color and size of their egg, we all know that for two successive years at elite Boston eggs from the Silvers have won first prize for the best dozen white eggs and also first prize for the whitest dozen eggs at the show. At Allentown this year eggs from my Campines won 1st prize in a class of 22 dozen, Anconas, Houdans, Blue Andalusians, R. I. Reds, Langshans, etc., competing. Later at Frederick eggs from my Campines won

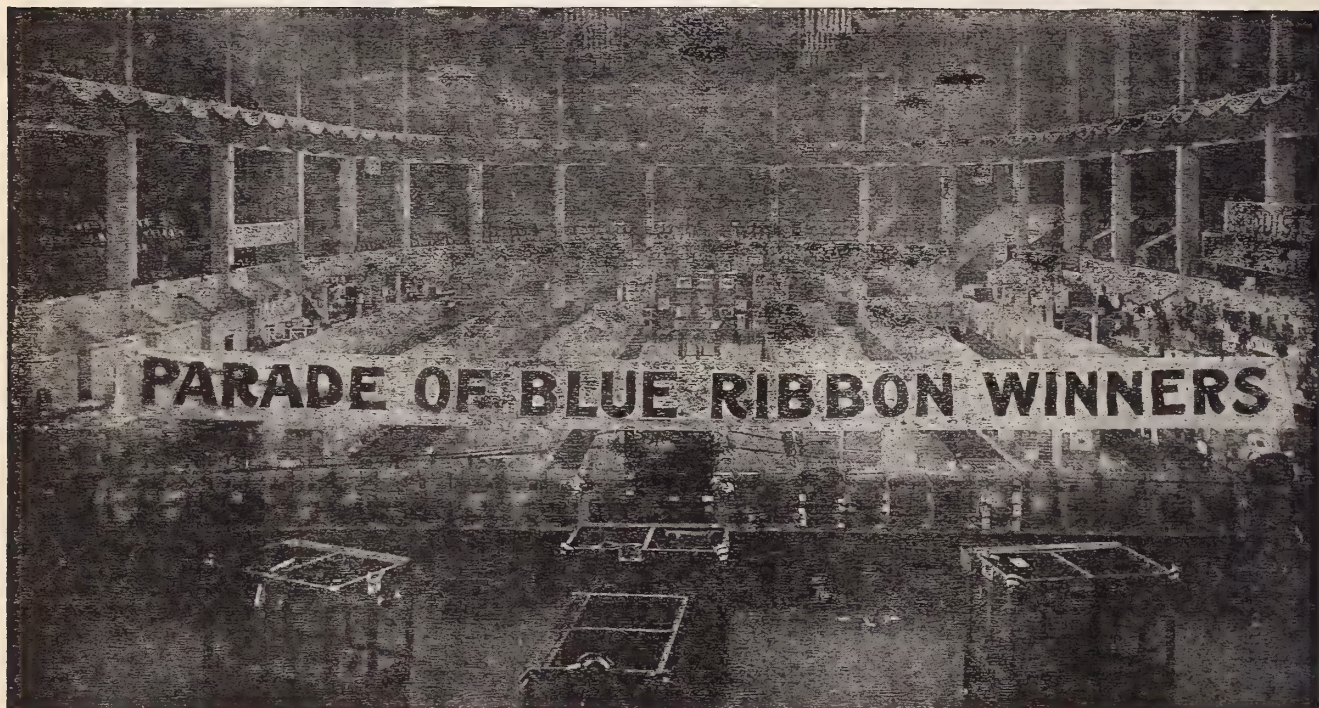
accidentally on purpose unload upon them disqualified birds.

A word of advice will I give to those contemplating buying imported birds. It is this: ask any breeder who knows, it requires several years for Imported Campines to get acclimated in America to do their best. If you read you must know that the birds being imported these days are of low grade. Be careful when you buy abroad for you will find your experience to be a sad, sad teacher.

As to Judges, with apologies, I can do no better than quote from a noted English breeder and say: "The judg-

breed, then there is no occasion to worry—and secure a copy of the year book with the standard for judging the breed, which includes scale of points and serious defects for which birds should be passed. For the Campine Standard address Mr. M. R. Jacobus, Sec'y Campine Club, Box 3, Ridgefield, N. J.

In conclusion, as a member of the Campine Club, as a fancier and breeder and with deep admiration for the genuine Campine, I have one more point to make in my stand upholding the, what I will call, "American Campine"—the breed that will in time be separate and



General view of the late St. Louis, Mo., Poultry Show.

the sweepstake over eggs from all other breeds competing. In the above facts we have it; the proof of the pudding is in the eating, the Improved Campines have proved themselves, they have come to stay.

It is to the fancier and to the breeder of these latter who know the merits of the breed and the standard under which the bird should be judged we should look to protect the breed as well as the public, the people who want to invest their hard earned cash in a breed with a future—the Improved Campines. We must see to it that the public gets what it wants and endeavor to prevent breeders to innocently or

ing on the whole is good. I have great admiration and respect for Judges in the main. . . . Campines do suffer occasionally because Judges don't know our standard, and sometimes because they think they know what Campines should be better than we breeders. I wish there were some power to bring ignorant and self-willed Judges to book."

Now, I can offer the solution; knowledge is the power required and I humbly suggest that when in doubt before judging any new breed not in the Standard, let the Judge write to the Secretary of the Club backing the breed—if there is no club back of the

distinct from the English and Belgian type Campine, that will be better suited to the wants of the American poultryman. Here I want to go on record as opposing membership in the American Campine Club any and all breeders who are known to sell eggs from and breeders from the Belgian type of Campines advertising such and calling such Improved Campines. I have been stung in the past; in future I am going to look out for the novice and the amateur, and in this I am looking forward to the co-operation of the Judges. They hold great power in their hands—the correct judging of Improved Campines.

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## SOME ADVANTAGES OF LIMITED RUNS.

By Joseph Shakespeare

**W**HEN egg production is the sole object in view, fowls undoubtedly do better in limited runs than when allowed the use of a free range, and especially does this apply to birds kept for the production of winter eggs. During the winter time it is a well known fact that the man who keeps his pedigree-bred egg-producing stock on the colony system often searches the nests in vain for eggs whilst the man on the city lot with his few nondescripts manages to keep the egg cups occupied. The birds that make such wonderful egg producing records in the laying competitions are confined to limited runs. Wherein lies the secret of the success achieved with laying stock kept under confined conditions? So far the writer has solved the problem thus: The birds are under better control. They can be exercised sufficiently among scratching litter during periods of wet and cold weather to keep up bodily heat and to prevent internal fatness. The food becomes more evenly distributed among the flock, the latter generally being smaller than that kept on free range. The conditions under which the birds are kept render work among them more comfortable for the attendant than in the case when one has to trudge over rough land in stormy weather, and so less negligence in any part of the management is likely to occur.

Fowls kept on limited runs are under control, as they can be fed on properly balanced rations, or rations sufficiently balanced to insure physical stamina and a profitable output of eggs. The birds waste no energy in digesting a lot of unconcentrated foods such as the bird at liberty devours. Fowls running on free range undoubtedly fill their crops with a lot of useless bulk at times when drought toughens the pasture and renders the existence of insect life impossible. During hot weather the attendant, if he studies his fowls' comfort, supplies the birds with fresh, cool water several times during the day, and when frost abounds the vessels are not allowed to become frozen, and the chill is taken off the water before it is served to the fowls. Kept on the colony system the fowls stray far afield, and rather than return to the drinking vessel when thirsty they prefer to imbibe the contents of a rut or puddle hole to the endangerment of their health. In frosty weather, should the water vessels become frozen—a thing likely to often happen—the birds take to picking at the snow, which chills their systems at a time when more warmth is needed. Fowls kept on limited runs are generally on better terms with the attendant than are those kept on free range. A quiet and contented disposition in a fowl plays an important part in the production of a creditable number of eggs. The good layer may be the liveliest bird imaginable when working among litter, but if she has been rightly reared she will allow herself to be handled, and will run to, rather than away from, her owner when called.

Every poultry keeper who knows anything at all about winter egg production is aware that if a fowl is to lay during periods of cold weather bodily warmth must be generated by

plenty of physical exercise. Carbonaceous foods may be fed to create bodily warmth and to supply the oil necessary for the formation of eggs, but such foods will fail to promote warmth and egg production unless they are properly digested by organs rendered strong and healthy with physical exercise. It is a fowl's natural instinct to scratch and so exercise her muscular system. On the limited run provided with a roomy scratching shed the fowls can follow their natural instinct so long as there is anything to scratch for. On free range the birds saunter about picking here and picking there till their crops are full, and then they rest under the hedgerow or in the roosting house till their appetites return again, when they forage at leisure again. During the milder months of the year, and when the range is rich with succulent herbage, seeds and insect life, the birds will lay well, but, unfortunately, their produce will be at a low market value for edible use. When prices for "hen fruit" begin to rise there will be a serious decrease in the output of eggs laid on free range owing to climatic change, dearth of vegetable and insect

foods, and lack of exercise on the part of the fowls.

Fowls belonging to the broody class are less frequently overcome by the sitting fever on limited runs than are those with free range. On limited runs the eggs can be removed from the nests at shorter intervals, and so the accumulation of eggs such as is likely to incite broodiness in the birds is averted. It is not always convenient to systematically collect eggs from the nests of colony houses standing long distances from the homestead, and such eggs accumulate, and remain in the nests, and account for much broodiness among the hens. Then again, fowls on free range, if of the broody kind, are liable to "steal their nests" away from the houses and endeavor to reproduce their kind whether they have been running with males or not, and so many eggs go to the bad.

So much for the advantages to be derived from the keeping of fowls on limited runs where egg production is the main object in view. Has the limited run disadvantages? Well, it all depends upon its size, the number of birds kept on it, and as to whether

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breeding operations are carried on or not. Breeding operations can be successfully carried on where a right number of fowls are confined to a limited run—that is, a run composed of a grass inclosure of such an area as to maintain freshness for an appreciable length of time—and where a roomy scratching-shed is provided for the sheltering and exercising of the birds during periods of inclement weather. To attempt to breed robust fowls generation after generation on an ungrassed city lot is to come to grief sooner or later. The conditions are too congested and too unnatural. By turning down a vigorous male reared on free range it is possible

or even better than many kept on grass ranges. To make the limited run a success the breeding and rearing operations carried on must be limited. I have known men who have bred and reared some of the finest birds that have ever graced the show bench, and they have done the trick in the back yard; but that is no argument in favor of the back yard run for the breeding and rearing of laying stock. We are discussing the limited run from an economic standpoint, and it requires more stamina to produce a single egg than it does to win twenty ribbons. Several back yard poultry keepers that I know aim solely for eggs. They stock

may lay fewer eggs when running on free range, but such eggs will be high in fertility and will account for strong, livable chicks, whilst the growing stock will possess a constitutional vigor unknown to the birds reared on limited runs. When it comes to breeding and rearing the free range scores high over the limited run; but when it comes to the production of edible eggs for profit I am bound to admit that the limited run is preferable, and my conclusions are based on experiment.

#### JUDICIOUS IN-BREEDING FAR FROM INCEST.

Editor American Poultry Journal:

Friend Stoddard does not change. He is the eternal enemy of incest as he ever was. To my mind, however, judicious in-breeding is far from incest. If I can at any time by mating the progeny I have succeeded in raising from a single pair, create specimens containing one-half the blood of each of my original pair, what is the difference in the blood relationship that would come from a strong hen mated to the male of each so far as the effect of cross breeding is concerned? Health, strength and blood mingled in the product does the business and prolific egg laying is the result.

The whole trouble with this question is in the carelessness of the breeder. I believe it possible for a single pair of fowls to produce a thousand offspring and without any loss in health, size or prolific egg production.

Selection is the grand factor that should accompany this usage, two matings to either family from the first or one-half blood stage, with selection the counterpart of the original pair. With the bringing together of specimens of both strains we have identically the results of the chick from the original pair and will be found to be equally as large, strong and prolific.

For sixty years last season, I have bred Brahmas and eight females layed an average of 88½ eggs each from July 1st to June 1st. Do you doubt for a moment that the flock was anything but a robust, healthy lot to do such laying for Brahmas?

Health, Nature, shape, with proper care is the grand secret in success with any breed. So long as the breeder can at any time in his own flock mate to secure groups of one-half blood of each of his original pair or pen, so long he need have no anxiety about the health, strength and prolificacy of his flock.

I. K. Felch.

#### "DON'T BE A CLAM."

You have no idea how busy we are at Darlington. We had to postpone my own funeral—we really did—because I could not spare the time to attend. My daughter spent an hour arguing with me to show how useless it was to have it unless I could be there, so it has been indefinitely postponed and we are still raising S. C. Wh. Leghorns.

Darlington Egg Farm. Alfred P. Edge, Box B, Darlington, Md



to produce strong chickens from hens kept on the city lot during the spring, but the city poultry keeper who can breed profitable chickens from both male and females reared on his own limited run is, in my humble opinion, extremely clever. He may do the trick with a few bantams, but such pigmies are outside the pale of this article. To put the city lot or the back yard run to any other use than for the confinement of laying stock is to put it to a disadvantage. When it comes to getting eggs, I have proved from past experience that the well managed fowls on the small town run can show up as well

up with pullets when the older birds are approaching a strike and showing signs of moulting. They are wise. It is the best and most profitable system to follow. The price realized on the old birds more than half covers the cost of the younger ones, and eggs are insured nearly all the year round. What has brought the limited run into disrepute so often is the fact that too much is attempted in the space at command.

Has the free range any virtue as a run for fowls kept for breeding purposes, and for growing fowls? Yes, it has such virtues as can never be found on the limited run. The breeding stock





## Review of the Origin of the White Wyandotte

By LOUIS A. STAHMER

**W**HAT ART is simply a beautiful way of doing ordinary things, then the originator of White Wyandottes certainly must have been an artist of the highest order.

Where, in the poultry world, can you find a fowl that would appeal more to an artist than a perfectly formed White Wyandotte? When we speak of the shape of the White Wyandotte we have always to refer to their curves and it is curves that make artistic things possible. Not only with feathers is the Wyandotte a handsome bird, but strip off its plumage and you will still find the same lines of grace and beautiful curves on the carcass.

The Wyandotte is, unquestionably, one of the best varieties of poultry ever produced. It is a breed that recommends itself in various ways, pleasure and profit being its two chief recommendations; properties which every breeder is looking for, and which should never be overlooked when choosing a new breed for the farm or poultry yard.

There is no better fowl for the fancier than the White Wyandotte. In weight they come nearer to the ideal fowl than any of their numerous competitors. As winter layers they cannot be excelled. Their combs are never frozen, on account of being so close to the head. As broilers they command the highest market prices, and are bred exclusively on many big farms for this purpose. They breed true to type and name and throw but a very small percentage of culls. At shows they form the largest class, and White Wyandotte alley is always the center of attraction. Big prices are paid for fine specimens, and the demand for high class birds is ever increasing.

Much has been written about the origin of the breed, but that they originally were sports from the Silver Laced variety is generally accepted as true. It has been held that they were in existence as early as 1870, and admitted to the standard in 1888.

The early Silver Wyandotte produced both black and

white sports and, in as much as the whites, are sports from a recognized standard variety, they naturally are a thoroughbred and not a crossbreed. They received the greatest boom during the year just prior to their admission to the standard. During the year 1883 considerable attention was given to them and the honor of bringing them before the public at this time in good form belongs to Mr. B. M. Briggs and Mr. G. W. Toule.

In looking over some old issues of the American Poultry Journal, during the period of 1883-87 quite a few heated discussions are recorded between F. M. Clemans, Jr., and Mr. Enty, which all helped the breed some.

A few years later when the demand for Silver Wyandottes declined on account of unscrupulous breeders sending out stock which possessed but very little value, the whites suffered also, and for a time, they were, so to say, down and out; but, like the old saying, "You cannot keep a good thing down," they came back better than ever, and the once neglected breed became one of the leaders and has held that position up to date.

The plumage of the White Wyandotte should be chalk white, not brassy or pinkish in appearance. While the old breeders had to fight this brassy condition that made its appearance in the males each year, they have been bred for a number of



Living specimens of White Wyandottes that approach very closely the ideal

years absolutely stay white by our present day fanciers.

The name of Wyandotte was suggested by Mr. Fred A. Houdlette and was given in honor of a coasting vessel bearing the name of Wyandotte which belonged to his father.

White Wyandotte baby chicks are sometimes bluish white in appearance and many a new beginner thinks he has been cheated when he takes off the first hatch of a setting of eggs of this variety. These dark colored chicks, however, will mature into birds that have the whitest plumage of any and the beginner should not worry about these off-colored chicks. We know of some breeders who are willing to pay top prices for them.



# White Wyandottes From Shell to Show Room

By J. C. FISHEL



**T**O BREED good strong stock that commands the highest prices in the fancy market it is necessary to start them right and keep them growing from the shell to maturity, not necessarily by forcing as you would for market but by studying natural growth, giving them all the good clean food they will eat and take care to provide sufficient room

While most of our birds are raised by artificial means, we also use hens when we find them broody, and especially late in the season, and we have learned that the rest will do them good. And while on this subject I wish to say that there is nothing that we have yet tried that really does a White Wyandotte pullet more good than to allow her to sit and hatch a brood of chicks. Give her a safe quiet nest, when she becomes broody, say about the middle of May, and when chicks are hatched allow her to take them for about a month. The seven weeks that she is sitting brooding seems to add a finishing touch in every way. She will moult better, will broaden out and become deepened in breast and body—in fact, it seems that nature had intended something of this kind in order to put the finishing touches on the female, and especially the pullets when only one year old. These hens invariably moult early and moult well and are back in the yards in show shape and in laying condition by the time the early shows are on, and the chicks that they have hatched—even as late in the season as this may seem to some—make us our choicest specimens for late winter exhibitions and for breeders the following year. The only objection we can find to this is where carelessness develops on the part of the owner or manager and where birds are not given the care they should have at this time of the year. If we can get Wyandotte chicks, either male or female, fully feathered when frost comes on we will do the rest and will lose a less per cent than those hatched earlier and invariably get our best chicks.

I really believe the hatching season in the Middle and Eastern States is not over until the latter part of July or early part of August, and it is an old saying but a true one among the fanciers that many of the best specimens that have ever graced our American show rooms were hatched late in the middle of summer. As a rule, hatches are not quite so good then; chicks do not start so well and they require a little more time and attention on the part of the owner to keep them free from vermin and keep them growing constantly, but I don't know of anything connected with the poultry business that pays as well on the investment as the

care and attention that is given to these late hatched chicks that round out into our handsomest specimens in late January of the following year.

The question of feed for young stock as well as old is a matter that must be decided by the owner of the plant and depends largely on the location and the price of the feeds from which the best results are obtained. I have tried nearly all the different brands of feeds, some good, others bad and some indifferent, but as a rule good results have come from the use of cereals that are grown on our own farm, such as corn, wheat, oats, buckwheat, millet and vegetables that can be grown in your own garden to be fed during the winter months. These can be fixed in so many ways, either as mash or dry feed, and we do not believe that there is anything that adds strength and muscle at a less expense

Our system of caring for young chicks when hatched from hens or weaned from brooders is to divide them in small flocks not to exceed twenty-five in one place; give them good shelter and plenty of room to spread out on hot nights; see that they have good ventilation, that their coops are kept clean and absolutely free from lice and mites, two of the worst enemies known to poultrymen. Another caution that I would add, see that your chicks are screened in with wire to protect them from "varmints" at night, but at the same time be careful that ventilation is provided and do not close up your coops so that chicks will sweat and in that way contract colds as soon as they come out in the morning.

After you have been successful in the shows then advertise your birds judiciously. Don't take a little half-inch space in the leading papers and think the people are going to fall over you to get your stock. You will get lost just like the penny in the drawer of twenty-dollar gold pieces. If your stock is worth advertising then take liberal space and carry it twelve months in the year. Don't try the system of spending it all in one month, then wasting eleven months of the time before you begin anew, but keep constantly at it, keeping your name before the breeders in bold type, making claim of everything you have honestly won and do in each and every instance all that you agree to do by your patrons, and trade will eventually come to you and at prices in keeping with the quality of your stock. The young breeder must learn as I learned in starting that he cannot expect the prices at first that he will get later. He must establish his reputation, not alone as a showman but as a breeder of show birds. When he has done this then he may expect not only good prices but the top prices on all good stock he is able to dispose of.

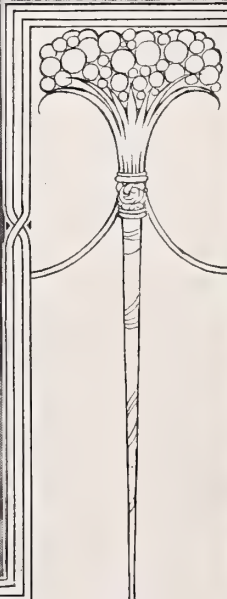
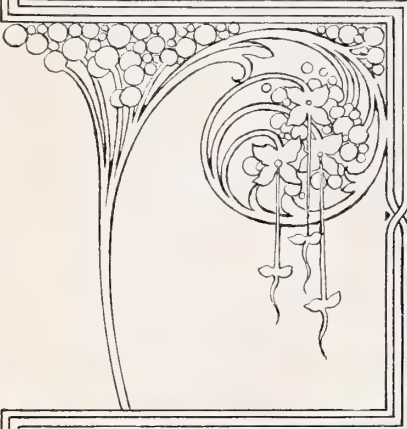
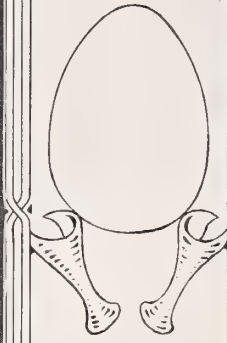






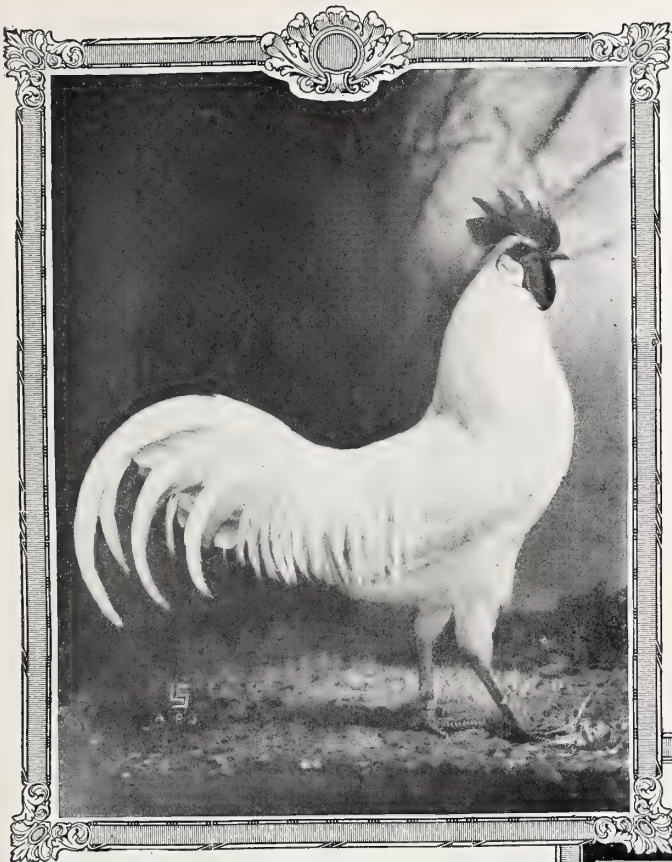
White Wyandottes bred and owned by J. C. Pishel & Son, Box J, Hope, Ind. Color engravings made from photograph. These gentlemen have just issued a very handsome book on this breed. It really is much better than most persons would expect. It contains more up-to-date information on White Wyandottes than any other similar book, and is easily worth 25 cents.





Mentioning White Wyandottes brings the name of J. C. Fishel & Sons, of Hope, Ind., Box J, immediately to our mind. They have been breeding this variety so long and of such fine quality that the firm is known the world over and their Wyandottes have well earned the title of "The World's Best" on the strength of their wonderful record at shows and in egg production. Their catalog is also in the class with "the world's best" and easily worth the 25 cents they ask for it.





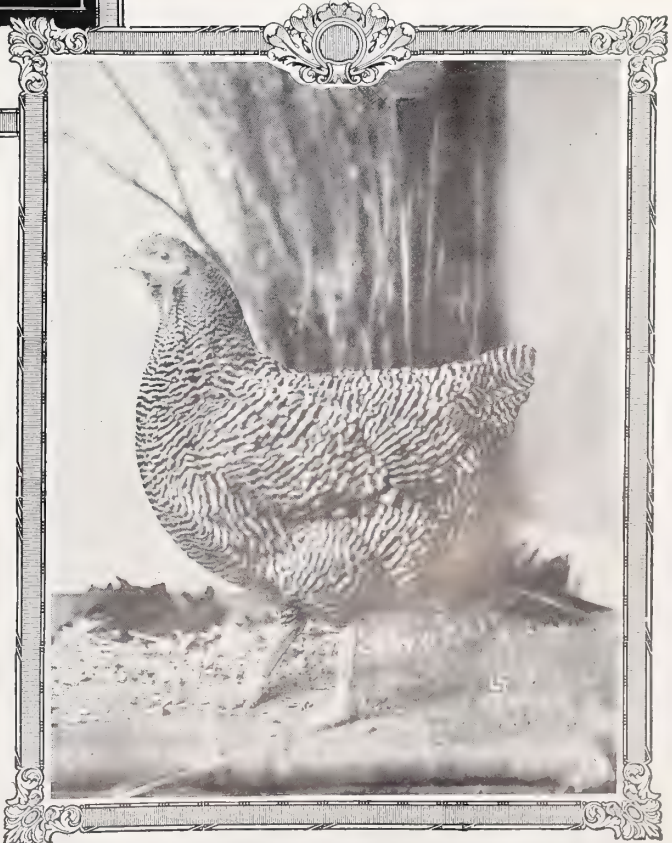
Prize winning S. C. White Leghorn cockerel, Chicago, Dec., 1912. Bred and owned by N. P. Easling, Pekin, Ill.

A "Halbach" White Rock pullet. H. W. Halbach, Waterford, Box A, White Rock specialist, three times in succession winner of grand prize for best display, at Chicago.



First S. C. White Leghorn pullet, Chicago, Dec., 1912. Bred and owned by N. P. Easling, Pekin, Ill.

First prize Barred Pl. Rock pullet at St. Louis, 1912. Bred and owned by W. W. Henderson, Bridgeport, St. Louis Co., Mo.



Progress  
of the  
Breeds  
1913



# White Orpingtons the Fancier's Fowl

By E. S. ALDRICH



HERE never was a perfect bird and there never will be. Hence the interest in breeding. If show winners were easily produced, they would be cheap and plentiful. The fascination in breeding consists in so mating the birds that the less perfect sections are improved in the offspring.

In mating your breeding yards always select with great care the male birds that are to head the yards, as the male is half the pen.

All fowls for breeding purposes should have blood lines that you know are of the best. If you do not own a male good enough for your mating, buy one, for it will be money well spent.

It is false economy to think that you can save money by buying cheap birds and build up good blood lines by yourself. You will, to be sure, save some money at the beginning, but before you have produced birds which will make a creditable showing you will have paid out more money buying stock to cross with your cheap birds than you would have had to pay for good stock in the beginning and then more than likely you will not have any better stock than you had in the start. If you are going in for fancy poultry do not try to save on your first pens, but buy absolutely the best your means will permit. It is much better to buy a bird or birds from a breeder with a good show reputation, that will not get a place in a show, than it is to buy good looking birds from a breeder who does not show. The blood in the better breeder's birds is worth a whole lot more to you in your breeding pens than the accidental good quality of the birds which some other breeder may sell you.

The breeder who wins proves to you that he has good stock and that he knows how to mate it to produce good results.

Buy birds that are line-bred and you will have little trouble securing good results from your matings. If you buy fowls that have been produced by haphazard mating you need not expect much from your matings.

The fancier who understands line breeding thoroughly and practices it in the matings of White Orpingtons will get far better results than the breeder who mates his pens according to their appearance. The old theory of "like begets like" does not hold good in the majority of cases unless the birds come from line-bred stocks and even then the laws of heredity

will assert themselves. Line breeding intelligently followed up works wonders in the improvement of any flock and good points, such as improvement in type and color, can be perpetuated and serious faults or imperfections eliminated. To raise White Orpington chicks properly, they must not be neglected at any stage of their growth, especially during the early stages they must be carefully tended and supplied with suitable food in order to grow into specimens worth while. It is a good plan to vary their rations from time to time in order to keep their appetite up.

Orpington chicks should be hatched as early as possible in the season in order to get size into the birds, as well as Fall and Winter layers. Pullets hatched in March or the beginning of April will begin to lay generally in October and keep it up during the coldest weather. There has never been a new breed or variety of fowls that has made the progress as the White Orpingtons and it is an established fact no new breed has a better foundation in the world in regard to its future. There is no let up in the popularity of the White Orpington and every day new breeders are taking them up. They have gained their popularity entirely on their merits and come up to the requirements of the most exacting demand. Their shape and color is improving from year to year and in the show room they form the largest classes. They can be kept in small quarters. A wire fence four feet high will retain them. They are good sitters and fine mothers. Another thing in their favor is, that when you kill a bird their carcass fills the pan with as fine a quality of nice, juicy meat as you can find anywhere. The breed promises so many fine all around points that, in order to enumerate and go into details of all of them, we would need quite a few more pages than are at our disposal here. Give them a trial this coming season and you will be quickly convinced that everything said here in their favor is absolutely true.

In showing we make it a practice to take a large exhibit, from twenty to fifty birds, and to prepare this number and get them in show condition is no boy's job. It takes several weeks' steady work and your own personal attention during the week of the exhibition. If you do not consider the winning of prizes at any show as worth that much time then keep away from it; if it is worth your time, then do it right. The larger the exhibition the stronger the competition, the more honor to win and the more it is worth to you as a breeder to win.



A BREEDING PEN OF ALDRICH WHITE ORPINGTONS





FIRST PRIZE WHITE ORPINGTON COCK, CHICAGO, DEC., 1912. FIRST PRIZE AND CHAMPION FUTURITY PULLET, ALLENTOWN, SEPT., 1912.

Bred and owned by Aldrich Poultry Farm, 5076 N. High St., Columbus, Ohio. Color engraving from photograph. The above illustration shows the fine type and size of the birds, which was responsible for the many first prizes they have won at the leading shows in this country. At the Chicago show just closed, the Aldrich Farm added: 1, 5, cock; 2, 3, 4, cockerel; 3, 4, hen; 2, 5, pullet; 1, 3, 5, pens, and a number of special prizes to their already long list of winnings.





First prize White Orpington cockerel, Springfield, Ill., 1912. Bred and owned by Iowana Farms Poultry Dept., Dr. Bryant Smith, Mgr., Box S, Davenport, Iowa.

First prize and champion male S. C. R. I. Red, Philadelphia Show, Dec., 1912. Bred and owned by Schenley Heights Poultry Yards, Pittsburg, Pa.

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Prize winning White Orpington hen. Bred and owned by Iowana Farms Poultry Dept., Dr. Bryant Smith, Mgr., Box S, Davenport, Iowa.

First prize Silver Campine cock at Chicago, Dec., 1912. An excellent specimen of the breed. F. E. Hering, South Bend, Ind., owner.





## NOTES FROM THE SOUTH-WEST

H. H. STODDARD

CONDUCTED BY

RIVIERA, TEXAS



## THE BEST PLACE.

SOME of my fowls have roosted over two years in the open without even the protection of the sun boards shifted from their summer horizontal position and placed on edge to screen the perches from the direct blast of the northerners, a practice I have followed with some other flocks.

One winter the weather was the severest in the knowledge of the oldest inhabitant and one summer the most ancient resident never before saw rain pour down so. My birds that had not the least protection summer or winter kept in splendid health all through, and are the most sprightly and vigorous today of any fowls I ever owned or saw anywhere before in my life outside of Texas, and there is no apparent difference between them and those defended by windbreaks.

Have no misgivings whatever regarding the houseless hennery, for this climate, and predict that poultry could roost out of doors the year round in districts considerably farther north and colder and more rainy than here in

competition with fowls housed in the usual way, and be healthier than the last mentioned.

Now, two years are not four nor ten. One swallow does not make a summer, though one frog may make a spring. If I find in the long run that absence of roofs will not do, I will take it all back like a little man, and then go to work finding whether roof alone, or roof with one side, or two, or three sides, is best for this climate.

Similarly, if the belt in about the center of southwest Texas, and well to the east to get the full benefit of the regular summer seabreeze, isn't the best part of the state for commercial poultry, then I am open to conviction. I remember a conversation between two church goers, heard when a small boy, while standing on the sunny side of an old Puritan meeting house. One said, naming a certain religion, "It is a curse." The other said, "No. Its followers are restrained from evil by it, and a poor religion is better than none." "Wrong," said Captain Latimer, the first speaker, "for its followers don't keep their minds open to conviction." There are no strings on me. Had just as lief experiment in

some other than Nueces county if it is free from mosquitoes, gnats, malaria and other diseases same as here. Several parties have written me from other Texas counties, urging the merits of their respective districts. Let the good work go on. Discussion brings out truth, or should do so. However, without shifting my base of operations, have learned lots about other counties, by travel, printed accounts and conversation, and always to the comparative advantage of this place for poultry.

Texas districts, other than the southwest, now raise great quantities of poultry products and will continue to do so. Fredonia had shipped in 1912, before the year had half gone, thirty-five carloads of eggs gathered from that part of the state. Other points are noted for their great numbers of turkeys annually sent to market, and as a whole, Texas is already a great poultry producer, but only through the ordinary farm yields. The regular commercial poultry plants that are yet to be established, but which are sure to come, and which will be the most numerous and the largest in precisely that part of the state, that is the most advantageous (the natural laws of modern business thus compelling) will cause the statistics of eggs to read, not merely in terms of hundreds of carloads, shipped from a region tributary to one town, but thousands of carloads. There will be and before so very long, too, a Texas "Petaluma." The resources and unique combination of advantages were here by nature and to stay. The outcome cannot be changed by any man or any set of men. Business of any kind concen-



"Ringlet" First Prize Cockerel and Champion Male at Madison Square Garden, New York, 1910-1911.

## E. B. Thompson's Imperial Ringlet Barred Plymouth Rocks

### The Finest Show Birds in All America Are Here on My Farm Today

I invite you to come to see them at their home—on their native ground. You can spend the day among show birds fit to win anywhere—they meet you at every turn on the farm. Visiting breeders and experts who have come thousands of miles this Fall say they are the best they ever saw or ever expected to see. One prominent breeder said when here: "I did not think it possible for one man to produce so many high quality Barred Rocks in one year." He is one of the many men who are finding that this great specialty farm has a larger scope than others of its kind.

### You Can Enjoy the Great Pleasure of Winning Silver Cups and Prizes if You Have My Birds

I have furnished First Prize winners for a great many of my customers this Fall, and will furnish First Prize winners for a great many more customers for the coming shows. I would like you to be one of these pleased customers. I can sell you show birds for any competition—the stronger the better.

Exhibition cockerels, yearling cocks, hens, pullets and exhibition pens for any show in America, and selected from my thousands of Imperial "Ringlets." Elegant breeding birds of the finest First Prize New York blood at reasonable prices. Write me your needs and I will help you; I will take a warm personal interest in your success.

**EGGS** from the World's Finest Exhibition Matings, \$10 per setting; four settings, \$35; one hundred eggs, \$60.

Richly illustrated 70-page catalogue upon application. It is full of pictures of New York winners from life.

SEE MY OTHER  
ADVERTISEMENTS

Address, *E. B. Thompson* Lock Box 510, Amenia, New York





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trates at the best places by "manifest destiny."

The variations in natural advantages for commercial poultry raising are as great in this state as its territory is extensive. To find the best place for such business more than a month's or a year's study is needed, so many considerations of soil and climate are involved. Whenever the advantages of rival localities are thoroughly threshed out, and the experience of pioneers in poultry keeping for the food market is published, the bulk of poultry exports will surely be produced in a comparatively very small district. People will come to this district, wherever it is, from every state in the union, for the express purpose of making poultry their sole business, just as the later poultry keepers at Petaluma attracted by its fame, came from many points.

The reasons the new Petaluma district will be comparatively small (though positively large, for there is lots of room), are as follows: The character of the soil is extremely important. From Riviera to the south you soon strike pure sand, utterly execrable for poultry, then further on, an alluvial formation, the silt transported from

the wrecks of mountains long extinct at the head waters of the Rio Grande. It is not as good for the fowl keeper as the diluvial formation of the coastal plain on which Riviera and Talfurias are situated, the soil here being an ocean deposit, not river, and perfectly ideal for poultry. I insist over and over, that the soil as well as the climate is extremely important. It is here neither loam, clay nor sand, but a mixture of clay and an extremely fine sand. The United States government has made a soil survey of the whole Southwest and a map showing the different kinds of soil, and nowhere except in this district is there this wonderfully fine sand, making with its curious mixture of clay, the ideal poultry soil where the birds will keep themselves free from vermin.

Little did I know the wonderful advantages of the ideal poultry soil. To begin with, my Connecticut experience was with the glacial soil, which being translated, means every imaginable sort, in patches. Next I lived on the lake formation or "loess" soil, found in the great trans-Missouri region. A deposit, through long periods of time, of mud at the bottom of an ancient lake. Now, in Texas, I found as above

described, two other formations with which I had no experience as regards poultry. Between the deposits of the glacier, the lake, the ocean and the river, it chanced that in one particular spot of oceanic formation I found the ideal. There are many districts of ancient ocean beds in the United States, but of widely different soils. The Government has found none at any other place with sand of such exquisite fineness as here, and the surveyors sent a jar of it to be kept in the laboratory at Washington, labelled "Nueces fine sand." It is finer than the proverbial "dust of the balance." If it had not by the winds of ages and by the burrowing animals become mixed with clay we couldn't live here. The surveyors named it "Nueces fine sand" on their map because Nueces county is where they found it.

Well, now, what is the good of it? Its fineness keeps the poultry free from lice, makes them healthy and saves their owner lots of work. That's the good of it, and it is much more important than it at first seemed to me. Fowls dust themselves everywhere, but not so thoroughly as here. The fineness is a continual temptation. This sort of

**THE MOST POPULAR FOWL today is U. R. Fishel's White Ply. Rocks**



**Strain S. C. White Leghorns**

The Kind that Win and Lay. Fancy Breeding Stock and Hatching Eggs For Sale. You Can't Do Better Than to Give Me Your Next Order. Write For My Catalogue and Mating List Telling All.

**Swastika Poultry Yards, O. E. Faxon, Prop. - - - - Plano, Illinois**



First Cockerel, Illinois State Fair, 1912

**MAPLE FARM OF MIDLOTHIAN**  
SPECIALTY BREEDERS OF

**White Rocks**

Our recent victory at Illinois State Fair, where we won: 1st, 2d, 4th, 5th prizes on cockerels; 1st, 3d, 5th prizes on pullets, and 3d pen, showing only young birds, is proof abundant that the Maple Farm Strain of White Plymouth Rocks can win in any company.

We have a limited number of first class utility cockerels carrying the best of the famous Maple Farm blood lines that we offer for immediate delivery at \$5 each.

Our breeding pens are now being selected, and after January 15th we will be in a position to furnish eggs for hatching from high class matings and also from utility stock.

Send for our big free catalog. It tells all about our strain of poultry, and also gives many valuable hints for the man who would succeed in the poultry business. A post card will bring all this information. Mention A. P. J.

**Maple Farm of Midlothian**  
**Box 5 : Tinley Park, Illinois**

Chas. D. Ettinger, Prop. R. R. Sta., Midlothian, Ill. Walter A. Cook, Mgr.



sand is fine enough to enter readily into the very minute breathing pores of lice and kill them in short order. Another advantage is that the birds scratch their yards all over and keep everything neat and sweet, saving their owner the labor of spading.

\* \* \*

Apropos of the plan of having the A. P. A. make moving pictures of poultry raising, and so redeem itself from the stigma in the eyes of many, of doing very little for the poultry food market while doing so much for the

fancy part, I have received two letters from A. P. A. members of long standing, objecting to the expense of such pictures, and claiming also that the original purpose of the association was not to do missionary work in behalf of table fowls.

Well, the "missionary work" will boost fancy fowls equally with food market fowls, and besides I believe that "movies," as mentioned in issue of Journal, November, 1912, page 1536, would prove such a big and impressive advertisement for the A. P. A. that

new members would flock from north, south, east and west and roll in fees enough to replenish the treasury.

It will be a case of the more movies the more members and the more members the more movies, like the instance often cited of buying more land to raise more corn to feed more hogs to get more money to buy more land to raise more corn, and so on. Already the membership is wonderful and away beyond that of any other live stock association in either hemisphere. The old charter members in the old days

# E. B. Thompson's Imperial Ringlet Barred Plymouth Rocks

Are the Greatest Achievement in Modern Poultry Breeding,  
They are the Product of Over 30 Years of Skill

## EARLY WINNING SHOW BIRDS

I now offer the finest very early hatched exhibition birds that I have ever produced—grand size and shape, fine heads, even clear blue color, and narrow clean-cut vivid barring to the skin. They are matchless and ready to win prizes for you in any competition in the world. The prices are very reasonable.

**My Imperial "Ringlet" Barred Rocks Have Demonstrated  
to All the World a Distinctive Superiority**

**They Stand Without a Rival as the Leading 1st Prize Winners  
at America's Imperial Show, Madison Square Garden, New York**

**A Great Light on the Subject of New York Records**

The "Ringlets," exhibited by me personally, have won at New York a grand total of 25 first prizes—this is almost double the number ever won by any competitor—no other Barred Rock breeder in the world has ever won more than 13 first prizes in the entire history of the New York show—mark the difference—these figures are as remarkable as they are conclusive—they inform the public who have hitherto been confused by conflicting claims.

**They Mean Something—They Sweep Away at One Stroke All  
Doubts and Settle the Question of the World's Leadership**

"Ringlet," First Prize and Sweepstakes Cup Exhibition Pen at Madison Square Garden, New York, 1910-11

prizes on cockerel mated pens which are specials, nor a first prize for each bird in an exhibition pen—a pen is shown collectively and wins but one blue ribbon.

My "Ringlets" have won first prize on exhibition pens at Madison Square Garden 7 times, no competitor has ever won first but four times. I have won both first and second prizes on pens 5 times and no competitor but 3 times.

My "Ringlets" have won at New York ten first prizes on single cockerels and cocks—including first prize and champion cockerel and first cock at the 1910-1911 show—almost as many first prizes on males alone as any other Barred breeder has ever won on anything. I am the only living Barred Rock breeder who has ever won all the regular prizes on pullets at a single New York show, viz: 1st, 2d, 3d, 4th, 5th.

My "Ringlets" have won every Silver Cup and Trophy that has ever been offered at Madison Square Garden to be won three times. In short every trophy on Barred Rocks that has ever been offered to be won three times has been finally won by me and is now my absolute property. Among them are the \$100 Challenge Trophy and the \$100 Association Cups.

**These winnings tell more of the sterling qualities of the Imperial Ringlets than volumes I might write—They tell what the New York Show says.**

The "Ringlet" record for 1910-11 at the Madison Square Garden, New York Show, is the most wonderful ever made by any Barred Rock breeder since the New York Show was founded. (See ad on back cover page for this remarkable record.)

The best is none too good for my customers and if you want to show you will find that judges appreciate the wondrous beauty and sharp "Ringlet" barring of my Barred Rocks. Prices are reasonable and thousands of birds to select from.

**Elegant breeding cockerels, trios and pens of this greatest New York prize blood for sale, and mated to produce winners if desired.**

**EGGS from the World's Finest Exhibition Matings, \$10 per setting; four settings, \$35; one hundred eggs, \$60.**

**Richly illustrated 70 page catalogue upon application; it is full of pictures of New York winners from life. Address**

SEE MY OTHER AD. ON  
BACK COVER PAGE

*E. B. Thompson*

Lock Box 510  
**Amenia, New York**



never dreamed in the early days of such prodigious growth. But there is still a dozen persons who should join, to one who has already joined.

Mr. Fancier, do not scorn the food market. It is the base of the whole fancy poultry business. A. P. A. should help utility breeders by means of the moving picture proposition.

It is commended to the notice of all fancy breeders that the greater the interest becomes in food market poultry keeping, the greater demand there will be for exhibition-bred or standard-bred stock. Reader did you ever stop to think that people who are not fanciers at all, or who are fanciers to only a very limited degree, and who never exhibit nor who never expect to do so, are the very class who largely pay the bills of the whole enormous fancy poultry business? It is this way: The select spirits tuned way up to the highest pitch of prize winning at Madison Square Garden, or Boston, Chicago or St. Louis, etc., and who sell eggs at \$5 a piece and single birds for \$500, trade with fanciers almost, but not quite, as expert as themselves. The comparatively unskilled, modest little one-horse fanciers will not buy at very high prices. Those who do support the

very elite by paying above figures, sell in turn, at \$1 per egg, mayhap, and \$100 for a choice breeding bird. This class of buyers comprises many more fanciers than are in both the classes above them, and the great number of the transactions offsets the lower prices. Still another class, and, in turn a larger one, buys at still lower rates, and so on, till finally a zone is reached where prices of eggs for hatching are somewhere around \$1 or \$2 per sitting, or just enough to warrant the bother of breeding yards, and packing and shipping, with the expense of a few quite small advertisements added. Breeding stock prices in proportion.

And now we reach the greatest number of transactions of all. No advertising, no packing of eggs for shipping, but neighbors come with their own baskets and carry them away at 50 cents or perhaps 75 cents per sitting. Sometimes the practice is to just double the market price, but there are cases where the owners of large flocks of pure bred birds sell many eggs for hatching at an advance of but a nickle per dozen over current grocery store prices, buyers being not able to appreciate. It is true in some parts of this state.

It needs but a glance at the situation to discover that fanciers as a whole class can reap no ducats by trading with each other. What one puts into pocket came out of the pocket of another, and "t-h-a-r-e-y-e-a-r-r-e." Not intending any invidious comparison, it is just like gambling. In the last analysis the professional gamblers never pay for their board and clothes out of the winnings from fellow experts, but out of winnings from players who try to be experts and pay more or less heavily for the learning, that they are not such. The bumpkins or hayseeds at the very foot of the ladder of skill, combined with trickery, are the ones who finally pay the expenses of all the rest.

To return to the A. P. A., when on top of the opportunity it made for the exhibitors of cattle, sheep, swine and horses to copy our system of judging by a printed standard, thus making all branches of live stock exhibitions more feasible it has given to the breeders of the larger domestic animals the inspiration of a bigger association as regards membership, and customary balance in the treasury, than in case of any other association of breeders of any sort, in the wide, wide world.

## THE MOST POPULAR FOWL today is U. R. Fishel's White Ply. Rocks THORNILEY'S ANCONAS

Greatest layers of large white eggs on earth. I have several hundred large, dark, evenly mottled males and females for sale reasonable. Day-old chicks ready to ship after February 1st. Eggs for hatching any time. Write for illustrated catalogue.

Willard J. Thorniley : Route 1, Box 36 : Marietta, Ohio



A Longfield Winner. Score by McCord, 94½.

## R. C. REDS

### Our Recent Winnings at the Great Chicago Show, Dec. '12

Were 1st hen, 2d young pen, 4th pullet, 5th old pen, 5th cock, shape and color special on female and champion female. In addition to these winnings the 1st cockerel and 1st pullet were bred from females and our 1st Chicago cockerel which we mated and sold Mr. H. A. Robinson.

At the Chicago Show, Dec., 1911, we won 1st cock, 1st chl., 1st pullet and 1st young pen; winning every first we entered for.

In the past two years at this great show we have won more than twice as many firsts as any other Rose Comb Red breeder. Is not this the quality you need to strengthen your flock or wish if just starting the fancy? Eggs in season. Stock, on approval always.

**LONGFIELD POULTRY FARM**  
**BOX 321 : : BLUFFTON, IND.**



It is respectfully suggested that following the example of the Philadelphia North American, the Missouri Station with its enterprising and praiseworthy Mr. Quisenberry at his head; and other trials: A. P. A. might, to great advantage all around, establish and pay for a trial in perpetual session, of laying qualities of breeds, that would hit the nail on the head more squarely than any similar trials have done or are at present preparing to do, so far as practical results are concerned. The crying question is, which is the best breed for laying? Year after year thousands if not indeed millions of people are earnestly asking that question. Time and money of private parties are spent in making separate yards and buildings, procuring birds and trying this and that breed in competition; but generally the conditions are not rigid enough, and even if the experiments are strictly conducted, results prove merely that the experimenters' particular samples from other sources would give very likely other results.

What the public want to know is, the average laying traits of different breeds, not the qualities of a particular squad procured from John Jones or Bill Smith. In other words, the question is, if you and I, and hundreds of others, go to those who have stock to sell, at this place and that, and to very many different places, and stock up with a particular breed, how will we fare in egg gathering on the average, compared with another crowd of hundreds of buyers who buy another particular breed, of hundreds of other parties?

Little it matters what the egg yield is of particular squads of layers selected by their owners for a formal trial, like those lately closed at Storrs and Mountain Grove. The great public are not going to buy of that set of men to any important extent. But it does matter what sort of fowls are in the hands of the general crowd of sellers with whom the general mass of buyers are to deal. Get me?

Now let A. P. A. maintain a station right along year after year in charge of officials absolutely disinterested as regards the comparative merits of breeds, of character above suspicion, with premises under lock and key, and all the recognized precautions. Let them procure healthy birds, lots of them, from the same sources exactly as ordinary buyers do, and completely at random, a bird in a place so as to strike a broad average. Let the ages be the same. Say, one year from date of hatching, so as to be absolutely fair for all breeds. Or baby chicks all hatched the same day.

Whatever the details of the plan, let there be exact equality of conditions. If in one breed a certain percentage of purchases are made from free ranges and the rest from yard let the same proportion obtain in buying other breeds, and so forth and so on. If a certain proportion of purchases are made from advertisers in the papers in case of one breed the same procedure must be used for all other breeds, and even the rank of the party selling must be taken into consideration; that is, is he a high-mucky-muck who wins prizes at big exhibitions, or a beginner of little experience, who both buys and sells at moderate prices.

Such a method would be strictly scientific. It would have universal practical results, for what the ordinary prospective purchaser wants to know is

# YAMA BLACK MINORCAS

THE ARISTOCRATS OF THE POULTRY WORLD

**They Lay The Largest Hen's Eggs  
Known, And White Shelled, Too!**



means

"Yama-no-uchi"

To lay brown eggs for some customers,  
to mother our breeding stock, and  
for fine feathers, we raise our

## YAMA BARRED ROCKS

Both varieties have years of breeding experience behind them, and raised on a thousand-acre farm, they have plenty of room. Today we can supply the choicest individuals to be found anywhere. Look up our show records—firsts wherever shown.

*Send for Booklet.*

## YAMA FARMS

YAMA-NO-UCHI

NAPANOCH

ULSTER COUNTY, NEW YORK

*Satisfaction guaranteed or money refunded.*

Newton Cosh, Manager Poultry Department.



the laying quality of the stock he is about to buy, not the quality of unusual birds that are culled by the owner for a formal competitive laying trial, and are either not in the market at all or are held at fabulous prices.

Now to do justice to such experiments as those at Storrs and Mountain Grove, they have a merit of their own. Their value should not be discounted in the least, for it is worth much to know what can be done with exceptional individuals of various breeds. Repeated trials as years roll on will show whether a given breed is improving or growing weedy and petering out as regards the phenomenal layers; while, on the other hand, the repeated trials of A. P. A. will show whether the rank and file are improving or deteriorating.

In addition to the laying feature, the birds selected impartially in every particular as above described could in the A. P. A. trials be weighed and their average weight recorded and in time it could be ascertained whether particular breeds were becoming heavier or lighter under the climate and ordinary treatment of the country. The degree of health, rate of sickness and mortality could be noted. What could be called an authentic history of the progress of our chief utility breeds could be written, embracing all important particulars, not the matter of laying solely. At present there is much guesswork. It is claimed that certain breeds once valuable, have "run out"; this is denied, and who knows? If a tendency either good or bad is proved, it will bear on the question of manufacturing new breeds from time to time.

\* \* \*

The following quotation purports to be a good way of having "eighteen sitting hens" in one room, and its author claims that there will be no argument:

"My experience with sitting hens has been a very successful one, and I sincerely hope this little article

will be of benefit to many readers. First, select a suitable place where wind and rain cannot enter and where there are no rats. Don't try to set hens in the house where you keep your other fowls. No matter if they are shut in, the other fowls will bother them and cause them to become uneasy and break their eggs, with the result of a poor hatch.

"For nests I use cheese boxes, which can be procured from the grocers at 5 cents each, and in some instances for the asking. These boxes being round and low insure the eggs from being broken by the hen jumping down into the nest. In the bottom of the nests I place some slightly moistened earth. Then I fill it as full as I can of fine hay, packing it very firmly and sprinkling a good lice powder thoroughly through the hay. After every hatch I destroy the hay by burning and replace it with a fresh supply to guard against lice and mites. After filling the nest with hay, I place some nest eggs therein. After dark I get the sitting hen, dust her thoroughly with lice powder, place her gently on the nest, cover her with a splint bushel basket and let her sit. Then I put a box of road dust for a dust bath in the room and have plenty of clean fresh water, corn and grit always accessible. On the following evening I uncover her. In the morning she will come off to eat and will return to her nest. I let her sit until she thoroughly makes up her mind to stay, then place from thirteen to seventeen eggs under her, according to the size of the hen.

"I have had as many as eighteen hens setting in the same room with no disturbances, no arguments and no broken eggs."

Much of the above is very good, but

a few amendments are needed. To begin with, if some of the nests are round cheese boxes, others should be square, and painted divers colors, and placed in as great a variety of positions as possible, so as to help each sitter to know her own. But no matter what you do, there will in the long run be "argument," and broken eggs in a room of this kind. The greatest objection, however, and one that should be considered fatal to the plan, is that there is not enough of the right sort of exercise provided.

Unless the sitters have opportunity to run quite a distance, and fly up to a little height, and stretch their wings and skirmish around generally, thus bringing certain muscles into play, a percentage of the birds will suffer from looseness of the bowels, and constipation by turns, and will foul their nests, making the most exasperating nuisance in all hendom.

As the best breeders in the country are more and more following the practice of natural incubation, either entirely, or, anyhow, in case of their choicest stock, the very best way of managing sitting hens is well worth careful study. To "set a hen" has been, during all the ages of humanity since humans began to know enough to keep fowls at all, a pretty simple matter. Yet to set and care for a large number of birds in the very best way possible will make you need to put on your thinking cap. Wish that every reader that discovers a good way would write me describing it. If I was running this 'ere Journal I would print every year, for the benefit of new subscribers, the excellent plan explained on page 1077 with illustrations. Why, oh why, do publishers of poultry papers cherish the idea that a good scheme, novel and important, with an uncommonly fine description and picture, the fruit of time and brains, must never appear twice, when there are so many thousands of new readers constantly coming on to the stage?

**HAVE YOUR HATCHES INSURED** PROGRESSIVE POULTRYMEN EVERYWHERE ARE DOING IT. THERE'S A REASON. SEE MARTIN'S AD ON PAGE 21

## QUALITY WHITE ROCKS

WON AT GRAND CENTRAL PALACE, NEW YORK, DECEMBER 3d TO 7th, 1912

Cock, 1st and 5th; hen, 3d; cockerel, 1st, 2d and 4th; pullet, 1st and 2d; pen 1st; special for best display; special for best pullet in the show, any variety. When in need of the quality kind, write. Please mention American Poultry Journal.

L. C. Bonfoey

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Box 72

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Vernon, Connecticut

**"TWO OF A KIND"**

TWO

**OPEN AIR**

HOVERS

Nature AND Close-to-Nature

Bird life demands open air—Close-To-Nature Brooders give it. Contact warmth like the old hen—plenty fresh air—no overcrowding. Give chicks these three things and raise every chick in flocks of 100 to 300.

It is natural for chicks to get their warmth by coming in contact with a warm body. Habit and heredity for several thousand years have made this the case. But hot air or furnace is not natural. It dries out, weakens and kills.

Chicks in Close-To-Nature Brooders nestle their backs against a warm body that perfectly stimulates the broody hen.

The Close-To-Nature Brooders have a very long, narrow hover which allows large flocks with no congestion. Such hovers are not possible except with contact heat. For raising chicks in cold weather, the Close-To-Nature Brooders and Hovers excel. Send for free catalogue.

**Close-To-Nature Company, 38 Front Street, Colfax, Iowa**



# Write Your Own Guarantee



We have started out to convince 100,000 users of Incubators that they can't afford to take off a single hatch until they have equipped themselves with one of our



## Ajax Improved Oxygen Vitalizers

### Read --- Sworn Proof

F. J. RUSSELL,  
Breeder of High Class Poultry.  
Summerdale, N. Y., July 12, 1912.  
Reliable Poultry Specialty Co.

Gentlemen: It affords me much pleasure to furnish you with a report of my work with your AJAX IMPROVED OXYGEN VITALIZER for 1912. From my first hatch, I secured a big, strong chick from every egg but two. On the second hatch a chick from every egg but six, and on my third hatch of the season 307 chicks from 307 fertile eggs. I cannot speak too highly of the great worth of this truly wonderful device, and I heartily recommend it to all poultrymen and poultrywomen throughout the world.

With best wishes, I am,  
Very sincerely yours,  
MRS. F. J. RUSSELL.  
Under Seal Sworn to before me this 12th day of July, 1912.  
C. R. CRIPPERLY,  
Notary Public.

## BULLETIN

N. Y. State College of Agriculture

"OXYGEN is essential to normal development, the amount required increasing with the growth of the embryo. The eggs give off carbon dioxide and this increases as the embryo grows."

The Ajax Improved Oxygen Vitalizer delivers just the right amount of oxygen, 99 3/10 per cent. pure, to the egg chamber just when the chicks need it most. **RESULTS! A Big, Strong Chick from Every Egg.**

See Mrs. Russell's Letter Above.

Berwyn, Pa., Nov. 1, 1912.  
Reliable Poultry Specialty Co.  
Alexander, N. Y.

Gentlemen: So that you may fully realize what your AJAX IMPROVED OXYGEN VITALIZER did for me in 1912, I respectfully submit the following:

One Vitalizer costing \$3.50 saved me \$126.80 the very first season.

In my experimental work I fully proved to my entire satisfaction that the AJAX IMPROVED OXYGEN VITALIZER is a positive preventive of chicks dying in the shell and of White Diarrhoea.

You may use this letter as fully as you choose because the Poultry World ought to know the real value of this wonderful scientific device.

I wish you much success for 1913.

Yours very truly,

MARY D. NEWCOMB.

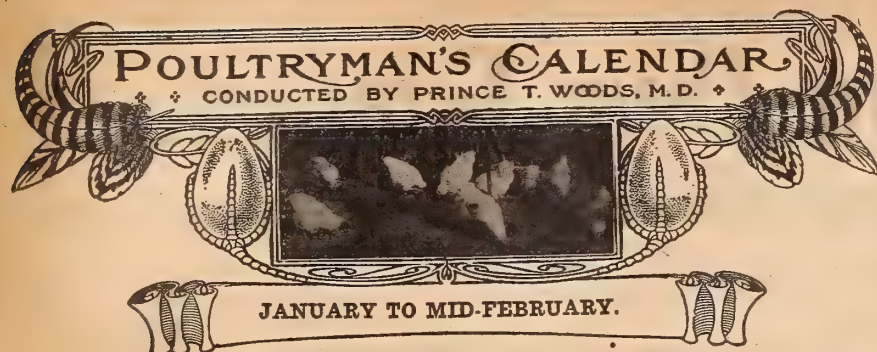
**S**o overwhelming has been the proof which we have received from those who used the Vitalizer last season, that we make and pack with every Vitalizer that leaves our factory, a printed and officially signed "Money Back" guarantee. We guarantee that the Ajax Improved Oxygen Vitalizer will produce a big, strong, vigorous chick from every hatchable egg placed in your incubator. We guarantee that it will prevent chicks dying in the shell and White Diarrhoea; and we furnish you with sworn proof of these facts printed on this page. If you have any doubt as to the strength of our guarantee, write one for yourself. Make it just as strong as you want to. All we ask is that you will carefully follow our instructions, and in all respects give the Vitalizer fair play. It will do the rest. We will cheerfully sign your guarantee, and return it to you with the Vitalizer. **Oxygen is Life.** Without Oxygen in the air that we breathe, we would die. The New York College of Agriculture tells you that Oxygen is essential to the normal development of your chicks. They also tell you that "the eggs give off quantities of Carbon Dioxide." Carbon Dioxide is simply another name for Carbonic Acid Gas. Carbonic Acid Gas, in the quantities that are found in the egg chamber of your incubators, is poisonous. "Dead in the shell" chicks are the direct result of this poisoning. Oxygen, as a powerful germ destroyer, purifies the air, overcomes the effects of the poison, and the chicks hatch, live and are free from White Diarrhoea. The Vitalizer costs \$3.50, complete, ready for use, delivered to you anywhere in the United States. It can be attached to any incubator in two minutes, and is so simple that anyone can operate it. One Vitalizer, bought by Miss Mary Newcomb, saved her \$126.80 the very first season. Her report is printed on this page for your information. If you have any doubts as to the truthfulness of it, write her, but kindly send stamp for reply. The best feature of the whole thing is that you don't have to take any chances in order to see for yourself the truthfulness of every statement that we make. The first thing to do is to send us your order. Do it to-day. Send along your own guarantee if you want to, but please get ready for that first hatch. We publish a valuable booklet on oxygen that we will gladly send you free, upon application.

**Reliable Poultry Specialty Co.**  
Main Street :: Alexander, New York

## \$50.00 in Gold Will be Given Away

To make sure that the VITALIZER is given FAIR PLAY, and to secure the interest of our patrons in the realms of scientific experimental work, we have set aside the sum named above to be divided at the close of the hatching season, among those making the best reports of their season's work, \$25.00 to the first, \$15.00 to the second and \$10.00 to the third. This contest is open to every user of our Vitalizer. No conditions except that all reports shall be received at the office of the Company properly verified, on or before August 1, 1913. Each report to be placed in a separate envelope, and marked "Vitalizer Contest." Reports will be passed upon by a disinterested committee, and awards made on or before Sept. 1st, 1913.





Our best wishes for a Happy and Prosperous New Year. \* \* \*

Have you tested any eggs yet for fertility? Don't sell eggs for hatching until you know that they will hatch all right at home. \* \* \*

If you have not already mated up the breeders, now is a good time. Be sure to give health, vigor and vitality first call when making your choice of breeding birds. \* \* \*

When you buy eggs for hatching bear in mind that no one can positively guarantee what the eggs will produce. The breeder mates his pens the best he knows how, he should not sell eggs for hatching until he knows that they are running well in fertility. You buy the breeder's chances in those eggs. Presumably he has mated for best results to the best of his knowledge and ability. He sets a price on the eggs at which he is willing to let you hatch his chances in them. Don't ask or expect too much. From a single sitting you may get a bird that is better than any the breeder hatches at home, that is

the time the chance you buy in the eggs wins for you. \* \* \*

Every egg from the same mating won't produce a wonder or a winner. Some of the eggs from a good mating are bound to produce exceptionally fine specimens. No one can tell which eggs until the chicks are hatched and grown. When you buy eggs from an honest breeder your chances are as good for getting big value from the eggs you receive as are his from eggs he sets at home from the same matings. \* \* \*

Every sitting of fifteen eggs will not yield fifteen or even a dozen chicks. Some may give high per cent hatches, but in tests covering hen hatching for a period of three years the average was six chicks per thirteen eggs set. \* \* \*

Be reasonable when you try to hatch eggs from home or abroad. Don't blame the eggs for your own foolhardiness. Often the eggs are not at all at fault. The hen may be a poor sitter. She may not be properly handled and fed. There are a good many things

besides the eggs that enter into the causes of poor hatches. \* \* \*

When saving eggs for hatching, gather them often to avoid undue chilling in the nests. Do not keep eggs for hatching in a warm room. Keep hatching eggs in a room where the temperature does not go above 60 deg. F. and not below 40 deg. F. if you want good results. Don't keep them too long, the fresher they are when set the better. Under ordinarily favorable conditions you can keep eggs three weeks and still get a good hatch. \* \* \*

Someone back in the dark ages decided that eggs while being saved for hatching ought to be turned daily. Since that time the advice has been copied many times, both plain and with trimmings. As a matter of fact eggs that are being saved for hatching are better let alone. Don't turn them at all. The more an egg is handled the less it is likely to yield good results. Simply place your hatching eggs in a box or basket in a cool, clean-aided room and let them alone until ready to set them. After incubation is well started, say, 36 to 48 hours after placing them in the incubator, the eggs will need turning twice a day. Rolling them around is perhaps a better term than turning, for that is what should be done. After the first week or ten days the rolling around may be done oftener than twice in twenty-four hours with good results. If the eggs are under a hen you won't have to worry about it, for she will do all the egg rolling necessary. \* \* \*

During the extreme cold weather good sound Indian corn will prove the best relished staple grain. Get good corn and feed all they want of it. It is a

## BABY CHICKS—U. R. Fishel's White Plymouth Rocks the Best in the World

HARVEY'S *NucRinkite*  
FIRELESS BROODER



## FIRELESS BROODING OF CHICKS

We want every one who reads this ad to write for our new book, "The Fireless Brooding of Chicks," which will show you how to RAISE 90 PER CENT OF THE CHICKS without the danger of fire, of overheating, sweating or smothering. It gives our years of experiments, with all kinds of brooders, showing how we have made and maintained the above record. Worth many dollars to you. No smoke, do smell, no fire, no bother, no expense. Guaranteed to raise the chicks. Sent free. Write for your copy today.

Harvey Bros., 259 Cooper Ave., Johnstown, Pa.



## ONLYA FARM WHITE WYANDOTTES

NORTH, SOUTH, EAST AND WEST WE WIN

Following our great victories at Allentown and Hagerstown, we followed it up at Augusta, Ga., by one of the grandest wins that has been made in competition with the greatest breeders in the land.

ONLYA FARM WHITE WYANDOTTES proved their superiority by winning 2-3 cock, 2-3 hen, 2-5 cockerel, 1-3-5 pullet, 1-4 pen and best display.

Considering the fact that our great wins at Allentown and Hagerstown during the season 1912 in connection with our great wins at the big winter shows last season, makes ONLYA FARM A LEADER AMONG WHITE WYANDOTTE BREEDERS.

### OUR SEAMLESS LEG BANDS

Tell the story. When a bird reaches about a pound in weight a seamless leg band is put on; it cannot be removed; there it remains as the seal of Onlya Farm quality, and every young bird on our farm contains the band.

### WE CAN MEET ANY COMPETITION

Our 1912 matings containing America's noted winners produced the best birds we ever raised, and they are well developed. The price is reasonable and positively every bird sold has been reared on the Onlya Farm, where nothing but White Wyandottes are bred.

### WRITE US WHAT YOU NEED

Onlya Farm, Philip Kearney, Owner, Chas. C. Staaff, Mgr., Florham Park, N.J.



good food for flesh, eggs and sound bodies. Corn-fed poultry is usually mighty good poultry.

\* \* \*

Don't believe all the nonsense you hear about cold water drinking, snow eating and getting the feet wet causing a check in egg production. For centuries a lot of folks have been so afraid of getting feet wet that they have been afraid to keep their own sufficiently well washed. Wet feet won't stop a hen from laying if she has a comfortable home and is well cared for. Ours run in winter when they want to unless there is a long spell of wet and sloop and then we keep them shut in, not to prevent foot wetting, but to keep dirty, wet feet from soiling the eggs. We have never known cold water drinking or snow eating to check egg production. Fowls in open-front houses don't let weather conditions bother them much. Most of their troubles never happen. Usually ours put in a record-busting egg yield when we get sudden changes to colder weather. That is the opposite to what we often read about the effect of sudden cold snaps, but nevertheless it is fact.

\* \* \*

Don't forget that it is important to breed only healthy fowls, that they should have an abundance and variety of wholesome food, that they should be housed in well-planned open-front houses, that they require comparatively little care if that care is only of the commonsense kind. If you remember these things you can forget most of the "poultry troubles," for you won't have 'em.

\* \* \*

Hatches for early chicks should be started soon. February and early March chicks are usually money makers. The cockerels are good, plump roasters by the time chickens are selling at 24 to 28 cents a pound. The pullets, if properly cared for, will make fine fall and winter layers when eggs are at top prices.

\* \* \*

Get in close touch with your breeding birds and learn what they are doing for you. Save labor everywhere you can, but don't let labor saving lead you into the habit of spending as little time as possible with the fowls. A little time given to getting acquainted with the breeding fowl is often time well spent. Cull out any birds that don't keep right up to the standard of health and vigor. Inattentive males, or males that have been badly whipped, are usually better off in the pot than in the breeding pen. If you get the habit of observing your fowls you can

usually tell the drones from the producers without the aid of a trap nest. Market habitual non-producers while the price is good.

\* \* \*

There is a whole lot in the Potter system of selecting laying and non-laying hens if you know how to observe what you see and feel. Some folks see without really seeing, that sort won't find any system much help. The relation of the pelvic bones is not the whole thing, the head points are not the whole

thing, the body points are not the whole thing, the habits don't count much alone; but if you will read the book, get the gist of the various points, group them so that you can combine two or more in one fowl, if you have even average powers of observation you ought to be able to pick nine layers out of ten. "Don't kill the laying hen" is a good rule, but it is better to kill one laying hen than to keep a dozen non-producers. If you haven't read the book, read it.

## More Eggs - Bigger Profits

**Y**OU can have both by feeding Darling's Meat Scraps to your hens. Every ounce of Darling's Meat Scraps is absolutely fresh. Trimmings from roasts and steaks sold over the butchers' counter are picked up by our wagons the same day and cooked that night. In short, Darling's Meat Scraps are made from the fresh trimmings from the edible portion of the carcass. This gives uniform quality and sweetness. Besides—

### Darling's High Protein Meat Scraps

**Contain 55% Protein**

They are low in fat, and fine ground as recommended by both the Experiment Stations and practical poultry raisers.

Darling's Meat Scraps cost no more than goods of lower protein content. Insist upon Darling's 55% Protein Meat Scraps at your dealers.

**Every Poultry Man should send for a free copy of our book on poultry feeding.**

This book is replete with timely, helpful and specific suggestions and hints on the care and feeding of poultry that you should know and profit by. It tells how to increase egg production and egg profits. Whether you own 25, 50 or 500 fowls, you will be tremendously benefited by reading and studying this book. Write for your free copy today. Simply address:

**Darling & Company** Chicago  
4201 Ashland Avenue  
**The Van Iderstine Company**  
16 Railroad Ave. Long Island City, N.Y.



**THE MOST POPULAR FOWL today is U. R. Fishel's White Ply. Rocks**

## ETZENSPERGER'S REDS OF QUALITY

**WON AT CHICAGO, DECEMBER 12 TO 18, 1912**

2d S. C. pen, fourteen pens competing; 2d cock, thirty-two birds competing; 4th pullet, thirty-eight birds competing; 5th R. C. pen, thirteen competing; 3d pullet, forty-one competing. **The hottest class of Reds ever got together.** All my old birds that produced these prize winners together with winners this year will be used in my breeding pens this year. My 1910 first Chicago cock bird is the same bird winning 2d this year, he producing some of my best winners, showing what blood lines will do. Also having ideal shape and color. Have a few cockerels, cocks and pullets for sale at the right price. Please mention American Poultry Journal when writing.

**W. Etzensperger**

**: Box E**

**: Willoughby, Ohio**



# QUESTIONS AND ANSWERS

Questions will be answered in this department only when full name and address is signed by the writer.

Conducted by

Prince T. Woods, M. D.

## Not Worth Doctoring.

Q. I have a yearling White Wyandotte cock, purchased this year. He has been out of condition and under my observation for about a month, with no material change. He has a slight yellow discharge from the ears. Eyes are bright, one a little watery. He is very thin. He has a great appetite, and at first was very hungry for grit. Though fed well, he does not gain. He is stiff in legs. Toe nails are grown out much too long. Plumage dull and rough. Feathers are rather yellow, though quills are white. Just above each knee joint are sores which discharge a little. He crows loudly and often, shows no sign of throat or lung trouble. Comb and wattles bright and red. No bowel trouble. Is alert and active, but seems rather weak. He is tame and gentle and does not drive the cockerels with which he is yarded as I would like to see him do. Think he spent the summer in a philo coop and then was put into a basement. He is a late hatched chick and has not completed molt yet. If he was not sick he would be an unusually good bird I think. Is it tuberculosis? I have used oculus twice, but see no change in him. How long does a bird usually live with tuberculosis? F. D. Skowhegan, Me.

A. To diagnose this case would require examination of the specimen and laboratory work. If you are sufficiently interested you might arrange for this at your state experiment station, Orono, Me. We cannot say whether trouble is tubercular or not. There are abundant symptoms in this case which indicate chronic constitutional disease. He is not worth doctoring. If the bird were ours we should kill it and burn the carcass. A bird with chronic tuberculosis might live a long time or until it died of some other ailment. The ulcers in front of hock joint are not necessarily tubercular. Trouble of this sort is not uncommon in cocks that have been too closely confined. It usually yields to cleansing and greasing with unguentine if bird is otherwise healthy. The discharge from ear might be due to a variety of causes and of itself might not be serious, syringing with a warm, weak creolin solution is usually beneficial. This case, however, shows con-

stitutional symptoms that indicate serious trouble and malnutrition, viz.: very thin and does not gain after long-continued heavy feeding, though appetite is good, dull and rough plumage, overgrown toe nails, too abnormally tame and gentle for a cock bird. Take these symptoms, combined with your running sores, and you have a condition that indicates that the bird is worthless for any practical purpose.

## Peculiar Symptoms.

Q. I have a cock bird with a very peculiar ailment and have looked all through back numbers of A. P. J., but do not find anything which helps toward the diagnosis of this trouble. The first I noticed was about a week ago. The bird would stand and hold his head sideways, as if to look up out of one eye, then he gradually grew worse and would hold his head way back under his breast. I took him to a veterinary, who kept him for a few days, but was unable to tell what the trouble was. The bird sometimes does all kinds of acrobatic stunts and will turn completely over when having one of these spells. I would not call them fits; in fact, the bird does not seem to suffer any and his comb and wattles do not change color. When I brought the bird home last night he was about the same, and there seemed no change of symptoms. He crowed this morning and would call the chickens when he heard them in an adjoining pen, but the same condition prevailed as before. He seems worse when excited and when you pick him up his head will go under his breast, although at times he seems normal. There are some symptoms similar to limberneck, but that is not what ails him. Previous to this trouble he was running with hens and pullets and had the same kind of food as the rest and none of the others were afflicted. Some time ago we noticed that he would raise his head, when in the yard, and shake it as if to shake off water, and would walk backward a few steps. This I have been told might indicate a surplus of blood or liver trouble. The bird is a Rose Comb Rhode Island Red and was a last year's cockerel. I purchased the pen late in May, 1912, and used them to breed from. All the chicks have been strong and healthy,

although the fertility was not high, but was as good or better than my other birds, so, that as a breeder he has been a good one. Can you give me any information? The case is unlike anything I have ever seen and the veterinary, who has handled chickens more or less all his life, is puzzled. S. J. H. Utica, N. Y.

A. We could not diagnose this case without personal examination of the bird and perhaps not then. The cause of the irritation of the large nerve centers is the difficult thing to get at. We should try giving the bird a 1/4-teaspoonful dose of epsom salts well diluted with water and possibly repeat it the following day. Would feed lightly and give only easily digested soft food for several days. If this does not help, would suggest the treatment we once used on a Red Cap that was similarly affected. This bird was taken with similar symptoms about Christmas time just after returning from a show. He was an imported bird and the breeder was particularly anxious to breed him if possible to do so. We tried various remedies without any apparent benefit. Then we asked permission to dub the bird after the fashion of Game fowls. He had a very large rose comb. The breeder told us to go ahead and we cut off both comb and wattles with sharp shears. Did not do anything to stop the flow of blood, which was considerable. Kept the bird by himself for two weeks, gradually giving more exercise room and feeding lightly. He was rather weak for a time, but the wounds healed nicely, the bird apparently recovered and was bred that spring with fair results. After that we lost sight of him. It might help in case of your bird and it might not.

## Maggots in and About Vent.

Q. Had a White Wyandotte cock, robust, vigorous, active fellow. Never knew him to be sick or have any ailment of any kind. One morning recently noticed that his fluff was slightly soiled, paid no further attention to it, as he seemed bright enough. Next morning noticed that the trouble was worse, not only fluff but legs also were soiled and bird was walking as if it was painful for him to move. Could not attend to him at once, but a little later I prepared a warm bath, intending to clean him and put him in warm quarters to dry, believing that he had some bowel trouble. The fluff being badly matted by this time, I immersed his stern to soak the feathers, moving him from side to side. Looking down I saw what, at first glance, appeared to be a worm, about 1/2-inch long, float-

## DIRK'S RED MITE KILLER



One application kills all mites and prevents their reappearance during the season. Keeps fowls free from body lice. Makes scaly legs bright and clean. Keeps lard, pastry, and sweets free from ants. Bed bugs give no trouble where used. Write to day for special trial price.

M. E. Dirk, Box 102, North Baltimore, Ohio. Marshall & Marshall, Niagara Falls, Ont., Distributors for Can.

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Is a "wonder working" poultry remedy. It cures Cholera, Roup, White Diarrhoea and Canker in its worst form; increases egg yield 20 per cent; grows the finest chickens you ever saw; lessens your poultry troubles 50 per cent. So confident are we of the merits of OCULUM that we believe any honest poultry raiser will pay us when he "knows it does the work." At your dealers, or if you prefer, cut out this ad today and mail to us and we will trust you to do right by us.

Hancock Inoculum Company, Box B, Salem, Virginia. Write your name plain. Please send me a \$1.00, 50c bottle of OCULUM. I will test it fifteen days; if satisfied, will pay you; if not, will return what I have not used.

Name..... Address.....

**Question:**  
**Answer:**

## HOW TO GET TOP PRICES FOR EGGS

Don't sell your eggs as fast as they are laid. A new way has been discovered to keep eggs positively fresh for years. Preserve your eggs—then hold them till market supply is low and prices are high. Use Sibil Egg Preservative Compound. Write at once for handsomely illustrated circular explaining how to keep eggs fresh and sweet for any length of time, sent FREE. Every poultry owner should have a copy 75c a pint, \$1.50 a quart or \$5 a gallon. Just address SIBIL EGG COMPOUND CO., 167 W. WASHINGTON ST., CHICAGO, ILL.



ing on the water. Turning the bird over I saw something I never again wish to see, where the vent should have been was a hole at least two inches in diameter and big white maggots, busy as bees in a hive, away up into the intestines. The only remedy I could think of was the hatchet and I deemed that the most merciful cure, though I did hate to lose the bird. What caused the maggots? Doesn't it seem odd that he did not show signs of his trouble sooner? If I had noticed him droopy I should have put him in the "hospital" and found the trouble makers before it had gone so far. Will be grateful for any information.

Lowell, O.

O. W. B.

A. There are a number of varieties of flies that at times deposit their eggs in wounds of animals and fowl. There are other flies which give birth to live maggots and deposit these directly in any favorable spot where the maggots can feed. Undoubtedly one of these pests attacked your cock bird when a favorable opportunity offered. You did the only thing that could be done under the circumstances.

#### White Diarrhoea or Faulty Brooding—Which?

Q. Please give your opinion concerning trouble I had with a flock of S. C. White Leghorn chicks last spring. The symptoms agreed very closely with those given recently of bacillary white diarrhoea, and while the eggs were not from infected stock, there were incubated, in the same trays with the others, eggs which may have been infected. The two lots remained together until taken from the incubator and were easily distinguished by difference in color. There were some serious faults in the brooding. The 200 chicks were in one flock in a large brooder, without any regulating arrangements, and on several cold nights the temperature went much too low. The mortality corresponded fairly well with the daily errors in temperature. The temperatures given below are as found on the several mornings and the number of deaths includes all found in the morning as well as those which occurred through the day:

5th day, 92 degrees..... 1 dead  
6th day, 78 degrees.....21 dead  
7th day, 70 degrees.....41 dead  
8th day, 88 degrees.....19 dead  
9th day, 85 degrees.....18 dead

10th-day, 85 degrees..... 9 dead  
11th day, 78 degrees.....13 dead  
12th day, no record..... 9 dead

After the 12th day the daily losses were small and it happened also that the brooder worked better. In every other respect, except temperature and size of flock, the chicks were cared for the same as the other flock, which did well. Was the faulty brooding of itself sufficient to cause the losses? Could chicks become infected from each other in the incubator? Would it be safe to use any of the surviving males as breeders? Are 200 chicks too large a flock, however large and well-regulated a brooder may be?

Utica, Mich.

H. G. L.

A. We doubt very much if bacillary white diarrhoea had anything to do with this case. It is possible for chicks to become infected in the incubator from diseased chicks, and it is probable that if this had been white diarrhoea both flocks would have been affected. The faulty brooding and large number of chicks in the flock is sufficient to account for all losses in this case. We don't know what type of brooder was used, but, as a rule, no individual brooding device, that is rated at 200 chicks capacity, is capable of caring for flocks of more than 50 to 60 chicks at one time. The exceptions to the rule are specially constructed gasoline brood coops, some compartments in brooder houses and some types of special large flock brooder stoves. If the males, which survived, are well grown, full-sized, rugged, healthy specimens, we should not be afraid to breed them. They probably had a tough streak in them or they would not have come through the experience safely. Don't breed any runts.

#### Colds.

Q. We have a number of young birds afflicted with a cold in the head. A mattery substance is discharged from the nostrils. What will cure this disease?

F. L.

Fort Wayne, Ind.

A. House the birds in open-front quarters, not too many in a flock. Dip heads of affected birds with mouths held open in a fleshly made cresol disinfectant dip. Use one teaspoonful of any good cresol disinfectant (cresol soap, liquor cresolis comp.) in a quart of water. Mix fresh each time used. Do not dip more than a dozen birds

## JOE-PYE Orpingtons



Nell Gwyn, Second Boston Hen, 1912  
First, Grand Central Palace

Great Win  
Grand Central Palace, N. Y.  
Dec. 3-7, 1912

THERE were 73 Buffs in single classes, and 10 pens shown by the biggest and best known breeders in the east.

Out of 14 birds we entered, 10 were placed

Cock, 1st, 2d and 4th; hen, 1st and shape special; cockerel, 3d; pen, 1st; which also took sweepstakes medal for best pen, all varieties competing; sweepstakes cock, all varieties; gold medal for best Buff Orpington; special for best display with 456 points, as against 272 points winning record; special for best male in English class.

We are receiving daily letters telling of customers' wins, both here and in Canada.

JOE-PYE ORPINGTON FARM  
HARRY STACEY BENTON, Owner  
R. F. D. 5, SO. NORWALK, CONN.



## R.C.R.I. Reds

From our Bean line. We are offering some choice exhibition pullets, extremely dark and brilliant in color having rich red under color, also strong in black points. We are also strong on exhibition cocks and cockerels. We can sell you a fine one at a very reasonable price. Remember we always sell on approval, so let us have your order. Mention American Poultry Journal when writing.

Simmons &amp; Crittenden

-::

Geneva, Ohio

## White Indian Runner Ducks

That breed true to type, color and station. In taking up a new breed one naturally wants to buy their stock and eggs from "headquarters" and from stock that you know is mated and bred right. Our White Runners have won at New York, Hagerstown, Indianapolis and Great Appalachian Exposition. We have sold the winners for nearly every show of note the past season. Our yards this season contain the best White Indian Runners in the world. Eggs, \$8 per 12, \$15 per 24.

Mrs. U. R. Fishel, Box R, Hope, Indiana



without renewing solution. Repeat in a few days if necessary. Feed liberally. Use some good condiment in a moist mash three or four times a week to spruce them up a bit.

#### Tar Paper Inside of House.

Q. Would it be all right to line inside of poultry house with tar paper; that is, tack it on studs and then nail weather boards over that? F. B. Anderson, Ind.

A. Tar paper is rather messy for such purpose, there are smooth, hard finish fabrics that are better. But, why

line the house unless the weather boards are very thin? It isn't necessary. If you feel that you must try to make the house warmer, why not use a good waterproof fabric for covering the outside of the house? It is a better plan.

#### Use of Dust Box—Beef Scraps.

Q. (1) How can I teach my pullets to use a dust box? They have a large box half full of clean sifted field dust, located in the sunniest place in the house. They don't use the box and try to dust in the damp earth under the droppings boards and in the corners.

A. (1) You can't make fowls use a bone-dry dust bath if there is another handy place where they can get a moist earth wallow. The term "dust" as applied to an earth bath for poultry is misleading. They don't want an absolutely dry dust bath, not if they can get anything else that will answer their purpose. Note that when you let them have their way about it they will take to moist earth in corners, at roots of bushes, or trees, or old stumps, or any place where they can kick up loose, fine, moist earth. Fill your dust box with fine moist earth, not too moist, and keep

# FRENCH'S POULTRY MUSTARD

Patent Applied For

ABSOLUTELY PURE

**WE** SINCERELY regret being obliged to call your attention to the fact that certain unscrupulous supply houses, taking advantage of the demand that has been created for FRENCH'S POULTRY MUSTARD, have been substituting cheap and inferior Mustard products where the poultry fancier has only asked for "Poultry Mustard" or "Mustard for Chickens."

We have seen samples of some of these articles and they possess practically no value at all. FRENCH'S POULTRY MUSTARD is a scientifically manufactured article, containing the flours of different Mustard seeds, so blended as to produce the greatest strength in the volatile principle that is desired, and that is required to produce the fortunate results arrived at by Mr. Allen.

In asking for Mustard for this purpose, ask for FRENCH'S POULTRY MUSTARD. See that you GET French's Poultry Mustard. The name "FRENCH'S" will protect you and in the future French's Poultry Mustard will only be sold in original packages, under unbroken seal. Shipments in barrels and in 100-lb. packages will be shipped direct from the factory. All other packages will have our name and the seal unbroken. Do not accept Bulk Mustard, and see that our label is unbroken.

Experiments were successfully made in England in 1909, 1910 and 1911 to stimulate egg production, increase vigor and fertility of fowls by the use of mustard. Send us your name and address and we will send you free of charge a copy of a pamphlet as edited by Mr. Ralph Allen, of Herts, England, the conductor of the experiments. The book contains a full account of the experiments extending over the years named, together with a number of testimonials of prominent American users of French's Poultry Mustard. The first issue of 20,000 copies was entirely exhausted within eight weeks of our first advertisement. The second issue is on the press, and contains added testimonials, and will be sent free on application.

French's Poultry Mustard is used and recommended by Edward Corning of the "Corning Egg Farm," Bound Brook, N. J., by "Corning himself," E. B. Thompson "Ringlets," Amenia, N. Y., The Urban Farms, Buffalo, N. Y., Grove Hill Poultry Yards, Waltham, Mass., Haldie Nicholson, Leominster, Mass., and by a great majority of the prominent breeders, and is sure to be used by all. The great egg farms use it regularly, pronouncing it invaluable.

The London Feathered World says: "Poultry Mustard not only increases the egg yield but improves fertility."

One of our best known breeders and a judge writes: "I have used Poultry Mustard regularly during the Winter months, with the result of not only increased yield of eggs, but the stock has been remarkably free from colds and the eggs from my exhibition lots are proving very fertile."

## POULTRY MUSTARD DEALERS

ALABAMA:	Birmingham,	McVay Seed Company	MASSACHUSETTS:	Salem,	Ropes Bros. Co., Central St.
BRITISH COLUMBIA:	New Westminster,	Brackman-Ker Milling Co.	MICHIGAN:	Detroit,	Tomlinson & Lanphere Co.,
CALIFORNIA:	Petaluma,	Coulson, Poultry & Stock		Jefferson Ave.	Jones Seed Co.
CONNECTICUT:	Los Angeles,	Food Co.	MINNESOTA:	Grand Rapids,	Northrup King Co.
FLORIDA:	Southport,	German Seed & Plant Co.	NEW JERSEY:	Minneapolis,	Sidney R. Clarke,
	Jacksonville,	Pequot Poultry Farm Co.		Scotch Plains,	Harmony Park, Route 1,
GEORGIA:	Atlanta,	The Lackawanna Co.,	NEW YORK:	New York City,	Stump & Walter,
	Atlanta,	328 Forsyth St.	NORTH CAROLINA:	Durham,	50 Barclay St.
	Atlanta,	Walton Seed Company		Raleigh,	Peabody Drug Co.
	Brunswick,	Atlanta Seed & Produce Co.	NOVA SCOTIA:	Yarmouth,	Job P. Wyatt & Sons & Co.
ILLINOIS:	Savannah,	W. G. Hastings & Co.	OHIO:	Cincinnati,	S. P. Goudey
	Chicago,	McMillan Seed Co.			J. M. McCullough's
	Chicago,	J. M. Burnett	PENNSYLVANIA:	Tunkhannock,	Sons Co.
	Chicago,	W. D. Sinkins & Co.		Philadelphia,	Jennings & Stark
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	Indianapolis	West Madison St.		Pittsburgh,	1229 Market St.
KANSAS:	Wichita,	The Vaughan Seed Store,		Pittsburgh,	C. J. Cleland,
LOUISIANA:	New Orleans,	31 West Randolph St.		Pittsburgh,	6465 Frankstown Ave.
MARYLAND:	Baltimore,	Eber Seed Co.		Pittsburgh,	I. W. Scott Co.,
	Baltimore,	Petaluma Incubator Co.,		Pittsburgh,	514 Liberty Ave.
		147 North Delaware St.		Pittsburgh,	J. Walker & Son,
		Ross Bros. Seed House		Pittsburgh,	1625 Beaver Ave.
		Bruce Poultry & Seed Co.,	VIRGINIA:	Norfolk,	Fanney & Miller,
		330 Barondelet St.		Richmond,	48 Washington St.
		Griffith & Turner Co.			T. W. Wood & Sons,
		Meyer-Stisser Co.,	WASHINGTON:	Seattle,	12 South 14th St.
		32 Light St.			Seattle Seed Co.

We are adding more dealers daily. If your dealer is not mentioned or does not handle it, send us his name.

French's Poultry Mustard is an actual improvement upon the mustard used in England during these experiments. One teaspoonful of French's Poultry Mustard for every six fowls is the right amount. Mix it with the dry meal first and then add water until in a crumbly consistency. For Dry Mash use 1 pound French's Poultry Mustard to 200 to 500 pounds of feed according to conditions and requirements of your stock. Mix with a small amount first then with the entire lot. French's Poultry Mustard can be obtained of any dealer for 20c per pound in 6 and 10-pound boxes, 25-pound kegs, or a sample package of 1½-pound can be had for 35c. If your dealer does not have it, write the R. T. French Company, mustard makers, Rochester, N. Y.

"MUSTARD'S EFFICACY FOR INCREASED EGG PRODUCTION, FERTILITY AND STAMINA IS INDISPUTABLE"

THE R. T. FRENCH CO., DEPT. A, ROCHESTER, N. Y.



it filled with that kind. Place it in one of the corners they now make use of and you will shortly find them busy in it.

Q. (2) Will pullets or hens eat too much beef scraps if it is given them clear in hoppers?

T. H. J.

Medina, N. Y.

A. (2) If they have not been in the habit of having it that way some birds will make hogs of themselves at first and eat too much and get a touch of diarrhoea. After that they will show more sense and will not overdo eating the scrap from hoppers. We never bother about it, just let them make themselves uncomfortable at first if they want to, as they come around all right. It is safe enough if you use good scrap and the birds have not previously been starved for animal food. You don't want to use poor scrap, anyway. If you are afraid of their getting too much, put just a little in the hoppers at first and gradually increase the quantity until they have it before them all the time. The majority of scrap troubles are due to poor scrap that is not fit to feed.

Q. I have several yearlings that have developed roup or something. Each have one eye shut and swollen and the whole side of the head is as red as the comb. They are White Leghorns. Cannot detect any foul smell and until a day or two ago they had good appetites. Am giving them permanganate of potash in their drinking water and have given quinine pills (2 grains each) to each bird daily. I am afraid that I am not giving them the right attention. Had about a dozen others with eyes swollen shut on one side but not inflamed, and with the foregoing treatment they practically recovered. Separated them from the rest of course. Three weeks ago I had several hundred hens shipped here and some had colds, and this seems to be the outcome of it. A few others still in the flock sneeze some, but otherwise seem all right. What can I do to cure the sneezing? About a hundred or so seemed very lazy for nearly two weeks after the moving, but seem livelier now and do not sit around so much on the roosts as at first. I suppose the ones with the weaker vitality were more disturbed by the moving. One hen was crippled in the trip and does not seem to improve any. Do you think it worth while to keep her with hope of recovery? One was crippled even worse and I killed her. Have a new open-front house, south exposure, free from drafts. A few birds got wet in a shower and might have got additional cold then. Will appreciate it if you will set me right in my difficulties. Never had any trouble with my own raising and this is my first experience with birds raised by others and don't know what sort of handling they have been accustomed to.

M. R. W.

New York City.

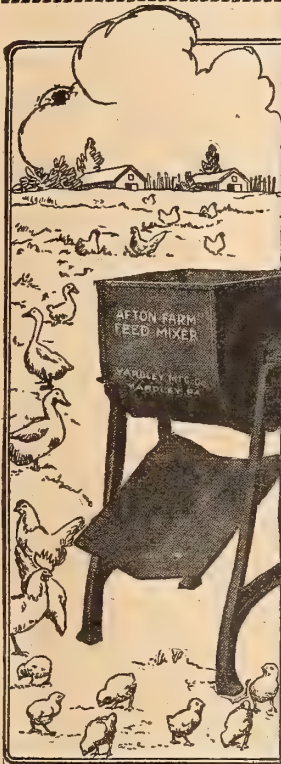
A. The less time you spend dosing and doping fowls, the better. If an emergency arises and you have to doctor the birds, take a short cut if possible. Feeding them pills and dosing the drinking water costs money and consumes time. With large flocks it is too slow a method and generally not sufficiently prompt in good results. Any flock is liable to colds under some circumstances and the introduction of a large flock of birds, shipped from some distance, is often accompanied by some sickness. The best thing is to keep the new fowls away from those on the

home place for two weeks or more. House them in open-front houses, feed greens freely and allow an abundance of wholesome food.

Cripples that are injured in transit are usually better off if put out of their misery and it saves time and money.

If there are any colds one or two

dippings of the right kind will usually set things right. It is seldom that more than three dip treatments for colds, given two or three days apart, are required. If 200 fowls arrive in same shipment and some have colds, give each and every one a head dip as a safeguard against further trouble and



## How a Feed Mixer Will Pay for Itself

**A Feed Mixer is a REAL Economy on Any Poultry Plant, No Matter How Small. It Saves Time, Labor and Feed.**

Suppose you feed only ten quarts of mash a day. Do you know that's nearly 2 tons a year? Yes sir, 2 tons! Now you wouldn't mix 2 tons of feed by hand, if you had to do it in a day. Why, then, should you if you do it in 365 days? Your time is worth as much one day at another.

Let's say you spend an hour a day mixing feed. A mixer will do it better in half an hour. In a year, it will save you at least 200 hours. That's 20 working days. About \$40 worth of time, isn't it?

NOW YOU SEE HOW A FEED MIXER IS A REAL ECONOMY

### "AFTON FARM" FEED MIXERS

FOR MIXING DRY FEED, WET MASH, SEEDS, FERTILIZER

There are other advantages to a feed mixer. Your feeds are fresher and more palatable. They are smoothly and perfectly blended. They are more easily digested. This means that you need less feed, and that your stock is healthier. You can make up balanced rations and special feeds quickly and cheaply. You can mix seeds for sowing. You can make up your own fertilizers. The "Afton Farm" Mixer is used on hundreds of farms. It is always satisfactory. Simple, safe, thorough. Made in 15, 75 and 150-qt. sizes. Hand or power drive. Larger sizes made to order. Write for our free book, "The Secret of Master Feeders."

Yardley Mfg. Co., Box D51, Yardley, Pennsylvania

## CHAMPION BUFF WYANDOTTES

Again prove their superiority above all others at *the great Chicago Show, December, 1912.* In one of the *largest and best classes* of Buff Dottes ever cooped, we won:

**1st, 2d Old Pens  
1st Young Pen  
2d, 4th Cocks  
1st, 3d, 5th Hens  
1st, 2d Pullets**

Shape and color specials. Also *championship silver cup* for *best display.* Our handsome illustrated *mating list* mailed free. Please mention A. P. J. when writing.

**Besuden Bros., Box 359B, Cincinnati, Ohio**



keep those with colds housed apart from the others.

For any such wholesale dipping we should mix, in an 8-quart galvanized iron pail, one gallon of luke warm water and one tablespoonful of a good cresol disinfectant (liquid cresol soap, there are many good preparations of this sort put up under various trade names and selling for from 75 cents to \$1.50 per gallon). This mixture should be made fresh as wanted and should be renewed often if many fowls are to have the head dip. It is effective in all head colds and roup. In giving the treatment, seize the bird in left hand by legs and wing tips, with the right hand grasp the head and hold the mouth open with one finger. Plunge the bird's head into the dip solution and slosh it around. If you exercise reasonable care there is no danger of drowning the bird though it will make the fowl feel rather sick for a few minutes. If there are any crusts on nostrils, squeeze them off with your thumb or finger and give the head another dip. Then let the bird go free and treat another victim. After a few trials anyone can dip fowls for colds as fast as an attendant can hand them to him and it only takes a short time to go through a big flock. This is the quickest, easiest, best and most effective treatment for roup that we know of as well as the least expensive. If the birds have not been neglected too long, and if they are housed in open-front quarters without crowding, they usually recover. Generally one treatment is all that is needed for ordinary cases if taken early.

Don't worry about a fowl every time she sneezes. A bird has to sneeze once in a while in order to keep its nostrils clear and stay alive. If the sneezing is accompanied by bubbles in corners of eyes and a watery nose, then it is time to start the dip treatment. A good many poultry keepers who only have a few fowls spend so much time looking for trouble and sickness among their flocks that it is surprising that they don't find more of it; for those who look for trouble usually find it. If fowls happened to be susceptible to mental suggestion we'd expect to find some flocks sick all the time. At the same time it is well to be sufficiently well acquainted with your flocks to know whether all is well with them or not.

If the birds are not active and fail to take sufficient interest in their food, put a little good condiment into their mash for a short time to brace them up.

#### Loss of Appetite.

Q. What is wrong with my chickens' appetites. I never heard of chickens slowing up on food the way mine are doing. I have about 100 S. C. Buff Leghorns raised in muslin-front coops (from baby chicks to adults). They ate plenty while they were maturing but as soon as they matured and were about ready to lay they lost their appetites.

I have them in a 40 x 12 ft. open-front house. I feed good mixed grain in 6 inches of straw litter and add wheat and oats as their appetites vary. Also feed whole corn on the cob. The mash is made of bran, middlings,

ground oats, corn meal, and blood meal. They eat and scratch for just enough to keep them alive but take no surplus to make eggs.

H. W. L.

Appleton, Wis.

A. We don't believe that there is anything seriously wrong. The birds when full grown will not eat as greedily as while growing unless they happen to be producing eggs, when the appetite is in proportion to the work they do. If your birds scratch and eat and look bright and healthy, and feel plump and of good weight when you handle them, they are probably coming on all right and may be laying well when you read this. If for any reason there really is material loss of appetite you can spruce them up a bit with some good condiment. It is probable that the addition of one pound of poultry mustard to 500 pounds of mash, thor-

#### "DON'T BE A CLAM."

Subburbs: I believe Darlington is unhealthy. Since we have lived there my wife can scarcely speak above a whisper.

Henpeck: Do you suppose I could get a house in Darlington?

Come and see—our S. C. Wh. Leghorns.

Darlington Egg Farm. Alfred P. Edge, Box B, Darlington, Md.

## EGG PRODUCERS—If you want eggs buy Fishel's White Ply. Rocks

# DON'T BUILD



Potter Portable Poultry House

**Complete, Convenient, Sanitary.** Potter Portable Houses and Fixtures have these good points as thousands of users testify. Potter goods are A1 in quality and low in price. They are made for a purpose and save you time and labor in your poultry work.

**Satisfaction Guaranteed**—when you buy our goods. They are made right and do please our customers. No lice and mites when you use our vermin-proof roosts and nests. For your own pleasure and profit and for the sake of your hens, you cannot afford to be without Potter fixtures.

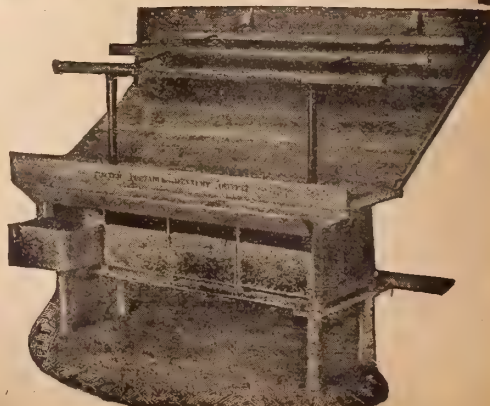
**Our Two Catalogues**—(136 pages, 150 illustrations) on portable houses and coops fixtures, feed hoppers, trap nests, feeds and supplies of all kinds at lowest prices, will interest you. Mailed for two red stamps to cover postage. Write today and be convinced that Potter Poultry Products are for particular poultry people.

No. 41, Style C, 5 ft. 3-perch complete hennerly outfit for 30 birds. Price . . . . \$6.50  
This same style made in 12 different sizes.

POTTER & COMPANY, Box E21 Downers Grove, Ill.

You can buy better, cheaper, more complete ready (factory) made hen-houses, roosting and nesting fixtures, coops, etc., from Potter & Co., because they have been making these goods for ten years and know how.

The cut at left shows an 8x10 ft. Potter Portable poultry house with 5x8 ft. open front scratch shed at each end. A fine house for 50 or 60 birds. It costs you complete with equipment . . . \$76



Potter Portable Hennerly Outfit



oughly mixed in, will be followed by good results.

#### Brooder House.

Q. Would it be possible to make a brooder house with a building which is 22 ft. long and 14 ft. wide?

A. Yes; if you have such a building you can adapt it to whatever brooding system you prefer.

Q. How many chicks will such a house accommodate and what would be the cheapest way to heat it?

A. You ought to be able to arrange it to comfortably accommodate 500 chicks. Economy in heating will depend on the construction of building. A coal-fed hot-water heater would save labor but with so small a flock would cost more to operate than gasoline or kerosene heated brooders.

Q. Would it be possible to heat it without any system of piping? Is there any kind of stove which would do it?

G. F.

Barrington, R. I.

A. With so small a building you would probably find lamp heated individual brooders, or portable hovers, the most convenient, easiest to operate and cheapest to install. There are several good brooding devices of this sort advertised in this Journal. There is also a special brooder stove used for large flocks, but we have not personally used one of these, though have had favorable reports from them. With any of these you will not need a pipe system. If your house is high enough you can install a double deck-pipe hot-water system that will double your capacity.

#### Cement Poultry House.

Q. Would a cement poultry house be warm enough for the fowls if the back and two ends are cement and the south front of boards?

W. N.

Edwards, Ill.

A. Whether a cement house will prove practical or not depends a good deal on your location and how readily an cheaply you can secure supplies. We have seen some cement poultry houses, notably two open-front ones, that were comparatively cheap to build and were apparently very comfortable quarters. As a rule, unless you have plenty of sharp gravel near at hand and unless you are building a sufficient number of houses to warrant the expense for lumber to make the ease for the cement, it costs more to build with cement than we should care to put into such buildings. We would not build a poultry house with a tight front. An open-front house is more comfortable than a closed one, no matter what the building material. Unless your location is too damp a well constructed cement house would be warm enough for the fowls.

#### Mustard.

Editor A. P. J.:—In November issue I note an inquiry from C. S. C., Philippine Islands, asking how mustard should be used and the results of feeding it. I have given this condiment a fair and unquestionable test the past year. As a result of feeding mustard I find that my birds are better in health and better producers.

I have not been able to obtain "mustard meal" and use the more easily obtained ground mustard. I feed one teaspoonful of this in the food for six hens.

As to feeding green mustard leaves I find that the fowls are very eager to

get them, even when other green foods are supplied and I believe they are benefited by being fed these greens, which are easily raised in any climate.

Flora, Ind.

W. H. Kobel.

(Note.—If any of our readers want more information concerning Mr. Kobel's experience with mustard we have no doubt that he will be pleased to answer their queries if they write him direct.—Ed.)

#### Egg Farm in the Argentine Republic.

Q. I am going to emigrate to the Argentine Republic and, being a good poultryman, I want to know if the

raising of chickens for market poultry and eggs does not pay in that country as well as it does in the United States. I need as much information as possible on this subject. Can you refer me to any consular report on the poultry industry in the Argentine and do you know if they have any poultry associations like there are in this country?

Napa, Cal.

E. L. B.

A. Would suggest that you write to Harry M. Lamson, Senior Animal Husbandman in Poultry Investigations, Bureau of Animal Industry, Washington, D. C. He should be able to furnish you with the information you desire.

## CONCENTRATION OF PURPOSE

The concentration of purpose of the Mount Pleasant Farm for the last ten years has produced the greatest known layers.

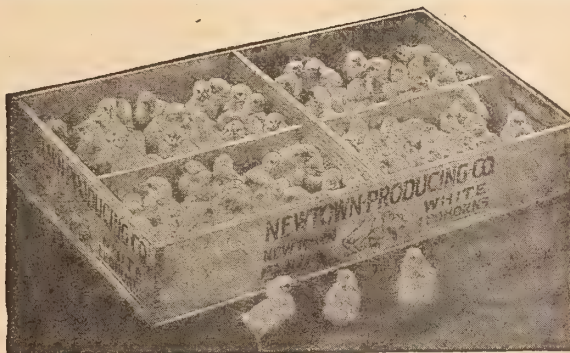
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### THE NEW DEPARTMENT

Dr. Prince T. Woods, Director

**T**HIS new A. P. J. Experiment Station Department was announced in the November and December, 1912, numbers. For the past two years readers have been asking us for information which could only be given in such a department. We have had time and the opportunity to make a good many careful tests covering periods of varying length, but sufficient to form an opinion that we are willing to vouch for. We have other tests under way and from now on this department will appear in American Poultry Journal whenever we have a report to make.

Our readers have convinced us that they want a report on things that are GOOD. We intend to here list the good things after we have tested them. So far as possible repetitions will be avoided and to have a complete list of the reports it will be necessary for the reader to keep a file of the magazines containing this department.

Please do not ask us to name the BEST in anything. Among many good things there may be a best, but that is a point where opinions may well differ under different circumstances. Therefore we must decline to name any variety, equipment, food, supply or remedy as THE BEST, thereby indorsing it in preference to all others.

There are many good things. We cannot test all of the good things, but

we intend from time to time to test as many as our capacity and time will permit. When we list anything in this department as good, you can depend upon it that we have found it good in actual and sufficient test. Because we list anything as GOOD does not mean that there are not other similar articles just as good. Keep your lists for reference.

Our friends will please bear in mind that there will be no special favors granted in this department and will please oblige us by not asking for special mention. Nothing will be reported until careful test has been made. Tests will not be rushed or hurried for anybody. In making reports the tests alone will be considered. No one will be specially favored above anyone else. It makes no difference whether the subject of the test is the product of a big advertiser, a little advertiser or someone who does not advertise with us. The same treatment will be given to all and no favors asked or granted.

The majority of the articles tested we purchase in the open market like any other poultryman. However, any person desiring to have a trial made on our Experimental Farm will be accommodated provided a sufficient supply of the goods to be tested are sent to our director, prepaid, and a sufficient length of time allowed for the test. Donated goods will receive the same consideration as goods purchased and no more. Goods by freight or express should be addressed to Director of American Poultry Journal Experi-

ment Station, Plympton, Mass. All mail should be addressed to Silver Lake, Mass.

It should be expressly understood that we do not solicit donations of any sort and no concessions will be made to anyone on account of any favors.

**Things Tested and Found Good.**  
Incubators:

New Homestead Hatcher, 60 egg capacity, new, 1912 pattern, type hot-water, made by Robert Essex Incubator Co., Buffalo, N. Y. Period of test 5 months. Hatches excellent. Chicks large, strong and vigorous and lived well.

Marblehead Incubator, 240 egg capacity, new, 1912 pattern, type hot-water, made by Frank Brown, Marblehead, Mass. Period of test 2 months. Machine plain and heavily built. Hatches excellent. Chicks large, strong and vigorous and lived well.

Hub Incubator, 200 egg capacity, new, 1912 pattern, type hot-water, made by W. H. Somersall & Son, Natick, Mass. Period of test 5 months. Four machines tested in two locations 60 miles apart. Hatches excellent. Chicks large, strong and vigorous and lived well.

Buffalo Incubator, 240 egg capacity, new, No. 2, 1912 pattern, type hot air, made by Buffalo Incubator Co., Buffalo, N. Y. Period of test 6 months. Two machines tested. Hatches excellent. Chicks large, strong and vigorous and lived well.

Brooder:

Wigwam Brooder, 60 chick capacity,

Must hustle or starve if you use a Simplicity Feeder. Saves cost in thirty days. Simplex Supply House, Pontiac Building, Chicago, Illinois.

## THE DRONES



## Kellerstrass White Orpingtons

ARE THE BIGGEST PAYERS BECAUSE THEY HAVE PROVEN TO BE  
**THE BIGGEST WINTER LAYERS**

**Kellerstrass Strain "Crystal" White Orpingtons**

Are the grandest utility birds on record today, and as to their fancy quality they won first at Madison Square Garden, New York, 1905, 1906, 1908, 1909, 1910; also at Crystal Palace, London, England, and Chicago and Boston. If you need some birds to improve your stock or for the show room write us. We have them, and the kind that wins, as our past record shows. Stock for sale at all times. Remember, we are the originators of "Crystal" White Orpingtons, and breed only the one kind. We devote our whole time to this one breed. Eggs for hatching, write for prices. Send for our catalogue.

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ORIGINATOR OF CRYSTAL WHITE ORPINGTONS  
9122 WESTPORT ROAD, : KANSAS CITY, MO.



new, 1912 pattern, outdoor type, heat and moisture supplied by combined hot-water and hot-air system, made by E. F. Hodgson Co., Boston, Mass. Period of test 7 months, February to August, inclusive. Location during test exposed southerly slope. Operated entirely out of doors without shelter of any kind. Twenty brooders used in test. Operation simple, temperature easily maintained, fresh-air ventilation good, moisture supply to hover chamber good; with a little extra attention can be successfully operated out of doors in below zero weather and in high winds. Lamp not affected by wind. Chicks lived well and made good growth. Incubator and Brooder Oil:

Special Incubator and Brooder Oil, made by E. A. Buck & Co., Worcester, Mass. Period of test, 10 months. Quantity tested, 12 barrels. Good oil. Uniform flame and heat with minimum carbon.

#### Foods:

Milk Albumen, made by the Bencroissant Co., Antwerp, N. Y. Period of test, 7 months. Quantity tested, 1,000 pounds. Good in laying mashers and growing foods.

Wirthmore Scratch Food, made by Charles M. Cox Co., Boston, Mass. Period of test, 2 weeks. Quantity tested, 1 ton. A clean and wholesome grain mixture practically free from waste.

Chick Food, made by D. Lincoln Orr, Orrs Mills, N. Y. Period of test, 2 months. Quantity tested, 1,200 pounds. Sweet, sound, wholesome mixture of

fine cracked grains, clean enough for breakfast cereal. Results, good.

Breck's Beef Scrap, made for Jos. Breck & Sons, Boston, Mass. Period of test, 18 months. Quantity tested, 5 tons. Good wholesome scrap. Equipment:

Norwich Automatic Feeder, made by Norwich Automatic Feeder Co., Norwich, Conn. Period of test, 1 year. Number tested, 6 feeders. Good feeders for all scratch grain mixtures, seldom clog. One large feeder will feed flock of 25 hens comfortably. Several sizes.

Gillette Automatic Feeder, made by George K. Gillette, R. F. D., South Hanson, Mass. Placed for tests and improvement before being put on the market. Period of test, 6 months. Number tested, 33 feeders. Changes suggested by A. P. J. Experiment Station incorporated in improved machine. Good feeders for all hard grain mixtures, rarely clog. One feeder will comfortably serve 25 adult fowl or 75 baby chicks. One size only.

Oat Sprouter, made by E. C. Young Box Co., Randolph, Mass. Period of test, 7 months. A good inexpensive sprouter for small flocks.

Brood Coops and Colony Coops, made by E. C. Young Box Co., Randolph, Mass. Period of test, 11 months. Number tested, 18-brood coops and 12 colony houses. Good low cost equipment.

Foster Killing Knife, made by Cyphers Incubator Co., Boston, Mass. Pe-

3 knives. Good inexpensive killing knife.

#### Remedies:

Abbott's Cholera Remedy, made by the Abbott Alkaloidal Co., Chicago, Ill. Quantity tested, 2 large packages. Tests made with four flocks on four farms. Duration of tests, 1 to 2 weeks each. Remedy is in tablet form and is a compound of phenol-free sulphocarbolates. An intestinal antiseptic. If used sufficiently early in the case proves effective in infectious diarrhoea, intestinal irritation, limberneck and diarrhoeas from indigestion or spoiled foods. Remedy is still under test.

Dioxogen, made by the Oakland Chemical Co., New York City. Period of test, 8 months with several flocks and individual cases. Quantity tested, 6 pints. Found useful for cleansing throat, nasal and head cavities in conjunctivitis, roup, colds, simple colds and canker. Effective when used properly and persistently in curable cases.

#### "DON'T BE A CLAM."

A negro woman was arguing with her husband. He said: "Dinah, yo' talk don' affec me no mo' dana flea bite."

"Well, niggah," she answered, "I's gwana keep yo' scratchin'."

Darlington's S. C. Wh. Leghorns are also scratchin'.

Darlington Egg Farm. Alfred P. Edge, Box B, Darlington, Md.

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## SHOW DATES FOR 1913

## CALIFORNIA.

Jan. 8-14. Los Angeles—Jos. E. Davis, Secy., Palmer, Byers, Ritz, Moore, Masterson, Woodhull, Goodacre and Harrison, judges.

## CANADA.

Jan. 20-24. Owen Sound, Ont.—Henry Waite, Secy.

## COLORADO.

Jan. 20-25. Denver—E. P. Johnson, secretary; W. S. Russell, J. A. Tucker, judges.

## CONNECTICUT.

Jan. 21-24. Stamford—R. M. Clark, Secy.

## FLORIDA.

Jan. 13-18. Jacksonville—H. E. Partridge, Jr., Secy.

## ILLINOIS.

Jan. 6-11. Elgin—Chris. H. Leltner, secretary; Geo. H. Northup, judge.

Jan. 6-11. Waukegan—L. A. Doolittle, secretary; McClave, judge.

Jan. 6-12. Springfield—T. C. McCoy, secretary.

Jan. 6-11. De Kalb—Wm. W. Hyde, secretary; Warnock and Rountree, judges.

Jan. 8-11. Blue Island—Francis Lambrechts, secretary; Charles McClave, judge.

Jan. 8-16. Joliet—Mrs. Alta Marten, secretary; Heck, judge.

Jan. 12-17. Kankakee—E. P. Vining, secretary; D. T. Heimlich, judge.

Jan. 13-16. Orangeville—S. D. Confer, secretary; Pickett, judge.

Jan. 13-18. Mattoon—W. H. Morris, secretary; S. B. Lane, judge.

Jan. 13-18. Rockford—John A. Smith, secretary; O. L. McCord, D. E. Hale, judges.

Jan. 13-18. Dixon—R. M. Ayers, secretary.

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## Smith's Single Comb Buff LEGHORNS

Are the big money-makers, because they are the best winter layers. I have thousands of birds for sale. Females, \$2.00 and up; males, \$3.00 and up; Bawn and White Indian Runner Drakes and Ducks, \$1.50 each. Send 10 cents for catalogue.

F. S. Smith, Box C and D, Hamilton, O. Life member A. P. A. and Am. Buff Leghorn Club

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and I will set music of "Merit and Melody" to them at small cost to you. You never know their real value until you've heard them sung and submit them to the publisher. Call or write.

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Will feed any kind of Poultry feed. Adjustable to feed any amount desired. Keeps Poultry busy. Will PAY FOR ITSELF in six months. Increase your egg yield 25 to 40 per cent. Size No. 1 (12 quarts), \$2.00; No. 2 (20 quarts), \$2.75. Have Sparrow and Rain Guards complete. Our 15 quart Dry Mash Feeder, \$1.25. Fowls cannot waste the feed.

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General Sales Agent for the New Eng. States  
Hartford, Conn.

Jan. 15-20. Galesburg—C. H. Anderson, secretary.

Jan. 20-25. Mt. Vernon—C. R. Paoli, secretary; J. J. Klein, judge.

Jan. 21-24. Harvard—L. S. Backus, secretary.

Jan. 21-25. Aurora—A. E. Frenier, Secy., C. P. Van Winkle, judge.

Jan. 27-31. Havana—C. D. McKinley, secretary; J. C. Johnston, judge.

Jan. 28-31. Litchfield—E. B. Chapman, secretary; L. G. Householder, judge.

Jan. 28-Feb. 1. Marshall—J. S. Walker, secretary; H. A. Pickett, judge.

Jan. 29-Feb. 1. Washington Heights—Wm. J. Zuttermeister, secretary; C. V. Keeler, judge.

Feb. 3-8. Belvidere—S. V. Teeple, Secy.

## INDIANA.

Jan. 7-11. Portland—H. V. Tormohlen, secretary; J. C. Clipp, judge.

Jan. 6-11. Sullivan—F. P. Tutt, secretary; T. M. Campbell, judge.

Jan. 6-11. La Fayette—Harry G. Leslie, secretary; W. W. Like, judge.

Jan. 6-16. Greencastle—Earl Buntin, secretary; T. M. Campbell, judge.

Jan. 11-17. Indianapolis—Henry C. Dippel, secretary; W. C. Pierce, O. L. McCord, T. E. Hale, H. A. Pickett, H. P. Clarke, judges.

Jan. 13-17. Decorah—Len Larson, secretary; U. J. Shanklinas, judge.

Jan. 13-18. Sheridan—G. R. McMurty, secretary; H. W. Bridges, judge.

Jan. 14-18. Logansport—Wm. Grace, secretary; Geo. H. Northrup, judge.

Jan. 20-24. Bloomington—Ralph Woolery, secretary.

Jan. 20-24. Goshen—H. V. Krutz, secretary.

Jan. 20-25. Attica—Chas. L. Jacobson, secretary; Hy. C. Dippel, judge.

Jan. 20-25. La Porte—Herbert J. Link, secretary; Chas. V. Keeler, judge.

Jan. 22-23. Ft. Wayne—J. C. Howenstein, secretary; G. H. Northrup and Pickett, judges.

Jan. 24-Feb. 1. Muncie—W. F. Notion, secretary.

Feb. 12-14. Madison—S. F. Boyd, secretary.

## IOWA.

Jan. 7-11. Jefferson—L. E. Troxell, secretary; A. B. Shaner, judge.

Jan. 20-25. New Hampton—P. J. Cooney, secretary; G. D. Holden, judge.

Feb. 4-8. Burlington—Newton M. Derby, secretary; W. S. Russell, F. H. Shellabarger, judges.

## MARYLAND.

Jan. 21-23. Lonaconing—D. A. Edwards, secretary; Charles T. Cornman, judge.

## MASSACHUSETTS.

Jan. 7-11. Boston—W. S. Atherton, secretary.

Jan. 8-10. Dalton—W. H. Griswold, secretary; Tasker and Felch, judges.

Jan. 16-18. Lawrence—Alfred Kayworth, secretary.

## MICHIGAN.

Jan. 7-10. Grand Rapids—Geo. H. Williams, secretary; Tucker and Otto, judges.

Jan. 7-14. Lansing—J. A. Turner, secretary; Wells, Wise, Winshall, judges.

Jan. 6-11. Kalamazoo—D. H. Tolhuizen, secretary; H. F. Rikhoft, judge.

Jan. 14-17. Muskegon—George L. Petrie, secretary; Earl Hemeway, judge.

Jan. 30-Feb. 2. Manistee—M. A. Fortier, secretary.

Feb. 3-6. Saginaw—Ed Ihland, secretary.

Feb. 3-8. Flint—Neil A. Dewar, secretary; Thomas S. Falkner; William M. Wise, judges.

## MINNESOTA.

Feb. 3-8. Duluth—F. P. Hullock, secretary.

## MISSOURI.

Jan. 14-17. Derry—E. E. Buzzell, secretary; H. B. Mars, E. F. Benson, judges.

## NEW HAMPSHIRE.

Jan. 6-10. Genesee—Hugo Freese, secretary; Fred Maunder, C. W. Augenstein, judges.

Jan. 7-11. Rochester—J. Tallinger, secretary; Ballou, Andruss, Barum, Jackson, Rice and Preston, judges.

Jan. 13-17. Utica—F. W. Batsford, secretary; J. D. Jaquins, D. C. J. Andruss, judges.

Jan. 13-18. Buffalo—S. A. Merkley, secretary; Wm. McNeil, L. G. Jarvis, Geo. Burgott, H. P. Schwab, Geo. W. Webb, W. H. Card, F. D. Maunder, judges.

Jan. 14-17. Albany—Chas. B. M. Evans, secretary.

## NORTH CAROLINA.

Jan. 10-14. Charlotte—S. H. Hackney, secretary.

## OHIO.

Jan. 7-10. Cadiz—D. Stevenson, secretary; J. A. McIntosh, judge.

Jan. 8-11. Tiffin—H. B. Hunter, secretary; W. C. Pierce, judge.

Jan. 13-18. Bradford—A. L. Bribaker, secretary.

Jan. 13-18. Dayton—Dayton Fancy Feather Club, Frank Hamburger, secretary; Eugene Sites, judge.

Jan. 13-18. Galion—W. M. Huffman, secretary; Whitaker, judge.

Jan. 14-17. Wadsworth—Geo. H. Geier, secretary; A. H. Emch, judge.

Jan. 14-18. Bowling Green—A. A. Whipple, secretary; Z. D. Struble, judge.

Jan. 14-18. Cambridge—James Cook Sarchet, secretary.

Jan. 15-18. Leetonia—C. S. Anglemeyer, secretary; McClave, judge.

Jan. 20-25. Piqua—Sherman D. Syler, secretary; H. R. Miller, judge.

Jan. 20-25. Marietta—Fred C. Snodgrass, secretary; T. M. Campbell, judge.

Jan. 20-26. New Waterford—Paul Overholtzer, secretary; D. D. Whitacre, judge.

Jan. 20-25. Cleveland—J. T. Conkey, secretary; J. H. Drevendstedt, Thomas Faulkner, Chas. McClave, Hy. P. Schwab, Richard Oke, judges.

Jan. 29-Feb. 1. Zanesville—F. C. Clester, secretary; S. B. Lane, judge.

## OKLAHOMA.

Jan. 13-18. Blackwell—Geo. M. Carson, secretary; C. A. Emry, judge.

## PENNSYLVANIA.

Jan. 13-18. Pittsburgh—W. P. Craig, secretary; Lester Tompkins, Fred Kummer, W. R. Graves, C. D. Cleveland, Fred H. Cook, Theo. Hewes, W. Theo. Wittman, E. B. Uhrlich, E. F. Baldwin, W. D. Maunder, judges.

Jan. 14-18. Grove City—Chas. H. Daugherty, secretary; A. F. Kummer, judge.

Jan. 14-18. Scranton—A. W. Close, secretary; Gleezen, Alberts, Bean and Rice, judges.

Jan. 20-25. Altoona—H. S. Wertzberger, secretary.

Jan. 20-25. Greensburg—R. M. Zundel, secretary; Wittman and Ewold, judges.

Jan. 27-Feb. 1. Monongahela—Herbert S. Shippe, secretary.

Jan. 28-31. Saegertown—Lloyd Aspey, secretary.

Jan. 28-Feb. 1. Butler—D. H. Rankin, secretary; A. F. Kummer, judge.

Feb. 3-8. Canonsburg—W. J. Gowern, secretary; Chas. V. Keeler, judge.

Feb. 17-22. Pittsburgh—George C. Suth, secretary; Schwab, Roley, Funderford, Weeks and Chambers, judges.

## RHODE ISLAND.

Jan. 15-18. Westerly—H. P. Clark, secretary.

## SOUTH CAROLINA.

Jan. 7-10. Spartanburg—B. L. Blackwell, secretary.

## SOUTH DAKOTA.

Jan. 27-Feb. 1. Mitchell—Wm. Scallin, secretary; Russell and Heimlich, judges.

## TEXAS.

Jan. 22-26. San Antonio—Ed M. Steves, secretary; McCord and Savage, judges.

## UTAH.

Jan. 13-18. Salt Lake City—H. R. Grow, secretary; Shellenberger, judge.

## VIRGINIA.

Jan. 7-10. Warrenton—F. D. Gaskins, secretary; Chas. T. Cornman, judge.

Jan. 14-18. Richmond—G. E. Guvernator, secretary; C. T. Cornma, J. H. Wolf-sieffer, judges.

## WEST VIRGINIA.

Jan. 8-11. Morgantown—E. N. Dille, secretary; Elmer Gimlin, judge.

Jan. 7-12. St. Mary's—Frank J. Rife, secretary; Hy. C. Dippel, judge.

## WISCONSIN.

Jan. 6-10. Lake Geneva—G. B. Stannard, secretary; A. P. Kaye, judge.

Jan. 6-11. Mineral Point—Allen Tucker, secretary; C. Daie, judge.

Jan. 9-12. Plymouth—W. E. Beiersdorf, secretary; George Wills, judge.

Jan. 13-18. Janesville—F. H. Green, secretary.

Jan. 15-20. Oshkosh—Frank L. Pugh, secretary; Hicks and Wells, judges.

Jan. 23-26. Appleton—W. I. Lamb, secretary; Wells, judge.

Jan. 29-31. Reedsburg—H. D. Kelley, secretary; E. H. Hoffman, judge.

Jan. 29-31. Manawa—A. C. Lindsay, secretary.

Jan. 29-Feb. 1. Wausau—L. H. Cook, secretary; Geo. M. Wells, judge.

Feb. 5-8. Fond du Lac—E. Brown, secretary; James A. Tucker, judge.



## CHICK CHATS

By H. P. Schwab

With greetings for the New Year.

Do something in 1913. Make it a year that will bring happy memories in time to come.

Your future depends on YOU.

We are in the midst of the great shows; they are great indeed; they are the success made possible by our breeders.

Buyers are many; quality is in exceptional demand. If you have it—advertise.

Have you noticed the quality in Rhode Island Reds this year—the rich red color, grand wings and tails, and beautiful type. Such progress is pleasing to note. You Red breeders, we congratulate you.

Officially it is claimed that there are seven kinds of eggs, viz.: Extras. "No. 1s," Dirties, Checks, Spots, Leakers and Rots.

The following is clipped from a leading newspaper: The average ratio of operating income to the cost of real property and equipment for three years ending 1911 for each of the five largest

express companies as reported by the interstate commerce commission is—

Wells Fargo Co.....	65.30 Per Cent
Adams Express Co....	26.89 Per Cent
American Express Co..	27.11 Per Cent
U. S. Express Co.....	17.57 Per Cent
Southern Express Co..	372.50 Per Cent

Let us have the Parcel Post with just and reasonable rates.

They tell us that the trouble with voyaging on the sea of matrimony is that too often the cook wants to be captain.

We lately spent part of a day in Pittsburg meeting the boys of the Fanciers Club. All eyes will be turned that way February 17th to 22nd when the great show takes place. Mr. Geo. C. Sutch, No. 5 Lydia St., is the Secretary, write him for list.

We thank our good friend the Major for our "Pilots License," and although its number is 23 we appreciate it just the same and as soon as we can enlist a crew will heave anchor.

We are pleased to announce that Mr. John W. Poley, Linfield, Pa., again has entire ownership of his line of "Poley's Worlds Best Buff Rocks," Mr. Myers retiring. Everybody knows John and

his quality Buffs and, as we have seen his stock this fall, are ready to say they are better than ever. He has special prices for choice breeders and exhibition birds.

The Dollar Poultry Journal has come to stay, it is worth the price, every issue shows improvement and it sells quality stock for advertisers. When you see it in the A. P. J. you can depend upon it.

The November and December issues have started things. They are but the forerunner of what is to come and can be expected. The A. P. J. in the future, as in the past, is going to deserve the support of all who believe in better poultry.

We are specially requested by Mr. Chas. Hall, Trafalgar, Ont., to announce that his First and Third prize Barred Rock cockerels at the "Ontario" were hatched from eggs bought from Mr. H. D. Riley, Strafford, Pa. There were 69 cockerels competing. We are glad to print this, for it shows the right spirit in Mr. Hall to give proper credit where due.

The Palace New York show has made more history, the classes were of the best, with a wonderful attendance and many good sales made. The banquet was a feature and we hope we are not the last to express our thanks for all favors extended. We give a complete show report elsewhere.

At the banquet, Mr. E. B. Thompson's name was proposed for President of the A. P. A. and was grandly received by all. We believe the journal

# Poultrymen Have Confidence In The Globe Incubator---

because all the value---all the invested money is put into the machine itself. We put all the money in the machine. We have never made a statement that was unsound or shaky. Everything we say about the "Globe" is truth—positive fact backed up by seventeen years of a wonderful success. Don't be misled by those low priced machines. You know it takes a great deal of yelling to sell anything that's below standard. We have never had to advertise in that way in our life. The Globe's reputation sells it. It is a standard machine—one that you can depend on.

Thousands and thousands of both men and women have been "stung" by purchasing a machine that looks nice in the picture because the man selling it shows a nice big photograph of himself. It is interesting to note that every user of the "Globe" (and then there are thousands and thousands) is today making money just as fast and practical as it is possible to do in the poultry business. And the best proof that our Incubator principles are scientifically correct is the fact that we make Infant Incubators for physicians. Read our large 1913 Poultry and Incubator Catalogue and see what we have to say about our Infant Incubators. This big book has hundreds of testimonials. This is a mass of evidence—solid facts that are the best guide you can obtain. We want you to read them over. See how enthusiastic these people are about the Globe Incubators. Let them tell you in their own words how successful their poultry business has been since they used the Globe Incubator and Brooders. See below for further information about this catalog. Here's a few further words about these wonderful machines and what they are made of.



Send your order at once. Don't miss this remarkable opportunity. And remember when you buy the Globe Machine you are getting real value.

## Poultry and Incubator Book

Send us 15 cents for our big complete book on Poultry, Incubators, Brooders, Poultry supplies. We will save you many dollars. It has more real information than a whole library of Poultry books. It shows everything that is required to make a poultry farm a success.

C. C. Shoemaker, Box 605, Freeport, Illinois

## The Standard 200-Egg Globe, \$18.00

This is without doubt the most carefully built incubator made. It is made of specially selected lumber—each piece picked. Has a most superior hot water heating system and this system is exclusive in the Globe. The pipes that carry the hot water through the egg chamber are made of regular gas steel tubing so that they are absolutely airtight and water-tight. Insulation is the most thorough ever found in any machine. Regulation system is controlled by what is known as the Compound Double Hydro Wafer. Tanks, trays, lamps, etc., are of the finest model and best material obtainable. Can be run with kerosene, any kind of gas or electricity. And all this most perfect construction makes it possible for you to get those high percentage hatches for which the Globe is famous all over the country. This is the incubator that will make you money. This is the incubator that has the real value behind it and not a pretty photograph of somebody.

**200-Chick Globe Brooders \$11.75** After you have your little chicks all peeping about looking like good money, don't chance them to some brass band brooder. Get them in the Globe and you're pretty sure of cashing in at a profit every single time.

This 200-Chick Globe Brooder has all the basic principles that has made the Globe famous. Has the over-head system of hot water pipes, contains two compacts—one for feeding—one for nursery. Ample light and ventilation. The most efficient lamp on the market. Will never rust. The whole brooder is made to stand the racket.

**For 30 Days Only Combination Price \$23.50** If you buy within the next 30 days you can get one of these perfect 200-egg size incubators and one 200-chick brooder, only \$23.50



men have had their fling, and that it is the proper time to elect a breeder to the highest office we poultrymen have to give. Mr. Thompson is one of our oldest members and a most successful breeder and champion of standard bred poultry for over thirty years. He is well qualified for this office and I am sure that many join in wishing him success.

The specialty clubs are holding annual meetings with renewed interests and increased memberships, their aims are high, and we still hope for the time when a great majority of the breeders will join the clubs and personally interest themselves in the progress of the breeds.

There are no tomorrows on the calendars of the men who do things.

At the Philadelphia show Mr. D. Lincoln Orr was fortunate in securing a copy of the American Standard issued in 1871. We believe this is an original copy of the first standard issued.

Mr. Geo. Urban, Jr., Buffalo, N. Y., has issued a most beautiful catalogue of his well known lines of Black Lang-

shans and White Rocks with the illustrations done in color. You can read it all in half a minute, but it will take a year to satisfactorily feast your eyes on the life like pictures of his great winners shown.

We welcome to our advertising columns Mr. E. L. Miles, Sag Harbor, L. I., New York. Mr. Miles is one of our oldest Barred Rock breeders with his success well known. He has but seldom shown his birds, preferring to breed and sell winners for others to show. Breeding has always been his favorite study and we recall with pleasure the many sessions we have had with him and appreciate their value to us.

"FLEA." The national order of the "Flea" was organized at the late Philadelphia show, Friday, December 13, 1912. The objects are to insure a greater fraternal feeling and interest among the poultrymen and to help the needy wherever found. The dues are but \$1 per year and Mr. Henry D. Riley, Strafford, Pa., is the treasurer. Special meetings will be held in New York, Boston, Baltimore, Buffalo, Cleveland, etc. Full information will shortly be given and we feel assured that this

association will do much good and deserve the hearty support of all.

It is true this was founded on fun, pure and simple, and we are going to have that along with the worthy object of helping our fellow-men.

Williamsport held a wonderfully fine show with over 2,000 birds shown. Classes teeming with quality were features and there were the many breeders of national reputation showing their best. The Williamsport show is all in a class by itself as an early show. The banquet was an added feature this season that was attended by over 100 exhibitors. Messrs. Huston, Stryker, Swartz, Heim and all members have given the poultry world something more to be proud of.

The poultrymen of the Empire state are hoping that Mr. Geo. Tracy will be appointed on the State Fair Commission. It is high time that the poultry interests had proper representation on the board and we urge all poultrymen to write the Governor requesting Mr. Tracy's appointment.

Barred Rocks are better than ever this year, and also far more popular.

## DO YOU WANT EGGS?

### JACOBUS IMPROVED STRAIN SILVER CAMPINES

WHY DID THE SILVER CAMPINE EGGS FROM MY YARDS WIN OVER ALL OTHER WHITE EGGS AT BOSTON, 1911 AND 1912?

M. R. JACOBUS : BOX 3J : RIDGEFIELD, NEW JERSEY

## Minorca Breeders, Attention!

Having purchased from Geo. W. Hey the celebrated Geo. H. Northup stock of R. and S. C. B. Minorcas—1000 in all—and added it to our own equally large and valuable flock, we can now supply Minorca breeders with high grade exhibition or breeding stock at reasonable prices. We solicit correspondence and guarantee satisfaction. Catalogue and Special Sale List FREE.

Marcus Allen Northup, Manager, New York & New Jersey Poultry Farm, Inc., Successor to Geo. H. Northup & Son R. F. D. 3, Orangeburgh, N. Y.

## RICE'S S. C. WHITE LEGHORNS

Have had another prosperous season and are again ready to help you out at the early shows. Their past record of winnings at Madison Square Garden and the other leading American shows for the past sixteen years must convince you of the fact that they are bred to win and do it in strongest company. They also have a world-wide reputation as heavy Winter layers of large white eggs and are ready to make money for you through the cold Winter months. I have several hundred choice yearling hens and early hatched pullets at reasonable prices with strong, vigorous cockerels to mate with them. Write me for prices of exhibition stock and choice breeding pens. Please mention American Poultry Journal when writing.

IRVING F. RICE : : : : : CORTLAND, NEW YORK

## PARTRIDGE PLYMOUTH ROCKS

### I Have the Winners for You for Any Show in the Country

A selection from over a thousand of the highest class birds of this variety ever bred. Remember, they are direct descendents of Chicago, Cleveland, Indianapolis, etc., first prize winners. They have the type and color that is recognized as correct by the leading judges of this country. They carry blood lines and vigor that reproduces itself year after year in the offspring.

Partridge Plymouth Rocks are the coming favorites and are rapidly displacing older varieties. Many of the most prominent breeders are adopting them, for it cannot be denied that there is a better all around fowl in existence. Send 25c for my catalog and text book on the breed—the finest book of this kind ever published. Money back if not satisfied. Among up-to-date information on the breed it contains a magnificent color plate insert of a pair of birds in natural colors—worth the money itself.

F. N. Perkins : 22 Harlem Road : Freeport, Ill.



So far we have handled this class at a dozen shows and are delighted with the exquisite quality seen. The features noted in particular are evenness of surface color with superior under-barring. More than ever we are convinced that sharp and clean under-barring is the true and only proper assurance of clean, sound, snappy and even surface color of the proper strength and shade.

The classes of Campines seen so far this season show the interest taken in this variety, they are large and the evenness seen is admirable.

At the Ridgway, Pa., show we found about 800 birds with large and very valuable classes in Houdans, Brown Leghorns, White Leghorns, Wyandottes, Rocks, etc. It was a well regulated show, held in a well lighted hall. The officers, members and exhibitors met there have every reason to feel highly elated over their efforts for the fancy.

Another Philadelphia show has also passed into history. It was a great show, full of interest and business and a record attendance. Our report will give full information of the classes. President Riley with Secretary Moore and Supt. Hickman were well supported by Messrs. Gilbert, Smith, Swiesfort, Fawsett and a dozen others.

Mr. C. F. Rankin, Pittsburg, Pa., was very much in evidence with his line of S. C. Reds, where he was a leading winner. His first prize cockerel was also awarded the cup for best cockerel in the American class and cup for best cockerel in the show.

Mr. C. F. Webster, Girard, Pa., won cup for best display and special for best cock in the show with his first prize White Rock cock. First hen and other prizes were also won by him. At the Williamsport show he won all firsts competed for and special for best bird in show on his first prize White Rock hen. This line has never looked better to us than now. Mr. Webster was represented by Mr. E. H. Lichtenwalter, who also exhibited his Buff Rocks and won all four first prizes.

At Williamsport, Pa., show Mr. S. M. Goucher, Moorestown, N. J., won first prize pen in Barred Rocks and several other rewards. The pen was a beauty, well mated and of the best quality. They repeated this win at Philadelphia. We believe that Mrs. Goucher was responsible for their grand condition and it is seldom we find a pen so well mated and in such superior condition. Such conditions must win.

Eggs for hatching will always be popular among breeders, and particularly those who seek to improve their stock, and those who enter the standard bred ranks. The beginner can't buy from the older breeder his best birds, but he can buy eggs from them, and if properly fed and cared for, and kept growing all the time, his success is assured. This season we have placed winners in several varieties at a dozen shows that were hatched from eggs bought. Eggs for hatching are within the reach of all in price; there is some chance, to be sure, but it is a chance well worth taking.

A judge who has failed to make good raises to make some suggestions, or rather sends his letter and fails to at-

## WHITE WYANDOTTES

Put some new blood in your flock. Blood which counts. We can furnish cocks or cockerels for \$3 each; pullets \$2 each in utility grade. These bred from Boston, Madison Square Garden and Philadelphia winners. Do not delay ordering as first come will be best served. Booklet free. Mention American Poultry Journal.

Wyndmoor Farm, Harry W. Britton, Proprietor, P. O. Box 1000, Moorestown, New Jersey

## IF I BUY BABY CHICKS, WHAT WILL THEY MATURE INTO?

Will they grow into birds that I can feel proud of and that will lay Winter eggs in quantities, or win the blue ribbons for me, or will they be just scrubs that's the question before every one who buys day-old chicks. It's not the first price that counts, but will they be right at maturity?

## Caldwell's White Plymouth Rock (Fishel Strain) "Baby Chicks of Quality"

### From Utility Matings

Will mature into long backed, well made birds pure white in color, that will be the secret of "Winter eggs." Every utility breeder is descended from known good layers that have been bred that way.

### From Exhibition Matings

Will mature into blue ribbon winners. Every exhibition pen is made up of birds with good combs, of good type and chalk white in color, possessing the rich blood lines of generations of Fishel blue ribbon winners. Our birds were among the principal winners at the Indiana Fanciers' Show, Indianapolis, 1912.

### Our Flocks Are Vigorous

All Fall our flocks have roamed meadows and woods accumulating health and vigor. They are now in Winter quarters so full of life and vitality that their chicks will be strong and sturdy.

### Here Is the Caldwell Selling Plan

We are now booking orders for "Baby Chicks of Quality" for Spring delivery. We never have been in such fine shape to handle orders of any size. Our fine plant is fully stocked with the finest birds we ever owned of both utility and exhibition quality. An early placed order enables us to so arrange our hatchings that we save money. By your faith you are entitled to that saving so we will allow you discounts for early placed orders, the earlier the greater the discount. Safe arrival of chicks is guaranteed.

### A New Catalog Is Now Ready

One of the finest ever issued by any breeder. It tells just how "Baby Chicks of Quality" are produced and describes every grade of stock that we have to sell with prices. A copy is ready for you.

R. C. Caldwell : Box 1021 : Lyndon, Ross County, Ohio

## Get a Yesterlaid Hatch!

the Strain that lays heavy when egg prices are highest!

Below is a case of Yesterlaid

Eggs. These eggs brought 63c a doz., wholesale, for table use, because they were laid when egg prices were highest and because their large, uniform size and dead white color command a premium of 5c to 20c in any

market. Hens that lay premium bringing eggs when the price of any eggs are 'way up, mean profits!

## Yesterlaid Range Raised Laying Leghorns

have been specially bred for generations to be heavy winter layers of such eggs. A Yesterlaid hatch will give you a foundation of heavy winter layers of these premium price bringing eggs.

## 95% fertility reported!

A majority of reports on Yesterlaid hatches show 95% fertility. Yesterlaid methods of mating and feeding are such that high fertility is certain. Eggs from Yesterlaid breeders are large dead white and uniform in size. Chicks hatch from these eggs like popping corn and inherit the vigor and strength of their famous progenitors—Lusty Tom and Lady Laymany—quickly developing into plump broilers or heavy winter layers of premium eggs.

Twelve experiment stations have ordered Yesterlaid stock because of super-superiority!

Here's what one says: "I am delighted to find your claim of 95% fertility substantiated. Of 100 eggs sent, we found only 3 infertile and one dead germ." Prof. W. A. Lippincott, Kansas Agricultural College. Some others make these reports: "The eggs I bought of you hatched 28 chicks from 30 eggs." G. Kennedy, Wright City, Mo. "Last Spring I bought eggs from you. The first pullet to lay started at 4 months and 11 days." B. Smith, Englewood, N. J. "Yesterlaid chicks developed into prize winners. One won first and sweepstakes as best cockerel in the show. Also won first and sweepstakes as best trio." K. K. Bowman, Bonae Terre, Mo.

### SPECIAL OFFER—To Jan. 31st

For \$5 we will ship you, express prepaid (east of Rockies) two settings (30 eggs) of specially selected eggs from our first grade Standard matings—regular price \$6, f.o.b. Pacific. In addition we will send you "Poultryology" free—a complete practical text book on the methods of feeding, marketing, breeding, etc., which have made Yesterlaid Egg Farms so successful—written by the manager himself, Mr. R. C. Lawry. This offer is good only to Jan. 31st—and is made solely to get new customers, for we know that any body who gets Yesterlaid stock will order again. Order now—pin a five dollar bill to coupon, fill it out and mail TODAY.



Mail order today!

Yesterlaid Egg Farm Co., Dept. A-5, Pacific, Mo.

As per your special offer, I attached \$5 bill (or P. O. Money Order), for which send me, express prepaid, on or about (date) two settings (30) eggs especially selected from your first grade Standard Matings. It is understood, too, I am to receive, free, the book "POULTRYLOGY."

Name \_\_\_\_\_

Address \_\_\_\_\_

This book alone brings \$1 net. (144 pages—67 pictures). This offer is good only to Jan. 31st—and is made solely to get new customers, for we know that any body who gets Yesterlaid stock will order again. Order now—pin a five dollar bill to coupon, fill it out and mail TODAY.



tend a meeting being held at the time he visits the show. Wonder if he ever considered that his failure was simply due to his own lack of ability? Think this over.

\* \* \*

Beware of imitations. The kind of mustard that we have used and recommended is "French's Poultry Mustard." Take no substitutes, for we know nothing of the other kinds. Be sure to insist on "French's" every time and you will find value and pure goods with results.

\* \* \*

The Dune Alpin Farms, East Hempstead, L. I., N. Y., made a very neat clean-up at the Palace New York show with their S. C. White Leghorns by winning four first prizes along with about all the rest offered in that great class. It was a feast to see their display and to note the quality and condition. Mr. Kerr, like many other good things, improves with time, and the improvements he is making with this line of Leghorns and White Orpingtons is good to see.

\* \* \*

Haldie Nicholson, Leominster, Mass., breeder of the cockerel line of Barred Rocks, has sold birds that have made several grand records this season. This line has been unusually successful for several

years and beside the winnings he has made at Boston, birds of his breeding have won the country over. He writes us that he has a large and fine lot of birds to offer, and we know what that means.

\* \* \*

He also breeds on one of his farms Blue Orpingtons, Blue Wyandottes and Blue Leghorns. The foundation of his stock in these he imported, and we note they have been winners wherever shown. After the shows we hope to visit Mr. Nicholson and will have some further reports on these for our readers.

\* \* \*

We spent one day at the Dallastown, Pa., show judging several classes and were surprised to note the large entries of Barred Rocks and White Rocks, Silver and White Wyandottes, Leghorns and Reds. The first prize Barred Rock hen and pullet shown by J. W. Smith were rare specimens of great value, and were well shown.

\* \* \*

Dunrobin Farm, Red Bank, N. J., never do anything by halves in their varieties of White and Buff Orpingtons and Buff Orpington Ducks. At the Palace, New York show they won first cockerel in both White and Buff Orping-

tons. Those birds stood out strong and sound in quality and were shown to perfection in condition.

\* \* \*

Mr. R. V. Hicks is making a reputation east in judging R. I. Reds. At both the Palace and Philadelphia shows his work met with entire satisfaction of the exhibitors.

\* \* \*

Canada's great show, "The Ontario," was held this week with over 5,000 birds shown. The Plymouth Rocks were among the largest classes shown, and the average quality the best we have seen there. In Barred Rocks 157 birds were shown, with the first cockerel and pullet phenomenal specimens. There were 113 White Rocks with many great winners, and in the Buff and Partridge classes there were nearly 100 birds more.

\* \* \*

The exhibit of Barred Rocks by Mr. R. J. Walden, Middleburg, Md., at the Williamsport show had its feature in its first prize pullet and his first prize pullet-bred cockerel. The pullet was a great winner in a large and very strong class and attracted attention with her pronounced color and sharp barring. The cockerel referred to was a beauty and as rich a specimen as we have seen.

## BRUCE & ABBOTT'S BUFF ORPINGTONS

Go Marching Through Georgia and capture more BLUES at Atlanta, Oct. 28 to Nov. 2, than any of their competitors. 1st chl., 1st and 2d hen, 3d pullet and 5th pen. No other breeder won more than one 1st prize. Look up the competition and decide for yourself whether or not it takes the very best quality possible to win highest honors at this great Southern Show. Also remember our sweeping victories at Pittsburg, Indianapolis, New Orleans and the recent Indiana State Fair. Write for prices on stock. Mating list ready December 20th.

BRUCE &amp; ABBOTT

BOX 10

WHITELAND, INDIANA

## NOFTZGER'S PARTRIDGE ROCKS

**WIN AT CHICAGO**—My birds again won four out of the five firsts, demonstrating my ability to produce the quality necessary to win. I have a large flock of brothers and sisters of these prize winners which I will sell at reasonable prices.

**COME TO THE ORIGINATOR AND GET THE BEST**—My pens this year will contain the finest birds I ever owned, reaching still more closely the perfection for which we strive. My free catalogue contains much valuable information. Send for it today.

S. A. Noftzger, Originator of Partridge Rocks, Box 38, No. Manchester, Ind.

## Miss Carey ENGLAND Toynton, Spilsby WHITE ORPINGTONS GREAT SALE

Grand International Palace Show, 1912  
the stud first for the fifth year in succession

There is not another stud in existence that can offer you the record in breeding winning males for the leading events that this stud holds. Can you breed the deep, wide, low, cobby, heavy, pure white male for which the stud is noted? If not, now is your chance, for owing to the possibility of removal I am greatly reducing my stud, and never before probably in the history of whites has such a valuable collection of birds into the market.

My customers in America have won first this year all along the line—over 16 firsts by different customers in cockerels and pullets have been recently recorded against the best imported stock, and warmest testimonials have been received to almost every order.

The stud has stood right at the front for the past four years in breeding White Orpington male winners at the leading events at home and abroad, and it is unanimously granted this year by English and American visitors to be the grandest lot of deep, wide, low, cobby, weighty, snowy males and exquisitely typed females of purest white ever seen together in a single yard. While the good red eye and neat low comb is in nearly every chicken.

The quality of the birds I ship is so well known that old customers write or cable orders without other correspondence leaving the selection entirely to me and thus get the first pick of the best birds.

A limited number of grand trios and breeding pens headed by extra fine males including some of the birds out of my own pens for which big prices were refused last season, fit for keen competition.

A wide selection of pens headed by very fine males mated to breed winners.....\$200. and \$100.

Single stock birds.....\$10 \$15 \$20 \$35 \$60 \$100.

But for sure success it is better to purchase a trio or pen and get the pullets bred to produce the class of male. A few celebrated winners quoted on application. Eggs per sitting (unfertiles replaced).....\$5 \$10 \$15.

Buff and White Orpingtons and Faverolles bred. A splendid lot of testimonials by leading journals, American and English judges and customers, by return mail. All orders over \$35 value landed free in this country. Order today before the best are sold. Cable "Carey" Spilsby.



# CURRENT NEWS of the Poultry World

By  
J. F. SCHUREMAN

Dr. F. M. Reed, of Wyandot, Ill., has disposed of his entire flock of R. C. Brown Leghorns to W. O. Chase, of Hillsboro, Ill., and will devote his time to the breeding of Rhode Island Reds. This is no doubt one of the best flocks of R. C. Brown Leghorns in the country, Mr. Reed having been a winner of the blue ribbons in most of the big shows for a number of years.

A school in poultry culture is to be held in Superior, Wis., this winter under the direction of the College of Agriculture of the University of Wisconsin.

According to a statement just issued by the Nebraska Department of Agriculture, the value of the poultry products in that state for the year 1911 exceeded \$43,000,000, or about 6 per cent of the product of the entire country.

A 5-year-old Black Spanish hen, owned by Mrs. Taylor Collins, of Marseilles, Ill., has adopted six kittens and cares for them as tenderly as if they were her own chicks. The kittens have learned to heed the call of the hen and the hen broods them the same as she would so many chicks.

A department of poultry husbandry has been added to the regular course at the State College of Agriculture at Athens, Ga. A special building is being erected for this department.

Just before Thanksgiving, in a single day, twenty-one carloads of turkeys were shipped from Morristown, Tenn., to the New York city market. The aggregate value of the shipment was placed at \$60,000.

One of the attractions at the recent Quincy (Ill.) poultry show was an incubator in which alligator eggs direct from Florida were hatched in plain view of the spectators.

While handling a hen at a Wisconsin poultry show a couple of weeks ago, Judge Charles V. Keeler lost the stone setting out of a ring he wore. The stone had no sooner hit the floor of the coop than the hen gobbled it up and swallowed it. Mr. Keeler at once offered the owner of the hen \$200 for her, but the offer was turned down and the judge left the show without recovering his property, which he valued at \$200.

J. H. Jones, formerly of Topeka, Kan., has purchased a tract of land near Oklahoma City, Okla., and will at once establish an up-to-date poultry farm thereon. He is an experienced poultryman and will no doubt make a success of his venture.

Dr. J. B. Spangler, of Mechanicsburg, Pa., claims to have the champion Pekin duck layers of the country. There are

four of them and they were hatched on April 25. They commenced laying on September 3 and during the month of October they laid 72 eggs. During the first three weeks of November they produced 74 eggs.

H. N. Conn, of Boston, Mass., has purchased an interest in the La Belle poultry ranch, near Aurora, Colo., and will assume the active management of the enterprise. The ranch covers 20

acres of ground, on which there are buildings valued at \$46,000. It is planned to spend between \$70,000 and \$80,000 in enlarging and improving the plant. Eighty acres of additional land will be purchased, new buildings erected and new equipment installed. At present the incubator capacity is 15,000 eggs and there are 4,000 laying hens and over 16,000 spring chickens on the ranch. When the improvements are completed it will be the largest poultry plant in Colorado, if not in the West.

Poultry breeders of Jefferson county, Arkansas, are planning for the erection of a building in Pine Bluff to be the permanent home of the Jefferson County Poultry Association and in which the annual exhibitions may be held.

John R. Hill, of Urbana, Ohio, a breeder of Brown Leghorns since 1874,

## DE VOSS' COLUMBIAN PLYM. ROCKS

Winners Tri-State Fair, Memphis, Tenn., and at great Boston Show. Exhibition and breeding birds for sale. Have a number of good utility pullets at \$2 each. : Lee W. DeVoss, Box 1293, Greenfield, Ohio



## A GOOD TRAP NEST

Made in a few minutes from a common box, very simple and reliable. Send 10c for complete printed and illustrated instructions for making your own trap nest. Warm water fountains, automatic feed hoppers, poultry houses, etc. Price list of our wonderful strain of Winter egg producing Barred Rocks free.

Stirdivant Farms, Sheboygan Falls, Wisconsin

## WHITE PLYMOUTH ROCKS

WINNERS AT GUELPH, ONTARIO, DECEMBER, 1912

Canada's Greatest Show is the "Ontario" held at Guelph. My birds have won there for years and their best record was made this season by taking all first prizes but one and about all specials. Size and vigor are a feature of this line that have been bred and exhibited by me for many years. Special prizes now for choice breeding or the highest class of exhibition stock. Let me know your wants and send for my circulars. Eggs for hatching. Satisfaction assured.

J. L. BROWN : BOX A : SEAFORTH, ONTARIO

## BABY CHICKS



All free range stock and all hatched in our new latest Mammoth machines. This will insure nice, strong, big, vigorous chicks that will win for you in the next Fall shows. We make a specialty of White Leghorns and Barred Rocks. Our prices are very low, considering the high quality chicks we put out. This is our ninth season. Our capacity will be 40,000 eggs per hatch this season.

(Order direct from this ad.)

	Per 25	Per 50	Per 100
S. C. White Leghorns.....	\$2.50	\$5.00	\$10.00
S. C. Brown Leghorns.....	2.25	4.50	9.00
Barred Plymouth Rocks.....	2.75	5.50	11.00
R. C. Rhode Island Reds.....	2.75	5.50	11.00
Broiler chicks.....	2.00	4.00	8.00

Get your orders booked now and insure prompt delivery when wanted. Catalog free.

20th Century Hatchery, Box 73, Chatfield, Ohio



has sold his entire flock to a California fancier and will retire from the fancy.

\* \* \*

Frank Tilford, a New York capitalist, has purchased the Lakewood Farms Products Company's poultry farm near Lakewood, N. J., for his daughter, Miss Julia Tilford, who will operate it. It is one of the largest poultry farms in the world, with a 45,000-egg incubator capacity and accommodations for 25,000 laying hens. To add to the area of the property, several adjacent farms have also been acquired. It will be known as the Laurelton Farms, Inc., Mr. Tilford and his daughter forming the corporation. Miss Tilford has had

some experience in poultry culture and will breed both fancy and market poultry. Extensive improvements will be made and an expert poultryman will be placed in charge.

\* \* \*

Judge F. H. Shellabarger, of West Liberty, Iowa, was elected president of the Iowa branch of the American Poultry Association in December. The vice-presidents elected were Mrs. N. B. Ashby, of Des Moines; L. G. Wertz, of Sioux City, and W. A. Hartman, of Winterset.

\* \* \*

A "turkey trot," the first show of the kind ever held in the United States, was pulled off at Cuero, Texas, on No-

vember 26. Great crowds of people, including the governor of the state and other notables, gathered in Cuero to see 20,000 turkeys trot through the streets.

\* \* \*

Prof. N. E. Chapman, poultry expert of the University of Minnesota, is trying to interest the farmers and poultrymen of that state in the matter of increasing the weight of their market poultry. He says: "There are approximately 10,242,000 chickens in Minnesota. Feeding them until they weigh one pound more will add \$1,000,000 to their value."

\* \* \*

Members of the Salt Lake City, Ogden, Provo and Logan (Utah) Poultry associations are agitating the matter of forming a state association to work for the improvement of the poultry industry of Utah.

—o—

## SECOND NATIONAL EGG-LAYING CONTEST.

Six Hundred Hens from United States, Canada, and England Make a Good Start.

The second National Egg Laying Contest began at the State Poultry Experiment Station at Mountain Grove, Mo., November 16th, 1912. Six hundred hens from many states, Canada and England are represented. Also one hundred hens are used in a feeding experiment and the results will be announced each month. The exact formula for each method of feeding will be announced later, one announced each month.

Most of the pens which have not laid this month contain pullets which are not mature. The total egg production for the fifteen days was 739 eggs, and Silver Wyandottes made the splendid record of 60 eggs for fifteen days. The English pen of White Leghorns was second, with 41 eggs. This pen of Leghorns was many days on the road and began laying in less than a week after they arrived. They are the busiest lot of chickens we ever saw. They are so active, so busy, and such hustlers that it is really interesting to watch them. The pens are nearly all of much higher quality than last year. As the birds become accustomed to their new quarters, and as they mature, they will begin laying and change the standing of many of the varieties and pens. The birds are all much younger than they were last year.

Since January 1 there has been more than 4,000 people visit the Experiment Station and inspect the method of conducting these contests, and our other experimental work. These people registered from thirty-six states, Canada, Cuba and Scotland. We hope to make the present contest more interesting, beneficial and helpful than the first one. A more careful study will be made of the details, the type and measurements of a hen, etc. We have several pullets bred from last year's best layers and we will see what these are able to do compared with their mothers' records.

Additional prizes are being offered from time to time. The Missouri Branch of the American Poultry Association offers the following cash prizes: For the best record made by a pen from a member of the Missouri Branch:

- \$7.50 for best pen record.
- 5.00 for second best pen record.
- 2.50 for third best pen record.

The lowest temperature for the month was 20 degrees above zero and the highest 66 degrees.

## S. C. WHITE and BUFF ORPINGTONS, S. C. W. and BUFF LEGHORNS, BUFF ORPINGTON DUCKS

Our first S. C. White Orpington cockerel winning A. P. A. medal best cockerel in show and our first S. C. Buff were the talk of the show at Palace Show, New York. Exhibition and utility stock and eggs.

Dunrobin Farm, A. B. Dalby, Owner, Red Bank, New Jersey



## White Rocks

Early's White Rocks made a wonderful record in Hagerstown, the greatest Eastern show, by winning all five 1st prizes and all specials offered for White Rocks. 1st and 5th cock, 1st ckl., 1st and 3d hen, 1st and 3d pullet, 1st pen, special for best White Rock male and special for best White Rock female. Read this over again and just stop to consider what quality it took to do this. This is my latest winning, but I can show winnings for years. My 1st ckl. at Baltimore, also A. P. A. special for best ckl. in American class is only one of many sensations my birds have caused. Write me your wants. They have won for me and can do it for you. Mating list ready Jan'y 15th. Will sell eggs this season from best pens I ever owned, and at prices that will be within reach of all. Mention A. P. J. when writing.

A. R. Early : : : Roslyn, Maryland





We live in deeds, not years; in thoughts, not breaths;  
In feelings, not in figures on a dial.  
We should count time by heart-throbs. He most lives  
Who thinks most, feels the noblest, acts the best.  
Philip J. Bailey.

**T**HE OLD ROMAN DIETY, Janus, for whom our first month is named, is represented with two faces looking in opposite directions, and it is stated that for this reason the month was named in his honor, since, from its place in the calendar, it might be considered to be looking at the same time backward into the past and forward into the future. Consecration of the day took place by offerings that were new, and by the wiping out of old feuds and enmities. Today after centuries of time, at the beginning of a new year, we continue to look in both directions in an effort to better meet the conditions of the future. No one of us undertakes a new thing without some thought of betterment by so doing, and in all new undertakings the experiences of the past should prove of great value in its accomplishing.

Recently, a reader who is interested in the story of Mrs. Farmer, as told in this department a few months ago, writes that with all her best efforts bent on compassing her daily round of duties as housewife, mother and general manager of her small home, she feels more and more her inability to meet the demands made upon her. She writes, "There are not enough hours in the day, not enough strength in the body, not enough wisdom in the head for me to half do the things I should like to do for my little family of husband and three little ones."

There may be consolation for this conscientious mother in the fact that many other mothers have been, and are, similarly situated. A mother of small children finds many times, during this precious period, when there are "not enough hours in the day, not enough strength in the body," and especially "not enough wisdom in the head," for no adult has ever tried to cope with the mind of a child, as its director, without feeling a woeful lack of wisdom. But from this mother's written word we may be sure of one thing, whatever else there may be lacking,

there is love enough in her heart, and this will cover a multitude of sins of omission in other directions, for from this love of home and family all domestic virtues spring. Probably no greater good than this can come to man or woman, that of being a part of some family, of filling a niche in a family circle. To miss this tie, this brotherliness which comes only through family association is to miss one of the most vital things of life. It may mean a life of service of sacrifice, of apparent small accomplishment, but it is worth the cost. Have you not seen a man or woman who lived a life apart from others and who could see so little good in the world that the only wonder was that they continued to live in it? A week of this mother's life with her little family, would put a new meaning into the art of living for such unfortunate individuals. It would teach them that co-operation in work or in play is a very vital part of every sane person's life. We cannot live for ourselves alone, without losing that which we seek. It is the teamwork that we do with our associates that develops the best there is in us. Without it we are, at best, but warped one-sided individuals. Any work with or for those we love is a step toward better work and greater accomplishment. It may uncover our limitations, but it will prove one of the best incentives to conquer such handicaps. For the mental attitude in such matters acts as a tonic on physical disability until with the belief and determination that we can accomplish certain things, we are able after many trials to do so.

It is frequently said that in America, at least, the habit of unrest and dissatisfaction has established itself as a part of the very life of the people. Such a habit when carried to excess becomes a vice. It robs the individual of any powers or abilities which he may possess, it weakens his purpose in life and demoralizes his mental capacity until he finds himself unable to carry through

anything which he may undertake. There is nothing which will more surely prevent such a condition of affairs than a deeply rooted interest in some regular employment which brings comfort and pleasure for those we love. The little woman who has "not hours enough in the day," although she is overburdened with care and responsibility, and undoubtedly is much over-worked, may be sure of one thing, that she has not for a moment lost sight of her purpose—that of doing her best for her home and family. That she is unable to compass her round of daily duties is a small matter in comparison. She may well look backward into the past with thankfulness for love of home and family and peering into the future foresee all the good that co-operation in loving service in the home, in useful work wherever it may be, foretells.

#### Parsley Omelet.

By H. A. L.

Break six eggs into two bowls, whites and yolks separately, beat until light, and add salt and pepper to season and a heaping teaspoon of finely chopped parsley. Place two ounces of butter in an omelet pan and when hot, pour in the omelet mixture. Allow it to finish cooking over a gentle fire, rolling it carefully as it browns. Serve immediately on a hot platter.

#### Bananas en Casserole.

By E. R. W.

Select good bananas, skin and scrape off the coarse fiber. Cut into quarters and dust lightly with sugar. Roll in flour and place in layers, with a little butter here and there in a casserole. Bake until the bananas are soft. This will require about fifteen minutes in a hot oven. Serve with a lemon sauce made by boiling together three-fourths cup sugar, one-quarter cup boiling water, juice of one-half a lemon. Serve hot.

#### Plunkets.

By J. C. B.

Cream one cup of butter and gradually add to it one cup of sugar. Beat



## Covert's Barred Rocks Win

CHICAGO, 1912

In the largest and best class of Barred Rocks ever brought together either east or west, 393 birds in all. First cock (29 in class), first and fifth hen (79 in class), second cockerel bred hen. The first and fifth hens are the same birds that won last year as pullets. I have also won at Buffalo, Cleveland and many other large shows during the past five years, demonstrating I have been and am producing exhibition quality for I raise all the birds I exhibit. My matings this year will be superior and I can supply your wants in either stock or eggs. Ten grand pens cockerel and pullet matings. Send for mating list. I guarantee to please you in your dealings with me. Write today, mention A. P. J.

**Covert Barred Rock Farm : Willoughby, Ohio**



the whites of six eggs to a stiff froth, the yolks of six eggs until light and creamy, then beat together. Add the beaten eggs gradually to the butter and sugar mixture, alternately with a half cup of flour, three-fourths cup of corn-starch and two teaspoons baking powder. The dry ingredients should be sifted together once previously. Add a teaspoon of vanilla and bake in muffin rings, well buttered. A few chopped nut meats or chopped dates may be added to the mixture if desired.

#### Dropped Eggs in Cream.

By J. C. B.

Place one-half a cup of sweet cream in the chafing dish, and when it begins

to steam, break six eggs in the cream. Sprinkle slightly with salt and pepper and cook slowly for ten minutes. Serve on triangles of buttered toast.

#### Delicious Orange Cake.

By J. C. B.

Sift one and one-half cups of sugar and cream three-fourths of a cup of butter with it. This can best be done with the hands, as the mixture should be very light and creamy. Add the well-beaten yolks of three large fresh eggs and one and one-half teaspoons of orange extract, then add alternately one cup of rich milk and one and one-half cups of flour which has been sifted several times, with one and one-half

teaspoons baking powder and one-half teaspoon salt. When this has been properly mixed, fold in the stiffly beaten whites of three eggs and put in pan to bake, taking care to have the mixture higher around the sides of the pan than in the center. Bake in a moderate oven.

#### Molasses Candy.

By J. C. B.

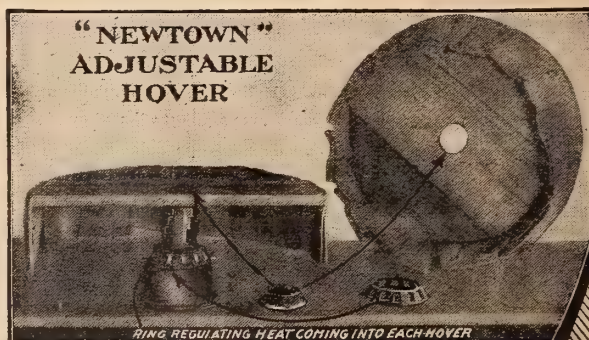
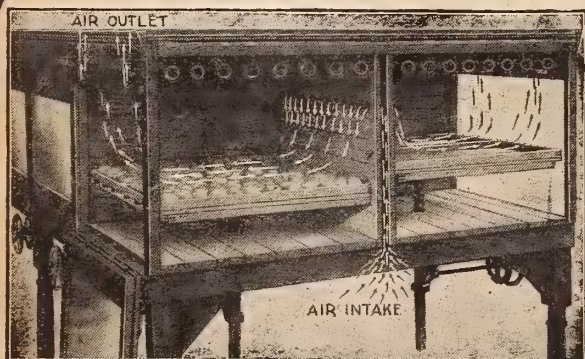
Two cups molasses, one cup sugar, one-half cup butter. Mix and boil until it will harden in cold water. Turn out on buttered plates; when cold enough pull until it is a light yellow; twist it and cut with the shears. This is nice, and will not stick to your hands or teeth.

## Hatch Healthy Chicks And Keep Them Healthy

## Use The Newtown "Giant" Incubator and Brooder

Leading  
Poultrymen  
Are Using

# Newtown "Giant" Systems



### The Newtown "Giant" Incubators Give Chicks Pure Warm Air

"Newtown" Giant Incubators hatch the most chicks with vitality and strength to live, because they furnish proportions of heat, fresh air and moisture as near like those supplied by the mother hen as is possible.

Look at the picture above. See how the pure fresh air is drawn into the top and back of the egg chamber. This fresh air cannot chill the eggs, because it is warmed before reaching them by the heat from the pipes at the top. Gases and impure air escape through the ventilating holes above the door of the egg chamber, which insures the chicks always having oxygen-laden air from which to gain strength and development.

Because of the tightly closed bottom moisture cannot escape, but remains in the air, preserving the liquid part of the egg and aiding greatly in giving the chick its health and freedom.

### Heat Regulated, Top Raised and Lowered in Each Newtown Hover.

In the Newtown Brooding System fresh air is drawn through holes into the pipe box, is warmed by the heating pipes and rises through the radiator of the hover. The temperature is regulated in each individual hover to suit the age of the chicks, by simply moving the cast-iron adjusting ring of the radiator.

Hover top is raised and lowered on the graduated steps of the radiator, giving chicks of different sizes the room they require. Week-old chicks may be placed in one hover, two weeks old in the next and still older ones in another hover.

These special hover features are found only in the "Newtown" Brooding System.

### Other Systems Being Supplanted

The great features of pure, fresh, yet properly warmed air, with just the right amount of moisture in the incubator, and the individual heat and space regulation in brooders, are rapidly causing other systems to give way to the Newtown. The Newtown plan is the key to scientific hatching and brooding. Investigate before you buy.

Write today for Incubator Catalog 1  
and Brooder Catalog A

Newtown  
Producing Co.  
Newtown, Pa. U.S.A.



# Raise Early Chicks Indoors

**POSITIVELY—absolutely**—there is no other brooder that is in the same class with the Cyphers Paradise for successfully raising chickens in the winter time and early spring—doing so with safety, comfort and economy. Every owner of a Paradise Brooder knows this because he has found it out by actual experience. Read the reports below—in brief form—and send to us for more like them.

## Sample Reports From Customers

### Her First Year's Experience

Smyrna, N. Y., Sept. 14, 1912.

Cyphers Incubator Co., Buffalo, N. Y.

I purchased a Cyphers 244-egg Incubator last spring and in three hatches from 625 fertile eggs, I got 553 strong, healthy chicks. When chicks were 36 hours old, I placed them in a Cyphers Paradise Brooder and cared for them in it until they were two weeks old.

I have placed as many as 197 in the base section of my "Paradise," taking care of them there until I could get home-made brooders to put some of them in, although 50 in one compartment were as many as could be taken care of to best advantage. The 197 I left in only part of a day.

The Paradise Brooder is in my opinion the best indoor brooder made. I can care for one hundred chicks in it as easily as twenty-five any other way. I am well pleased with the square dealing and fairness of Cyphers Company. This was my first year's experience with artificial incubating and brooding.

MRS. F. J. ROYCE.



Shows Two Four-Section, Eight-Compartment Paradise Brooders In Use. Sold In Single Sections, If Desired. Each Compartment Holds 50 Or More Newly-Hatched Chicks.

### "Would Have Been Money Ahead"

Kilbourn, Wis., Sept. 6, 1912.

Cyphers Incubator Co., Buffalo, N. Y.

In regard to the Paradise Brooder, I consider it the only truly successful brooder for handling baby chicks in the early part of the season. While it was cold and wet I kept no records of the number run through mine, but don't think that we lost over one-half dozen chicks in our Paradise Brooder during the three months it was in use. We took the chicks from the incubator, the next morning after hatching, put them in our Paradise Brooder and kept them in same three weeks, then moved them to outdoor brooders where they did very well. Expect to install a No. 3 Standard Cyphers Incubator for next season. We expect to equip our place with Cyphers goods entirely as fast as we can. If we had started with Cyphers Incubators, Brooders, etc., we would have been good money ahead.

G. H. PRITCHARD.

### "400 Chicks In 15 To 20 Minutes"

St. Charles, Ill., April 16, 1912.

Cyphers Incubator Co., Buffalo, N. Y.

Replying to yours of the 13th regarding my experience with the Cyphers Paradise Brooder, will say I would not exchange it for any other brooder I ever saw—in fact after using it I would not accept any other make of indoor brooder as a gift, if I had to attend to it myself. With the Paradise I can take care of 400 chicks in 15 to 20 minutes. I can run in just before I go to bed and in a minute's time make sure that every chick is in perfect condition, or can soon make him so. Have kept chickens in it with fine success nearly three months, but realize that the brooder is not intended to hold the chicks that long. Speaking from personal experience I do not believe that there is another brooder in the market that is anywhere near the equal of the Paradise.

C. B. SANDFORD.

### "Very Great Success With It"

Freeport, N. Y., Sept. 22, 1912.

Cyphers Incubator Co., Buffalo, N. Y.

We use your Paradise Brooder and have had very great success with it. I placed all my day-old chicks in it and gradually advanced them to higher sections, according to their age. Have had 75 in each compartment at a time, up to say two weeks. Then thinned them out and now I have quite a number of my pullets laying from my January and February hatches. The birds are fine and handsome and admired by all who see them. We are not selling our pullets because we are raising from 3,000 to 5,000 pullets, our object being broilers and eggs, and so far we are thoroughly satisfied with results from your Incubators and Brooders.

FREEPORT POULTRY FARM,

W. H. Wood, Manager.

**PLACES TO USE:** THE PARADISE BROODER can be operated with success in a dwelling house, store room, stable, poultry building or other structure where the temperature does not go below freezing. It will give excellent satisfaction in any of these locations. No better or more convenient place can be found than near a window in a room of an ordinary dwelling—a south or east room preferred, where the sun will shine in on bright days. FOR DETAILED ILLUSTRATED DESCRIPTION OF the Paradise Indoor Brooder (heated by coal oil stove or by gas) write today for our 1913 Complete Catalogue and Poultryman's Guide, "Profitable Poultry and Egg Production." 244 pages, 7½ x 10 inches, 500 instructive illustrations. FREE on request. Fully describes our more than 100 standard poultry articles for progressive, successful poultry raisers. Address place of business nearest you.

**Cyphers Incubator Company, Dept. 705 Home Offices, Buffalo, N. Y.**

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23 Barclay St.

BOSTON, MASS.,  
12-14 Canal St.

CHICAGO, ILL.,  
329-331 Plymouth Court

KANSAS CITY, MO.,  
317-319 Southwest Blvd.

OAKLAND, CAL.,  
2127-2131 Broadway

LONDON, ENGLAND,  
121-123 Finsbury Pavement



# NOTES FROM ENGLAND

CONDUCTED BY

MISS CAREY, TOYNTON RECTORY, SPILSBY, ENGLAND



## THE OUTLOOK FOR THE POULTRY FANCY.

FROM all sides comes the story that 1912 has not been one of the best years on record among the majority of poultry fanciers abroad and at home. In America the intense cold of the early spring proved to be the undoing of many broods of early chicks, and England suffered greatly from a long, wet dismal summer, the worst on record. This spoiled the corn crops in many parts of the country, which in turn raised the price of food stuffs and depressed trade all over agricultural areas. A pronounced labor unrest, together with the increased cost of living, has had a marked effect on the amount of money at liberty to be expended among those who hitherto ran poultry largely as a hobby, and in consequence many exhibitors could not afford the advertisement of a good win and had to be content to show a few of their best birds or to leave the exhibition alone for a season.

But once again, already, is the pendulum on the return swing, as depression of this kind rarely lasts and with the coming of 1913 fresh and brighter prospects seem to be in the air. It rests largely with the vast body of fanciers themselves to pull matters around to their former briskness and prosperity.

It should not be lost sight of for one moment that the poultry industry is one of the largest of the great natural industries of each country, that on the egg yield depend vast hosts of the population for a great deal of the cooked food and manufactured foodstuffs, and

that the egg market of any country is never likely to decline. Few countries with a large population can cope with the demand. Millions of eggs have to be imported into England each year to supply the market and as long as a market is good there must be a permanent demand for stock birds and, above all, for good winter layers and good table fowl.

In order to be a successful poultry farmer two things are essential: first to have a breed that can and does produce one of the highest egg records in the country, especially during the winter months when eggs are high, and a breed that can at the same time give you in the cockerels hatched one of the finest table birds and then to go out and back your breed by facts before the world, not as individuals alone, but shoulder to shoulder with all fellow-fanciers in the same variety. It is largely for this object that our clubs are formed. It did not take long for fanciers to realize that individual effort in keeping a good breed before the public notice was usually too expensive, but that by throwing small subscriptions into a common pool, a fund of several thousand dollars could be quickly raised with which, backed by a force of determined men with a good article in their hands, no limit could be put on what they might accomplish.

Here and there from time to time we find a breed waning slightly in popular-

ity and trace the cause. It may prove perhaps that the breed is only adapted to laying and can only show profit on one side of the account, but if it is a good all around breed, one with a double string on its bow as an egg producer and good marketable bird, one has usually to look to the club as the cause of decline or to the breeders themselves. It may be they have during a time of unusual success grown careless in their efforts of popularizing the breed, for nothing tends so easily to more certain ruin than too much success, unless those responsible are ever looking ahead rather than to the immediate gain of the moment. In such cases prompt measures by leading breeders will usually result in pulling depression round by some big movement.

The fact that some breeds are favorites with many of the most prominent breeders of the day the world over, is proof sufficient of merit which makes popularity, since hard-headed men of business do not take up a useless article as a rule and place money to the extent that money has been put into the popular varieties unless they see something in the innate qualities of the breeds that are bound to last and hold out through any temporary spell of depression in trade and regain its own against any short boom or purely fancy article. The only class of boom that breeders need to guard against are those on breeds that have been in existence many years and had once a short popularity quickly lost and then again years after brought to the front and boomed once more. Look at the past history of a breed on the boom, and it is not difficult to foresee its future.

## CROWTHER WINS AT CHICAGO

AGAINST THE BIG BREEDERS OF THE EAST, SOUTH AND WEST

In two of the great Chicago shows we have won second, fourth and two fifths on cocks; two firsts, fourth and fifth on hens; first on cockerel; first and fifth on pullets; first, second, third and fifth breeding pens; best color on male; best shape on male; best color on hen; best shape on female twice. Our 1st prize hen of this year, the greatest S. C. hen in the world. Write for our free mating list, it tells the story. Please mention American Poultry Journal.

**Ira M. Crowther : Box A : Willoughby, Ohio**



## GREAT CHICAGO WIN

The only exhibitor in Black Orpingtons to win on cock, hen, chl. pullet and pen. Not one good bird, but many. We won on both old and young birds on males as well as females. It will pay you to consult the SPECIALIST for your wants. Don't fail to write for

### Our Grand New Catalog

Every statement guaranteed. Price list complete on both eggs and stock. Get a start with our great Winter layers; they will please you. Ten pens of choice stock already mated for the egg trade. Write now, and remember our catalog is free.

**Blue Ribbon Poultry Farm, Box A, Columbus, Indiana**



## GOOD TO KNOW

by C-W Zimmer

Happy New Year.

Turn over a new leaf.

Remember it is now 1913.

Well begun is half done; start right.

We wish you a prosperous year and trust A. P. J. will be the means of assisting you in this prosperity.

The Chicago show was the quality show of the west.

Reese V. Hicks, S. T. Campbell and T. E. Quisenberry were some of the prominent officials of the A. P. A. who attended the Chicago show.

Detroit seems to be the popular meeting place for the A. P. A. convention in 1913.

E. W. Groves, Clayton, Mo., had a grand exhibit of White Leghorns at the Chicago show, where the sprightly Leghorn was out in all her glory. Three hundred and fifty-five birds, each one conditioned and groomed into the pink of condition. To win a place here was indeed an honor and Mr. Groves captured three first prizes and several other places. He issues the handsomest catalogue ever published by any breeder, for which he charges fifty cents. It is well worth the price and if you are interested in Leghorns you should send for it.

Sunswick Poultry Farm, South Plainfield, N. J., are concentrating all their

efforts to producing Quality Buff Orpingtons and Buff Orpington Ducks. In order to supply the demand for baby chicks and ducklings they have recently installed a mammoth incubator.

Frank E. Hering, South Bend, Ind., exhibited some exceptionally fine Silver Campines, winning first cock, first pullet, second hen, on three entries. These birds were pronounced as "ideal" by competent judges. Mr. Hering is fortunate in owning three such fine specimens of this variety in which good birds are scarce.

Robert D. Parmenter, Knoxville, Ill., had some fine White Leghorns at Chicago Show and won consistently, all along the line, winning more points than any other exhibitor; also special for three best cockerels.

Star Egg Carrier and Tracy Mfg. Co., Rochester, N. Y., had an attractive exhibit at the Chicago Show. They had among other novel and practical devices a board box for shipping baby chicks, which is so arranged as to make it impossible to smother them, and at the same time they get plenty of ventilation without draft. This shipping box will interest every one who ships baby chicks.

Among the many prominent breeders that attended the late Chicago Show were the following: Jno. Arnott, of Sunswick Poultry Farm, South Plainfield, N. J.; W. D. Holterman, Ft. Wayne, Ind.; Chas. G. Pape, Ft. Wayne, Ind.; Dr. Smith, of the Iowana Farms, Davenport, Ia.; Mr. Aldrich, Sr., of the Aldrich Poultry Farm,

Columbus, Ohio; Chas. A. Sweitzer, Cleveland, Ohio; H. T. Marshall, Serena, Ill.; Truckenbrod Bros., Mendota, Ill.; A. C. Hawkins, Lancaster, Mass.; Maurice Delano, of the Owen Farms, Vineyard Haven, Mass.; Besuden Bros., Cincinnati, Ohio; Geo. H. Rudy, Mattoon, Ill.; N. P. Easling, Pekin, Ill.; Robert I. Parmenter, Knoxville, Ill.; E. W. Groves, Jr., St. Louis, Mo.; A. E. Martz, Arcadia, Ind.; D. M. Covert, Willoughby, Ohio; Guy Daily, Jeffersonville, Ind.; Chas. V. Keeler, Winamac, Ind.; H. B. Hark, of the Sheffield Farms, Glendale, Ohio; F. E. Harrison, Menominee, Mich.; Ira M. Crowther, Willoughby, Ohio; Eugene Smith, Aurora, Ill.; W. C. Pierce, Carmel, Ind.; Carl D. McCarthy, Kempton, Ind.; T. C. Cleveland, Morgan Park, Ill.; Carl Carter, Columbus, Ind.; W. Etzenberger, Willoughby, Ohio; G. Earl Hoover, Mathews, Ind.; Prof. Stoneburn, Philadelphia, Pa.; Harry M. Lamon, of the Bureau of Animal Industry, Washington, D. C.; Robert H. Essex, Buffalo, N. Y.

### Bourne "Bignum" Poultry Band

Just out for poultry; great success for pigeons.



Patent applied for.

Send for free sample and trial offer. Number shows ten feet away, best band out. First to use numbers you can see. Numbers from 1 to 100 in white, pink and light blue backgrounds. Sizes for Bantams, Leghorns, Rocks and Reds. State Size wanted.

Bourne Manfg. Co., Box M, East Saugus, Mass.

### THE FAMOUS "IDEAL" TRAP NEST

Shows which hen laid the egg! Most efficient; easiest to install and operate. Progressive poultrymen everywhere use them. Practical for you or your money back. No watching! No freight! No freight! Plans, Traps, Bands, Record Sheets. Write now for prices and proof.

F. O. Wellcome, Box J, Yarmouth, Me.

## COLEMAN'S "SOVEREIGN" BLACK ORPINGTONS

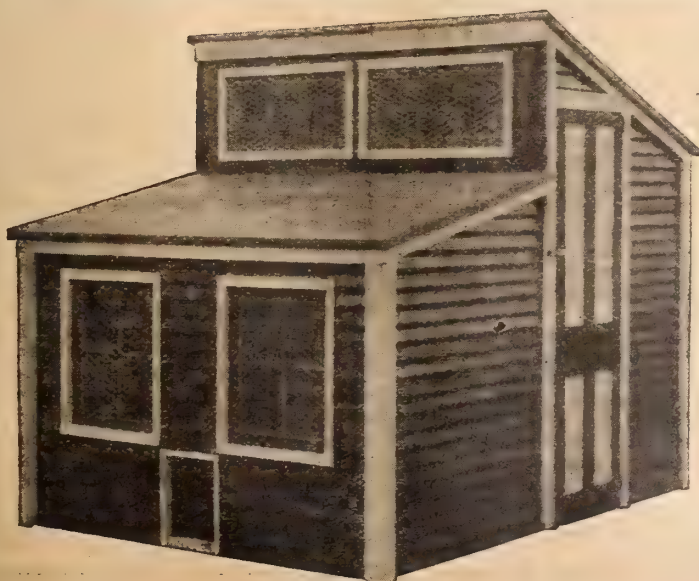
THE FOWL FOR KINGS

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ORPINGTON JUDGE

LEXINGTON, OHIO



## This House

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6 x 8 feet, \$25.00

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# The Darlington Laying Houses

By Alfred P. Edge

**S**O MANY have written asking for a detailed description of the Laying Houses as described in the April issue of the Item that I concluded the quickest and easiest way of reaching the most readers in the shortest time would be to use the columns of American Poultry Journal. I do not wish any one to think for a moment that I have the best and only house suitable for the purpose, but I do want every one to know that I think I have—that don't sound a bit stuck up, does it? And before concluding, will try to tell you why I think so.

The house I use is 160 feet by 16 feet. I prefer this size, it is necessary to load and unload at each end of house and it makes a pretty long carry. Again, this size will comfortably house 1,500 laying hens, I would not advise carrying more than this in one flock. Never carry all your eggs in one basket—the handle might break.

The great aim of every egg farmer

stuff, on this lay cheap building paper to close cracks, on this your second floor, one-inch barn boards will do; use will make it as smooth as you want. The last floor runs lengthwise of building; now you have a complete solid platform on which to build your house proper. Set up your studding on your floor, mine are 5 feet back and 7 front, this regulates the height in the clear, also pitch of roof. Make it what you prefer, as I am a little fellow, this suits me. Some of my visitors have to stoop, but that is their lookout.

On the studding lay your plate. I use same size stuff for plate as I used for the studding. On the plate comes your rafters. I had plenty of 3 by 6, but 2 by 10 will do. Sheathe on your rafters, sheathe back and ends from ground up, cover back and ends with 1-ply roofing, letting it come up on roof, say, 3 inches. The sheathing finishes flush at back with no overhang of roof. Use 2-ply on the roof and let it come

sing it. Say it after me. ALL THE AIR POSSIBLE, BUT NEVER A DRAFT. That's right, I never told you a truer thing.

The dropping boards are 3 feet from floor. The perches are built on movable runners, 5 inches above the boards. This prevents the hens from running on boards and soiling a nest full of eggs. The perches hook up to the roof for convenience of cleaning.

Even if your mother-in-law wants glass windows and wants to pay for them, be firm, NEVER have a glass window in the laying houses. The lower story or basement is used as a winter run and the front is covered with 2-inch mesh chicken wire. They get into the lower story from four openings in the floor under the outside edge of the dropping boards. These openings are 2 by 3 and are boxed in 10 inches above the floor to prevent litter from falling through. Here the hens have a warm place for exercise in the winter and you will find they are traveling up and down all day long. It also adds to their floor space. With the 9-foot partitions every 20 feet you have a 7-foot passageway down the whole front of house. It is a good plan to box in your two end doors, so that when the door is left open the birds cannot get out.

My watering arrangements are simple and a great labor saver. Make a 6-inch rain spout and set it up level, supporting it on your studding at front of house, about 2 feet from floor, this prevents litter from getting into it. Run a small platform under it the right height for hens to drink. Have both ends of trough closed and at lower end have a small opening to empty through floor, closed with a plug. In the morning fill trough and your 1,500 birds are watered in 5 minutes for the day. At night take out plug, run a broom through the spout and it is clean for the next day. My first spout was of tin, but mixing chemicals in the water soon ate it out, and it is now made of copper. Compare this with your 8 gates, 8 pens, and 8 water vessels, to be cleaned and filled each day and tell me where is that "Clam!"

Now what are the advantages of this kind of a house? In the first place, you can carry several hundred more hens in the same house; one man can take care of many more birds in the same time; you have a much drier house than where it is on the ground level and if roup ever gets amongst your birds you will appreciate this. If you want to realize the truth of this, go into your lower story on some ugly day and compare the temperature and humidity with that of the upper. The dropping boards are cleaned every day; it becomes a simple operation in this kind of a house. The boards are cleaned into a barrow which is wheeled from end to end and at the lower end of each house is the manure pit where it is dumped. No gates to open, nothing to interfere. So it is with all the operations necessary in the house.

What are the disadvantages? I know of but one. Difficulty in cutting off an ugly southeast wind from sweeping through your house, but the partitions every 20 feet, running out into the house prevent this in a great measure, also the 3-foot closed solid from floor up, in front. There come days when it is necessary to close your muslin frames in front at lower end of house. Here is where you are expected to use your brains. The reason you can carry



Type of laying house on the Darlington Egg Farm, Alfred P. Edge, Proprietor Box B, Darlington, Md.

should be to economize as much as possible in his labor bill. Many egg farms that have proved a failure, I believe if the truth were known, could trace their fall to their labor bills. Therefore make all your arrangements so one man can care for the greatest possible number of birds, put in every labor saving device that does not cost too much. Understand this article is written for the beginner, I do not care three cents for you old "hacks" who know it all, or think you do. I would rather be the means of saving some beginner from making a costly mistake than—well, than to run on the same ticket with even "Teddy"—now you know my politics.

The finished house has no gates, no pens, all is open from end to end. In building, the first thing to do is to set two lines of posts, 3 feet in the ground, 8 feet apart, these carry the house and are cut to line, say, 5 to 5½ feet high. On the posts are laid sills, about 3x4, on sills lay first floor cross-ways, a girder should run down middle of house lengthways, this is supported on posts resting on flat stones. This is simply to carry spring of floor, it saves the need of expensive joists.

The first floor can be any old rough

down the back 3 inches which closes the joint from any possible draft from the northwest.

You now have a completed shell that is tight and warm save the front, which is due south. Close up front solid from floor to such a height as to leave a 3-foot opening the whole length at top. I close both corners solid to the roof for about 6 feet at each end to stiffen building. Hang 3-foot frames, 9 feet long from plate, hinged to same and opening in and up. These are covered with muslin. The amount of open front must be regulated by your climate. Last winter one night here it registered 16 deg. below and several nights were 6 deg. below. My whole front was of muslin frames and I did not have a frosted comb.

At every 20 feet run a solid partition out at least 9 feet into the room. This is to cut off draft lengthwise as in a long house it becomes a regular funnel for draft. This is the great objection to a long house with birds in one flock. Remember a draft is fatal to your birds and must be guarded against at all times. Give them all the fresh air you can without draft. I will say this again before I am through and if I cannot make you believe it that way, I will



so many hens in this house is that though they have a limited floor space per hen, yet each hen has the use of the whole 160 feet. Do not make the mistake and think that because the 160 feet is room enough for 1,500 hens that 80 feet will be ample for 750, as it will not. Now I hear one of your old steady standby's say, "You can't get as many eggs per hen from your large flocks" as you can from your small flocks. (Noah said that first.) Well, suppose you can't, how many more eggs must you get to pay that extra man you have at \$30 per month?

This house takes about 25,000 feet of lumber, but when it is done you have something to show. If you don't need 160 feet now, make it less and add to it later. One word more: If at any time I can be of service to a beginner, remember all roads lead to Darlington, where advice is free and you will see a strain of S. C. White Leghorns second to none.

In conclusion, let me say to the beginner, look after your breeding house. This is the most important branch of your farm. Make it right and everything will be right, and above all things, carry your breeders on range. What was it I told you sometime back?

Listen: ALL THE FRESH AIR YOU CAN GET, BUT NEVER A DRAFT!!

### THE ST. LOUIS SHOW.

The St. Louis show which was held at the Coliseum brought to that city the finest lot of birds ever exhibited there. It was the best show ever given in St. Louis due to the hard labor of Henry Steinmesch, T. W. Orcutt, W. W. Henderson and E. W. Grove, Jr.

The B. P. Rock class was very strong, 74 birds being on exhibition. W. W. Henderson, Bridgeton, Mo., won four firsts and several seconds and thirds.

White P. Rocks, 39 birds shown; very strong class also.

Buff P. Rocks, 51 birds shown. Thos. B. Elliott, Wellston, Mo., won most of the firsts.

The Silver Wyandottes were the best ever shown in St. Louis. A. & E. Tarbox, Yorkville, Ill., won 4 firsts, 4 seconds, several thirds and fourths; also several silver cups and 22 other specials.

Columbian Wyandottes, E. Schaaf, 3126 Leola Ave., St. Louis, won most of the ribbons in an entry of 41 birds.

S. C. Rhode Island Reds were strong—E. W. Mahood, Webster Groves, Mo., won 3 firsts.

S. C. White Leghorns were the largest class, 86 birds on exhibition. E. W. Grove, Jr., won 1st cock, 1st hen, 1st pullet, 1st pen, and several seconds and thirds.

S. C. Brown Leghorns were not as strong as in former years, however, the quality was better than ever shown before. Rosemont Farm, Webster Groves, Mo., won as usual most of the prizes. Their first hen, "Missouri Queen," is the best brown Leghorn hen we ever saw.

Among the prominent visitors were Wm. Miller, Crescent, Mo.; Mr. and Mrs. Robt. T. Brown, Springfield, Ill.; George Hartley, Newton, Ill.; Mr. and Mrs. Elmer V. Shultz, Webster Groves, Mo.; Wm. Chamberlain, St. Louis, Mo.; Mrs. C. H. Wilhite, Greenfield, Ill., and Mrs. Kelly, of Whitehall, Ill.

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R. F. D. 7, MANSFIELD, OHIO

OCULUM increases egg yield 20 per cent; a free trial; ad page 116.



# Here's the Way

## Duston White Wyandottes Win

Dear Sir:—The young man captured first prize in his class and was against a strong entry. He is very fine and we are well pleased with him. . . . of your state had several entries, Wyandotte cockerel included, and took second to our bird. Our bird was much the better bird, being way ahead of the . . . bird which would not have captured even second had it not been for his plumage, etc.

Dear Mr. Duston:—You may be surprised to know that I won at . . . every first in the class which was as follows: 1st cock, 1-2-3 hen, 1-3 cockerel, 1-3 pul., 1st pen and silver cup for best pen in the show.

### AND PLEASED WHEN RECEIVED

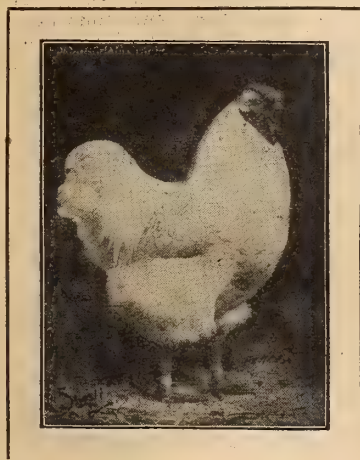
Dear Sir:—Received the pullets o. k. I am perfectly pleased with them and thank you much for the excellent selection you made for me. They are much nearer to standard requirements than any pullets I ever saw and I have certainly seen a few, etc.

Dear Sir:—The birds arrived in good shape and I am well pleased with them. Kindly accept thanks for your excellent treatment. I consider the cockerel a bargain, etc.

Dear Sir:—I wish to extend my thanks to you for sending such good birds. They are very satisfactory and much better stock than I expected to get. But I knew I should be well treated as I had a sample of your fair dealing before. After thanking you again for the good birds, etc.

### AND ARE GREAT LAYERS

My Dear Mr. Duston:—You are at liberty to use any part of this letter you please. Sorry, I could not complete year at old stand (party moved from Massachusetts during the record), the record for the fourteen birds is 190, 161, 250, 205, 170, 206, 200, 180, 175, 127, 140, 135, 130, 170, average 174. (I sold these pullets to the Fal and why some were so far behind, I do not understand unless later hatched Duston.)



Dear Mr. Duston:—I was down to the . . . show last Thursday, I won there 1st cock, 1-3 hen, 1st cockerel, 1-2 pullet and 2d pen, won gold special for best exhibit of Wyandottes, all varieties competing. Wouldn't give my 2d pen for the 1st for \$25.00 difference, etc.

### AND BREED WINNERS

Dear Sir:—Perhaps it will interest you to hear what I have done with the cockerel and eight pullets I purchased from you early this year. We are having our show this week and again had Judge Tucker. I won 1-2-3 pullets and 1-2-4 cockerel. Cock and hens in moults, so couldn't show, etc.

### AND EGGS SOLD PRODUCE WINNERS

Dear Sir:—I am very pleased to inform you I have had great success with your stock winning in strong competition 7 firsts, 5 seconds, 5 thirds, 4 fourths, 1 fifth and four cups for best collection this year. There is no doubt you can supply the stock to beat any you can get, etc.

Now, friends, these are all features you are looking for in your flock. Are you getting them from the one you have? Are you just starting? You want to start right for it's easier to start right than get right after a wrong start. Remember it's the specialist that knows the breed and how to produce the quality. Remember I am the original White Wyandotte man, and have for years produced winners for the whole broad land. Remember, and this is worth considering, you can only buy from me birds of my own raising or raised especially for me. Remember it's quality I want (and you want, too) let the "other fellow" do the "any old thing." If it's crackerjack stock you want on all the strong lines mentioned above send to me for I have the grandest stock of old and young I ever had. Send 15 cents for beautiful and helpful catalogue to the breeder that has made possible the world's best flock. Please mention American Poultry Journal when writing.

Arthur G. Duston, Box 1020, South Framingham, Mass.



OCULUM grows the finest fowls you ever saw: a free trial; ad page 116.

### ARMSTRONG'S S. C. REDS

My young stock are showing more uniformity of type and color than ever before. Mention A. P. J. R. I. Armstrong, 1054 Sullivant Avenue, Columbus, Ohio

### ONEIDA

Indian Red Strain R. I. Reds. Stock is farmed. Some choice exhibition and breeding birds. Large catalog free. Write F. E. Gilbert, R. 4, Lansdowne, Pa.

### SHOW BIRDS

of the highest type in the famous strain of Congo Black and White Orpingtons. For further particulars and prices, write F. E. Gilbert, R. 4, Lansdowne, Pa.

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### SINGLE COMB WHITE

## LEGHORNS

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Robt. T. Brown, R. 4, Springfield, Illinois

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"Profitable Poultry." Finest published, 128 pages practical facts, 180 beautiful pictures. Tells how to breed, hatch, feed and market by latest improved methods. All about world's famous Runner Ducks and 52 other pure-bred varieties. This 50-cent book and lowest price list of best fowls, eggs, incubators, supplies, etc., only 5 cents.

Berry's Poultry Farm, Box 115, Clarinda, Iowa

## Stenz Single Comb White Leghorns

Cockerels—Selected Breeders - \$5 and \$8  
Pullets—Laying daily - \$3 each  
Pens—4 pullets or hens and unrelated cockerel - \$15 select

Hatching eggs from 20 yards now booking orders. We have a reputation for shipping only quality stock.

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Fond du Lac, : : : Wisconsin



## R.C. MINORCAS

First prize winners New York, Chicago, St. Louis and elsewhere. Trap-nest bred for egg production. Stock and eggs for hatching, at all times. Catalogue free.

G. A. Clark : Seymour, Ind.

### OXYGEN AS APPLIED TO ARTIFICIAL INCUBATION.

THERE was a time away back in the dim and foggy past when the United States mail was carried in a stage coach. In those days it required ten days to get a letter from Washington to New York. It is not so very many years ago that Alexander Graham Bell, who claimed that he had invented the telephone, was called a fakir, and his telephone a fraud. Within the memory of many who will read this article was the time when those who predicted the horseless carriage were characterized as hopelessly insane.

It is not so long ago but that we can all remember it when people engaging in the poultry business were told that to insure getting eggs in winter they must keep the poultry house air tight and artificially warmed.

All this is now past. Science delving deep into the unknown and supposedly unknowable has made wonderful strides in nearly every field of human en-

school of experience that fresh air is absolutely indispensable in the successful keeping of fowls.

Now, what is air? As defined by the International Encyclopedia, "Air" is a "mixture of gases known as hydrogen and oxygen, 79 per cent of the former and 21 per cent of the latter. With these is also found in small quantities carbonic acid gas, helium ozone, etc." The life giving and life sustaining property is oxygen. It is a well known medical and scientific fact that when the oxygen content of the air we breathe falls below 21 per cent all animal life must suffer. It is oxygen that makes combustion possible. Without oxygen in the air a candle or gas light will not burn. It is through oxygen as a combustible agency that the waste products of the human system are consumed. If you wish to experience the results of a lack of oxygen in the air, shut yourself in a small, tightly closed room for an hour. If you wish to note the results of an abundance of oxygen, observe the bright eyes and red cheeks of your

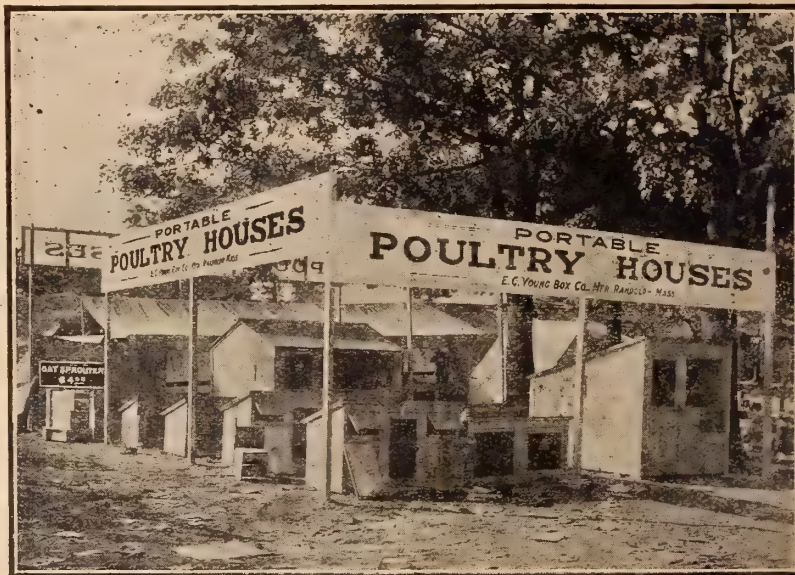


Exhibit of the E. C. Young Box Co., Randolph, Mass., at the Brockton Fair.

deavor, and of course the end is not yet. My dear reader, do you recall your thoughts when you first heard suggested the "curtain front fresh air" houses for poultry? Did you not look upon the suggestion with much credulity, and didn't you say "tommy rot" or something along that line?

I did, and I personally know of scores of good people who said the same thing, and perhaps more forcefully. It seems to be a human characteristic, which knows no denying, that we only believe those things that human experience has taught us to be true. It may be well that this is so, else would we often find fraud flourishing at the expense of a too confiding public.

The poultry industry has not been overlooked by those engaged in scientific research. Incubators have come. They have been vastly improved and without them the poultry business would be in a bad state. We have scientifically balanced rations for our fowls. We know better than ever the value of all poultry foods, and the constituent elements of the egg. Better than all we have learned, through the

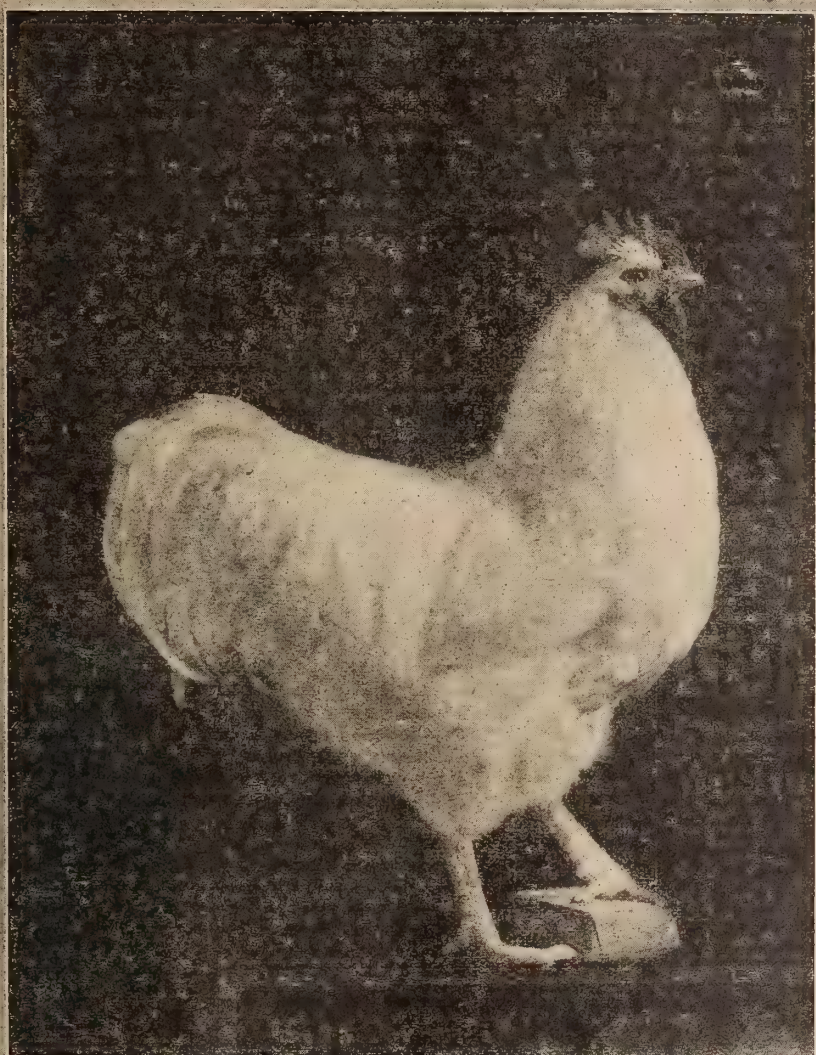
children as they come in from play. If you wish to observe the power of oxygen, watch the results as it is being administered to a patient in the very last stages of dreaded pneumonia. If you want to see the effect of oxygen upon your poultry, go into the curtain front, fresh air house on a cold winter's morning, when the hens are hustling for the morning meal. Snappy, bright eyes, red combs and healthful activity sparkling from every feather tell of a bodily vigor that only comes from an abundance of the life giving oxygen.

With this introduction to the subject of oxygen in general, let us pass to the subject of oxygen as applied to artificial incubation. To begin with, if I could have ten cents for every "dead in the shell chick" taken from my incubators during the past twenty years I am sure that it would make a right snug sum of money. As human experiences are much alike, I believe it a fair statement to make that the money lost to the poultry industry every year through the "dead in the shell" route would run into the hundreds of thousands of dollars. Further, I believe it



a fair statement to make that these losses constitute one of the very greatest drawbacks to successful incubation today. By successful incubation I mean the getting a good big, strong, vigorous chick from every egg in the incubator that on the 15th day shows a fully developed embryo. I am assuming, and I fully believe, that all incubators are good incubators. In this day of development there is not very much difference in any of them in the results that may be secured. I do know that I can put 15 eggs under the good old hen that show 15 fully developed embryos and on the 21st day I will

last two or three days of incubation. You know how you have turned and cooled those eggs with much care from the 3rd to the 18th day. Then you close the door of the incubator and keep it closed until the hatch is complete. During the last three days those baby chicks are trying to break their way into the world. The activities consequent upon their expulsion from the shell has been developing large quantities of carbon dioxide. This is but another name for carbonic acid gas. Confined in a space say two feet square and ten to twelve inches deep are those 140 little fellows working like beavers



There is no prettier sight than a flock of fine White Plymouth Rocks on the velvety green background of a fancier's yard, and when this flock consists of over 1,000 of the highest grade birds of this variety then this sight becomes an unexcelled treat for the eyes of the observer. The above illustration, made from absolutely unretouched photo, shows to perfection the magnificent type to be found in Mr. Halbach's birds. It was an easy matter for this bird to win first at Detroit, 1912. Persons interested in White Rocks will do well to send for his fine catalog. Address H. W. Halbach, Waterford, Wis., Box A.

invariably take off 15 good strong chicks. I also know that I can put (and often have) 140 eggs into my incubator that on the 15th day show full development and on the 21st day find to my sorrow from 15 to 40 per cent of them "dead in the shell." If you will but give this fact a moment's thought, you will be at once impressed that there must be a cause for this condition. There is a reason. It is nothing more or less than a lack of oxygen in the egg chamber during the

to get out. The only air that gets into that egg chamber is that which passes up through the cylinder that holds the lamp, and from that there is a certain amount of the oxygen that is burned out. Such as does get into the egg chamber is not sufficient to diffuse the carbon dioxide with which the egg chamber has become filled, allowing the oxygen content of the air in the egg chamber to often fall as low as 15 per cent. Under these conditions carbon dioxide poisoning takes place, hence the

**MORRIS' COLUMBIAN WYANDOTTES**—With fine head points and shape and fine colored black wing feathers and tail with fine lacing and tail coverts. 100 choice breeders and exhibition birds to sell. Have won at Cleveland and many other large shows. Write me your wants. L. J. Morris, Oberlin, O.

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I have raised a grand lot of young stock from my Madison Square winners, and can fill your wants in show or breeding birds. A pen mated to produce winners for \$25.00. Wonderful cockerels \$5 and \$10. Write me your needs.

**Henry D. Riley, Box B, Strafford, Chester Co., Pa.**

**QUALITY SILVER LACED WYANDOTTES**

Seven years in succession the N. Y. State Fair Champions. Leading winners at Madison Square Garden. Unexcelled layers. Circular free.

**LeRoy W. Seigfried, Rte. A, Waterloo, N. Y.**

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You need the **Keystone Poultry Journal**, a magazine published at 60 Waterview Road, Beaver Springs, Pa. Only 25c per year—5c per copy. Four months on trial, 10c. Established 1908. The "Journal," one year and your name in our Breeders' Directory four months for 25c. State name of your breeds.

**GREENAN WHITE WYANDOTTES**

Have made a record in the hottest shows in the land. At Port Huron 1912 they got ten regular prizes; made a clean sweep on cockerels, 1st, 2d, 3d and 4th; had 1st and 3d cockerels 1911. At Detroit, January, 1912, I got four prizes. My first pullet was called without question the finest ever shown. It will pay you to get my circular and prices before you buy.

**J. B. Greenan :: Deckerville, Michigan**

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Courses for actual and prospective farmers, in country, village or city, whether you own a farm, garden, city or suburban lot, or expect to. A safe way out for city man longing to get back to the farm. More profits for the farmer. Faculty 23 leading experts. Students in every state. Just the opportunity you have been wanting—**TO LEARN SCIENTIFIC FARMING AT HOME**. FREE sample lesson on request. (No agents). Send today for temporary low rate.

**American Farmers School, 277 Laird Bldg., Minneapolis**  
(Original and Largest Correspondence School of Agriculture)



"dead in the shell" chicks when the hatch is complete. If further proof is wanted as to the existence of these facts, we have but to read the Bulletin of the New York State College of Agriculture, published in December of last year. They say "Oxygen is essential to normal development, the amount increasing with the growth of the embryo. The eggs give off large quantities of carbon dioxide, and this increases as the embryo grows." Stand in front of the incubator when the hatch is progressing and note the panting of the little chicks. They are saying as plainly as though they were shouting it through a megaphone, "Give us air, give us oxygen." As soon as the hatch is completed and the ventilators are opened wide, note the difference. The panting ceases and the chicks lay down to rest after a hard struggle for existence in that poison laden atmosphere.

In that dreaded disease with which human beings are often afflicted, known as Bright's disease, the medical world says that death results by reason of the fact that the uremic poisons in the system are not carried off by the secretions. So I believe we may safely trace the death of little chicks from white diarrhea to the accumulated carbon dioxide poisons that accumulate in the system during the last two or three days in the incubator. In my twenty years of experience in the poultry business I have never known a real case of white diarrhea in chicks that had been hatched under and raised with the hen. I believe, therefore, that "dead in the shell" chicks and white diarrhea are directly traceable to the conditions that prevail in the egg chamber of the incubator during the last stages of incubation.

Surely carbon dioxide is a poisonous gas under the conditions that are found in the incubator, and all animal life must suffer to a greater or less extent when subjected to those poisonous fumes for several days, as little chicks are.

In the spring of 1912 my attention was called to the advertisement of a concern that are making an oxygen vitalizer.

The claims made by the manufacturers were so strong that I could scarcely believe them. I bought the vitalizer, however, and used it. To my surprise and very great pleasure I found it would do all and more than was claimed for it. I found that the chicks came stronger where the oxygen was used and that after the chicks were out there were no signs of white diarrhea. Chicks grew like weeds from the very start, and in fact I secured the best hatch that I ever had, notwithstanding that 1912 was the worst year that I have ever experienced in the poultry business.

As a result of my experimental work I have become fully convinced that the only safe way to avoid the losses that come from the "dead in the shell" chick route, and from white diarrhea, is to use the oxygen treatment. The oxygen vitalizer for baby chicks is only another name for the fresh air poultry houses in which we get such excellent results with our adult fowls.

I am certain that the spotlight of science has found a way to stop the losses that we have all suffered in the

hatching and raising of little chicks. Let the good work go on.

(Signed) Ora Overholser,  
In charge of the Experimental Poultry  
Yards, Eaton, Ohio.

#### TIGHTEN UP THE LOOSE SCREW.

Dr. H. F. Ballard.

I AM glad my article on the "Loose Screw" has attracted attention. I have read all the comments with much interest, but so far without finding one that accounted for the "milk in the cocoanut." I firmly believe it cannot be accounted for. People will answer ads just out of curiosity and we will have to put up with it. I believed all this when I first wrote.

What I wanted to bring out, though it seems I have not succeeded very well, was the fact that no breeder can be at all this needless expense and sell good birds at \$1, \$2 or even \$3 each. These breeders who are doing it are doing so at a loss, and I believe they always find it so, sooner or later, and then they either raise their prices or quit the business, most of them the latter.

How many names of breeders that we saw in the ad pages of the journals ten years ago do we see now? Not 10 per cent! They have become disgusted and quit and their places have been taken by a large number of new—I was going to say "suckers," but that is putting it too ridiculously strong. I believe they do really expect to make a success of it when they begin, and I

OCULUM lessens poultry troubles 50 per cent; a free trial ad page 116.

# Biggest Incubator Bargain of the Year

60-Egg Capacity—Made by the  
Prairie State Incubator Co. Only

**\$8.00**

Think of it! Here is a high grade hatcher, made by one of the oldest and best known incubator manufacturers—in the **LARGEST, NEWEST and BEST EQUIPPED** incubator factory in the world—by a firm who have been "at it 30 years"—for only \$8.

It is built entirely by machinery—every part being perfect—no hand or guess-work about it—thus the highest degree of efficiency is obtained at lowest possible cost.

## No Better Incubator at Any Price

**CASE** is double with cotton batting insulation. Outside is clear Cypress, inside is also wood—not paper, card board or other cheap material as in most low priced machines.

**HEATER** is new design, absolutely gas tight, solderless, all joints double seamed—practically a one piece heater that can never leak smoke into egg chamber. A better heater can not be had in any other machine at any price.

**LAMP** is fool-proof, self-centering with positive clamp. No springs—no adjustment—always fits in place. Can't smoke—always gives clear, bright flame. Easy to keep in order.

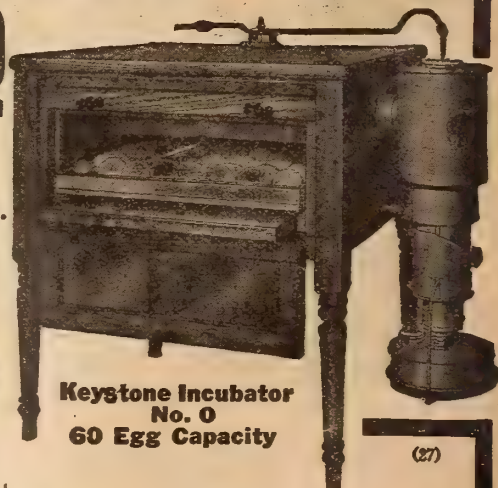
**REGULATOR** is a powerful, accurate steel and zinc thermostat with toggle joint. Nothing better ever invented—nothing cheap and flimsy about it.

**SAND TRAY**—the triumph of incubation—the method of providing humidity that insures "chicks that live." Don't buy an incubator without this important feature and expect to hatch the most "livable" chicks. Covers entire bottom of machine, providing plenty of moisture at all times under all conditions.

## PRAIRIE STATE INCUBATOR CO.

50 Main St.

HOMER CITY, PA.



Keystone Incubator  
No. 0  
60 Egg Capacity

## You Can't Make a Mistake

in buying this high-grade, low priced machine. It is built on the famous Sand Tray Prairie State hatching principle—in fact is a small size Prairie State machine, thus insuring the operator not only the highest per cent hatches, but the **most chicks that live**. Our reputation is ample assurance we would not put out any but the best. Write today for pamphlet fully describing this "Biggest Incubator Bargain of the Year."



am perfectly free to say it is generally their own fault when they fail. So you see, friends, I have opened up a pretty big subject. I intended to when I wrote that article.

We can discuss it all winter, and there will be more to say next spring. Mr. Burr says I may have "overlooked the fact that there are others in the business." Hardly, brother. I do not claim to be the "great and only." I realize there are others besides myself. But you must remember that in my specialties they are fewer than in most varieties. Now if I get 25 inquiries to one sale in an unpopular variety, what must be the condition of things in the most popular?

As for the "attractive literature" Mr. Burr speaks of, I try to tell the truth in my ads and circulars. But most people in this enlightened country of ours do not seem to want the truth, either in poultry, politics or religion.

No, I do not use much "honey." It is chickens I am trying to sell, and I do not believe in palaver.

Neither do I use a typewriter. Hand made or typewritten letters have nothing to do with the quality of a man's stock. Unlike Mr. Burr, I

But I defy any person to show that I ever made extravagant claims for my birds. If I had, I would probably have made more sales and had ten times the complaints. I seldom have a complaint from stock sold, and that fact has been one of the bright spots in my experience. Some of my critics seem to forget that during all this thirty years' experience I have been a buyer as well as a seller, and that I have "seen the shield from both sides," and I will say that my buying experience has been pretty good. Not 10 per cent of my purchases have been failures, because I soon learned who to buy from and stuck to them. Remember that, stick to a good breeder.

The idea that you should change strains every time you want to get a little new blood is a mistake, and if you are breeding Partridge Cochins, Pencilled Hamburgs or other parti-colored varieties you will spoil your color every time. I have sold birds to the same breeders for three to twenty years with very little or no kicking. It is generally the new breeders who make us the most trouble, the ones who expect to build up a big paying business on a \$2 sitting of eggs, or a \$5



Three section portable poultry house manufactured by the Dyer Portable House & Mfg. Co., 4433 North 40th Ave., Chicago, Ill.

should not trust the man's typewriter any sooner than I would him. The easiest gold bricks sold are the ones the finest gilded; that argument don't go with me.

Thanks be, I am not depending on poultry for a living. And I have learned some things in the last thirty years. Enough that the typewritten letter, the big page ad, the brag and bluster, the prize winners bought but not bred by the owner, the man who never has any culls, and the one who has the best in the world, who has been offered \$100 to \$1,000 for his best and refused to take it—this all blows past me and I do not bite—not any more.

I like Mr. McK.'s style and his is mine, but it does not sell the goods.

The Illinois breeder (name not given) who had so much trouble trying to build up a utility strain does not come in my class. All my articles are written from a fancier's, not a utility breeder's standpoint. If I get three good chicks from a fancy standpoint out of fifteen eggs I am perfectly satisfied. A utility breeder with such a result would have a right to kick.

The editor sums it up about right. The extravagant claims of the advertisers and the get-something-for-nothing ideas of the buyers account for most of the trouble.

trio. It can't be done, and they have to find it out by experience.

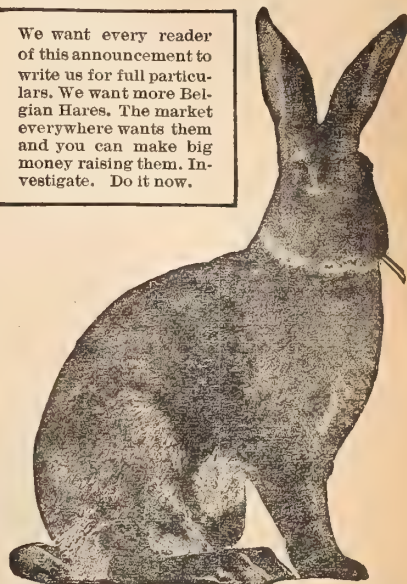
M. E. Pope & Co., of New York City, have issued a handsomely printed, illustrated booklet, "Why You Should Breed Belgian Hares," which is very comprehensive and very complete. It gives a short history of the Belgian Hare, together with articles on the Profit in Dollars, How to House and Feed Them, How to Mate and Breed, Care of the Young, Recipes for Cooking, and Notes on the Hare. The price of this booklet is 10 cents, but it will be sent free for stamp to readers of the American Poultry Journal.

Have you received a copy of the new catalogue of A. E. Martz, Arcadia, Ind.? If not, you should send for one at once, as it tells how things are done by this great Buff Orpington breeder, who in a few short years has built up a most wonderful trade in this popular variety of fowls. Mr. Martz is one of those sound, conservative business men who can be depended upon to do just exactly as he promises, and who, under no circumstances, will have a dissatisfied customer.

Harry W. Atkins, an expert judge, formerly of Huntington, Ind., is now located on the Iowa Farm, Davenport, Iowa.

## MORE MONEY IN Belgian Hares THAN IN POULTRY

We want every reader of this announcement to write us for full particulars. We want more Belgian Hares. The market everywhere wants them and you can make big money raising them. Investigate. Do it now.



### WHAT OUR CUSTOMERS HAVE TO SAY.

The following testimonials are just a few gathered from one month's mail. Read them carefully.

They prove several important points.

- (1) That Pope Hares Always Please.
- (2) That We Ship True Breeders.
- (3) That Belgians Are Very Prolific.
- (4) That True Belgians such as we sell are

Mardy Stock and travel well, even to long distances.

Such testimonials as these prove that when you buy from us you get your Money's Worth.

I received the hares all right on Friday, the 5th. They are fine animals. I've had lots of friends to see them and they speak highly of them.

THOMAS CARROLL, Maine.

The doe came all O. K. and we are greatly pleased with her. We have now a first-class home for our hares. April 6th the doe came. April 16th the young were born—nine good, strong, healthy hares. We feel greatly encouraged and are satisfied we are going to make a success of it.

HICKS & NEAR, New York.

Those Hares received from you are doing very nicely. Doe No. 180 having 5 and No. 186 having 7 young.

G. W. TORNHOLEN, Indiana.

I purchased a trio of Hares from you in February. I now have thirteen young hares 6 weeks old, also another litter about 1 week old. What could you allow me for the young Hares?

H. O. BATEMAN, Massachusetts.

(We bought Mr. Bateman's stock for \$11.00, \$1.00 per pair, and he should get \$15 every three months from his investment in one trio of our Belgian Breeding Hares.)

The doe bought from you kindled the 4th of April and I can spare two does and a buck. They are the finest stock I have ever seen—beautifully colored and extra well grown. The mother doe is far ahead of anything I have ever seen in form and color.

LATHAM HULL, Connecticut.

Had a fine litter of Belgian Hares to arrive today and am well pleased with the animals and results.

A. J. VILSACK, Pennsylvania.

I will now report to you in regard to the Hares. No. 173 kindled on the night of the 18th and No. 184 on the 17th. No. 173 had six and they are all living but one, which was born small and did not live. No. 184 had eight and they are all fine.

IRA H. WATSON, New York.

When you buy from us you get the "Finest Hares that Grow"—Real Genuine Belgians of the Highest Quality—Money-Makers. The Testimonials Prove You Will Be Wise to Buy from Us.

We have issued an illustrated booklet, "Why You Should Breed Belgian Hares," which is comprehensive and complete. It gives you the history of the Belgian Hare, together with facts as to the profit in raising them, how to house and feed them, how to mate and breed, care of the young, recipes for cooking, and many valuable notes. The regular price of this booklet is ten cents, but we will send it to you FREE upon receipt of a postage stamp. Write us today.

M. E. POPE & COMPANY,

Breeders and shippers of "The Finest Hares That Grow." Executive Office 210 West 56th St., New York



# Poultry, Butter and Egg Convention

Sixth Annual Meeting National Poultry, Butter and Egg Association Held in Chicago, October 28, 1912

**A**T the Hotel Sherman in Chicago, October 28, 29 and 30, 1912, there was held a convention which, if not the greatest gathering of poultrymen, was the largest and greatest gathering of poultry buyers ever gathered together. It was the sixth annual convention of the National Poultry, Butter and Egg Association.

This association was started but a short time ago as the National Poultry and Game Association, but it has since changed the scope of its work and now includes poultry, butter and eggs.

The object of this association is to (1) disseminate accurate information among shippers, dealers and consumers of live and dressed poultry, game, but-

differences between the several members and between members and non-members, and to procure uniformity and certainty in trade usages, and of kindred matters relating thereto as they may from time to time arise.

There were delegates from over twenty-five states and an exceedingly large delegation from New York and Boston as well as other eastern markets.

The opening day session was well attended and the meetings were of the usual formal introductory addresses and reports. The reports indicated that the growth of the organization was very healthy and that there were now 447 members in good standing. Of course

and poultry. The opening address was delivered by Mr. A. M. Cochran, Columbia, Tenn., on the subject of "The Poultry and Egg Industry of the South."

Mr. Cochran said in part that the poultry and egg industry of the south was still in its infancy but it was increasing rapidly, having doubled in the last few years. By the south he meant Kentucky and Tennessee, as these were the only two states which were pushing this business on a large scale. At Lansing, Tenn., there was now building a plant which will cost \$25,000 to hold in cold storage these articles. He further pointed out that the best farmers of the south were entering into the poultry business as a branch of their farming operations and he related how one farmer's wife who had sold her eggs and poultry to him kept her tickets until the end of the year and they totaled \$518, which was considered quite a large income from this source alone. He told the circumstances to a member of the local board of trade and the board at once made the woman a present of \$25, and when the local banker heard of it he did likewise. This gave publicity to the woman's efforts and the newspapers took it up so that all of her neighbors began to inquire, "How did you do it?" As a result many in this same neighborhood are planning to do the same thing this winter. The best part of this story is that this woman did this with pure bred fowls. She sold off all her common stock and bought White Orpingtons.

The next address was by Dr. Mary E. Pennington, Chief of the Food Research Laboratory, United States Department of Agriculture, on the subject "Scientific Management in the Poultry and Egg Industry."

In her address Dr. Pennington traced the methods of "scientific management" as formulated and applied by Mr. Taylor in the steel and iron industries, by which methods such help as laborers was reduced from between 400 to 600 to about 140. She said, "The fundamental principles of the management which yielded such results were:

"First, the mechanical processes were reduced to a true science by accurate time observations and the application of physical and mechanical principles.

"Second, the scientific selection of the workmen.

"Third, his education by means of the results yielded by the scientific study of the problem and his continuous development by careful oversight.

"Fourth, intimate friendly co-operation between management and the man."

She then at considerable length explained the methods which she had inaugurated in a poultry handling plant and how by the use of the stop watch many of the operations were considerably reduced in point of time without loss of efficiency.

Next she pointed out how many of the poultry killing plants of the country were poorly located in the buildings which were not adapted for the purpose, which condition was a great handicap to efficient management. Such houses require abundance of fresh air and plenty of light and when these things are missing the work cannot proceed to the best advantage and sanitary conditions are almost impossible. Dressed poultry emanating from such places invariably bears the stamp



ter, eggs and other food products; (2) the advancement and improvement of commercial conditions in said trades; (3) the fostering and strengthening of friendly and co-operative relations between such members in all parts of the United States and the securing to its members improved transportation facilities and just and equitable rates and charges for the same; (4) the education and guidance of public opinion in all parts of the United States to the point of securing the adoption of legislation calculated to foster trade and safeguard consumers, and (6) the settlement of

as such membership is taken out by a firm which in some cases employs numerous travelers and assistants, it is impossible to estimate how far reaching such an association is; but some idea can be obtained from the banquet which was extended to the visiting members and guests by the Chicago members. At this banquet nearly 800 guests sat down to a repast which consisted wholly of articles of food which had been in cold storage at least a year.

The second day's session was planned to impart information which would be helpful to packers and raisers of eggs



of that fact. As the greatest amount of fresh air is required in the feeding station, she advocated that it be established on the upper floor or in a separate building.

It is impossible here to reprint the learned Doctor's exhaustive address, which went into many of the technical details of the business which we fear our readers are not interested in. All we can say is that the poultry and egg industry is fortunate in having such a painstaking investigator at the head of the food investigation department.

As the Utility Poultry and Egg Standard Committee of the American Poultry Association was in session at the same hotel at the same time it was arranged for Mr. Robert Essex, chairman of that committee, to address the National Convention upon the work of the "Market Poultry and Egg Standard."

Mr. Essex was well received. He told of the purpose and aim of the American Poultry Association and related some of the circumstances surrounding its formation and history. He told, also, how that an important part of their work was to compile and issue a Standard of Perfection which should so minutely describe a breed of fowls that there could be no difficulty in determining the variety from the description. He also pointed out how that this Standard had always taken



A New York prize winning cockerel bred and owned by Bradley Bros., Lee, Mass.

into consideration the weight of those fowls which were usually raised for market purposes and that this weight was put high so that the breeders had something to strive for, which was, in a large measure, the real influence which kept up size and stamina of the breed.

He emphasized the wonderful growth of the American Poultry Association and pointed out how all of its members were constantly striving through their individual members and the association as a body was lending their assistance to the various state institutions which had poultry departments in connection with their agricultural colleges. He told what some of the experiment stations were doing along the line of increasing the egg yield and that this work was also being closely studied and followed by the members until the breeds of fowls which a few years ago laid only 80 eggs per annum now were producing 180 and even 200 eggs per hen.

He told of the desire of the committee of which he was the chairman to produce a Standard which would be a real help in the promotion of the utility poultry and egg world and asked for the assistance and co-operation of the National Poultry, Butter and Egg Association.

As a result of Mr. Essex's remarks the National Association introduced the

following resolution, which was carried:

"Resolved, Whereas the American Poultry Association, a national organization of breeders and specialty farmers of poultry and eggs, are preparing a market poultry and egg standard for general distribution; and,

"Whereas, It is the sense of the committee of the A. P. A. preparing this standard that the same should be especially edited with a view to its

distribution also to packers and general farmers of poultry and eggs to the end that the product may be improved; and,

Whereas, The A. P. A. has invited the National Poultry, Butter and Egg Association to appoint a committee to collaborate with their committee in the preparation of the said standard to the end that the National Poultry, Butter and Egg Association may add the

OCULUM is a sure cure for sick fowls; a free trial; ad page 116.

## Hatch Chickens in Your Parlor

Bed room, or anywhere else about the house most convenient for you. Now that electricity has been practically applied to the hatching of eggs, and all muss, fuss, smells and uncertainties are eliminated by

### THE "LO-GLO" ELECTRIC INCUBATOR

The poultry business offers new attractions, new possibilities, splendid profits, and real enjoyment, with little work and no worry. Learn what can be done—get our interesting free book on these wonderful electric incubators, and brooders, that accomplish results never before possible. The "LO-GLO" electric incubator has absolutely perfect automatic control of temperature, ventilation and moisture. Write today for free book.



Standard Elec. Inc. Co., 97 Church St., New York City

THE TWO GREAT EGG MACHINES

CAMPINES EGGS FROM PRIZE WINNERS

ROCK-LAND STRAIN

S.C.W. LEGHORNS

1st hen, 2d pen, Madison Square last year. 1st hen, pen 2d and four others, Palace this year. Egg and incubator records with big egg book free. Write today.

Ridge Egg Farm - West Nyack, N. Y.

## THE AUTOMATIC INCUBATOR

POSITIVELY CANNOT OVERHEAT

The Automatic is an entirely new principle of incubator construction—not simply an improvement over old makes. Yet it is not an experiment for it has had four years of actual practical test under all conditions and in varying degrees of heat and cold so that we are now ready to offer it to readers of American Poultry Journal with our unconditional guarantee that

**The Automatic Positively Cannot Overheat and Does Not Require any Regulation of the Lamp Flame.**

It absolutely assures correct heat, correct ventilation, correct moisture. You will never have any more incubator troubles if you use the Automatic. You positively avoid the cooking of the eggs. You never have to worry about getting up in the night to adjust the regulator. In hundreds of tests it has demonstrated that it hatches a much greater percentage of fertile eggs than setting hens do, and no other incubator begins to compare with it. Guaranteed to last five years, at least, without repairs, and sold on our forty-day free trial plan. It will pay you to use the Automatic Incubator no matter what your past experience with others has been—you can soon save its price in the actual results attained. Just a postal request will bring you our catalog No. 38. Don't worry—It can't overheat.



Automatic Incubator Co., Delaware, Ohio



authority of its endorsement to the work; now be it

"Resolved, That the president of the National Poultry, Butter and Egg Association appoint two members of the association to act with the committee of the A. P. A. with authority to endorse the said standard in part or whole."

The next speaker was Prof. W. R. Graham, who has charge of the poultry department of the Ontario Agricultural College. He was introduced as having recently been studying the conditions surrounding this industry in England and other European markets and was asked to relate some of the lessons which he had observed there.

Professor Graham said that the

greatest factor for success in European markets seemed to be: standardization of the various products. He reported that while some English dealers admitted that occasionally they might get a tub of butter from Ireland which was superior to the Danish, yet more often they would get poor butter from Ireland; but, on the other hand, that which came from Denmark was always the same at all seasons. English dealers declared that there was no other country upon which they could so surely rely for the same even standard of quality as Denmark.

He argued for more co-operation between the dealer and the producer and pointed out that the greatest difficulty as it existed in Canada, and he

presumed it was the same in the United States, namely, the long lapse of time in getting the new laid egg into the cooler. He pointed out that our areas are much greater than on the old country but there are many areas in this country where the number of hens per acre was fully as many as in England and he was of the opinion that if an effort was made along this line much improvement could be made and a great saving in the large losses from poor quality of eggs be largely overcome. It would help if the producers of commercial eggs would dispose of the male birds or pen them by themselves as soon as the breeding season was past, so that the new laid egg would be an infertile egg. He urged that every



1-FIRST PRIZE HEN-2-FIRST PRIZE COCK-3-FIRST PRIZE PULLET-4-FIRST PRIZE ROSE COMB COCK  
5-FIRST PRIZE COCKEREL WINNERS AT CHICAGO SHOW DEC 1911 BRED AND OWNED BY  
F. A. TECKTONIUS Route 5 RACINE WIS.



effort should be made to keep the new laid egg in as cool a place as possible until it was gathered and put into the cooler.

The third day of the convention was given over to discussing transportation problems of which there seemed to be a great many. There were some railroad representatives present and the discussion was interesting and at times lively. It would seem that there are many problems still to be solved and for this purpose the association maintains a permanent headquarters at New York city. From a practical standpoint it was surprising the great amount of the egg losses caused by breaking in transit and there is no question but that if such losses can be overcome the buyer can afford to pay higher prices at the point of production.

While there were some changes in the various committees, practically the same officers were elected throughout.

The president is Mr. Harry Dowie, New York; secretary, Mr. Chas. E. McNeill, Chicago, Ill.; treasurer, Mr. W. H. Whitecomb, Chicago, Ill.

#### SHIPPING EGGS BY PARCELS POST.

Fifteen large fresh eggs were mailed to Postmaster General Hitchcock last night by Allen C. Bussey, 1002 New York Life building, for the purpose of promoting an experiment to prove how perfectly fresh eggs can be shipped in the parcels post in a container devised for that purpose.

Though the parcels post will not be started until January 1, Mr. Bussey thought he would seize time by the forelock, mail his carton of eggs to the postmaster general as first class mail, and let the postmaster general himself see that it was entirely feasible to send eggs in parcels post.

Mr. Bussey has written a letter to the postmaster general asking him to write on receipt of the eggs, letting him know of the success of the plan. Mr. Bussey has patented an egg container which he says will stand all shocks incident to the roughest travel.

The box is made of thick cardboard and so constructed in "V" shaped wedges that it offers, he believes, the maximum protection from breakage. The egg boxes vary in dimension according to the needs of the shipper. The box shown in the illustration is 4½ inches wide, 3 inches high and 13

inches long. A box this size will hold a dozen eggs. A larger sized box is made which will hold 15 eggs. According to Mr. Bussey, the boxes are so safe that setting eggs may be sent through the mail without danger of breaking or spoiling.

According to the postoffice officials, the benefits which may be expected to follow the introduction of the parcels post will not be confined to any particular section of the country nor to any particular parts of the population. With rates which will be uniform to every one, which can be easily determined in each case by reference to tables which will be readily accessible to every person wishing to send a parcel, and which will be for the great majority of parcels appreciably lower than the lowest rate hitherto charged by the express companies for similar service, it would be difficult, say the postoffice men, to place any limit on the possibilities opened by this new departure in the mail service.

On the matter of cost a close examination of the rates laid down for the parcels post with those recently prescribed for the express companies by the Interstate Commerce Commission shows that for short distances, say, 500 miles, it will be cheaper to send any package up to seven pounds by the parcels post; that for long distances of about 1,500 miles and over the parcels post rate will be lower on packages up to two pounds in weight, and that in other cases the express rates will be slightly cheaper.

#### Handy for Packettes.

There is every reason to suppose that the greatest use of the parcels post will be made by persons wishing to send small packages a short distance, and it

#### R. C. WHITE LEGHORNS

The 200-a-year-egg machines. Eggs half price now. We are making a great sacrifice sale of some of our best breeding stock. Better write today. Rocky River Poultry Co., 58 The Oaks, Deerfield, Illinois.

#### FISHER'S BUFF ORPINGTONS

Are known America over, winning at all the prominent shows, including Madison Square Garden, Chicago, Cleveland, etc. Mention A. P. J. when writing. C. E. Fisher, Box 391, McConnellsville, O.

#### SPROUT GRAIN

With the Columbian Grain Sproutor, best on the market. Full plans for making sent for 25c. Theo. Austinson : Route 4 : Lyle, Minnesota



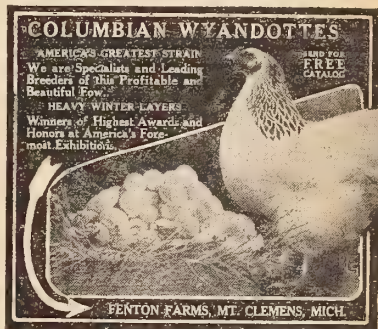
port, Mich.

CHICKS—Have shipped thousands each season since 1904. Different varieties, Leghorns, Reds, and Anconas will be our leaders. Allow us to send our booklet and testimonials from satisfied customers. Freeport Hatchery, Box A, Free- 12-1

## Alt's S. C. Reds

My cockerels have won highest honors in several shows including Buffalo, 1911 and 1912. If you are in need of a quality cockerel, write me.

H. W. Alt, 87 Fuller Street, Buffalo, N. Y.



## DUSTYNE

Poultry Dust Bath Co., Inc. - Whiting, Ind.

### We Guarantee our Eggs and Chicks

Because we KNOW how strong and vital they are; how carefully we cull and select and test on our great plant. We make no extravagant claims—we simply say "Buy Tywacana Stock; its sold on a Make Good Guarantee that PROTECTS!"

Baby Chicks Hatching Eggs Breeding Stock  
S. C. White Leghorns Barred and White Rocks

Write TODAY for our big catalog. It tells how we can afford to guarantee our stock. It is full of poultry facts. Sent FREE. We Use WRIGHT Boxes—that means Safe Delivery. Tywacana Farms Poultry Company, A. E. Wright Supt., Box 53, Farmingdale, L. I., N. Y.



SILVER...  
GOLDEN

# CAMPINES

Greatest prize winning stud in United States. Madison Square, 1911: 4 firsts, 1 second, 6 specials; Allentown, 1912: 14 entries won 10 ribbons; Hagerstown, 1912: 13 entries won 11 ribbons; Grand Central Palace, N. Y., 1912: 18 entries won 17 ribbons; Philadelphia, 1912: 21 entries, 21 ribbons, 14 specials, 3 cups. Send for mating and egg list, ready January 15, 1913. No stock for sale at present.

Manhattan Farms : : Brighton, New York





The Perfected Result of  
27 Years' Experience in  
Practical Poultry Keeping

# THE "CYCLE"

## Hatches in Nature's Way

Because it follows natural principles. These points found in the CYCLE will appeal to you. They are vital to success.

FIRST: The heated air is applied on top of the eggs only, as under the hen. SECOND: No direct air passes through the hatcher to carry off the natural moisture in the egg. THIRD: Being circular, with the lamp in the center, the radiation is equal throughout the machine. FOURTH: The heat is brought close to the eggs with no waste of heated air space. FIFTH: Eggs are turned and cooled similar to Nature's way. STUDY the hen and investigate the CYCLE. It will pay you.

Our machines were used exclusively in the original Philo System Plant where over \$1500 from 60 hens in ten months has been cleared from the sale of eggs, baby chicks and fowls raised on a city lot 40 feet square. One of the largest plants in America saved over \$700 this year by using our system of brooding. We sell the best brooder ever made for \$2.50.

### CYCLE HATCHERS

Holds 50 eggs. Constructed entirely of metal. Self-regulating. Requires no moisture. Will not warp, shrink or crack. Will last a lifetime. Hatches hens', ducks', geese and turkey eggs equally well.

\$6

### BROODER-HATCHERS

Holds 50 eggs. A compact, safe and practical incubator and brooder combined. One lamp serving both purposes. Saves about one-half the cost of hatching and brooding chicks.

\$8

### Testimonials

Paris, Ky., Feb. 16, 1912.  
Cycle Hatcher Company, Elmira, N. Y.

Gentlemen:—Have used your Cycle Hatcher with excellent results. From my first hatch I had forty-seven chickens from forty-eight eggs. Have used two other incubators, but prefer the Cycle to either of those used.

Respectfully,  
Mrs. Henry Scott Clay.

Carterton, Clansfield, England, May 20, 1912.  
Cycle Hatcher Company, Elmira, N. Y.

Gentlemen:—I take great pleasure in informing you of the great success I have had with the Cycle Hatcher. I also have a sixty-egg machine, but I can hatch more and stronger chickens with the Cycle. I have had hatches of 45 and 40 out of 48 eggs from the Cycle incubator.

Yours truly,  
Henry Naseby.

Winona, Wash., Jan. 26, 1912.  
Cycle Hatcher Company, Elmira, N. Y.

Gentlemen:—I have one of your splendid Metal Mothers and will say that it is far ahead of any other incubator I ever used.

Yours respectfully,  
F. P. Whetzel.

Squaw Valley, Calif., April 16, 1912.  
Cycle Hatcher Company, Elmira, N. Y.

Gentlemen:—The two Cycle Hatchers I purchased last year are giving entire satisfaction. We have averaged between 90 and 100 on every hatch yet, and don't think they can be beat.

Yours truly, Claud H. Johnson.

Cycle Hatcher Company, Elmira, N. Y.

Gentlemen:—I have used your Cycle Hatcher three years. Set it six times one year, and four times the other two years. Once I got 42 chicks out of 49 eggs. Twice I got 46 chicks out of 49 eggs. The most of the time I got 44 and 45 chicks. I think there is no other incubator that will beat it.

Yours truly, Lilly R. Hargis.

Fort Worth, Texas, September 28, 1912.  
Cycle Hatcher Company, Elmira, N. Y.

Gentlemen:—I bought a Cycle Hatcher from my local dealer and hatched forty-eight chickens out of fifty-one eggs, my first hatch. A much better record than I have been able to make with several other machines which I have tried.

Yours truly,  
C. P. Davenport.

## Save Freight Charges and Delay

We have the largest stock of incubators in the world, ready for immediate shipment to you. Branches and warehouses in California, South Dakota, Colorado, Iowa, Missouri, Illinois, Texas, Florida, Georgia, North Carolina, Ontario, Canada. Order from our Main Office, or send for a copy of our free catalogue and address of your nearest branch.

### CYCLE HATCHER COMPANY

285 NORTH AVE.

ELMIRA, NEW YORK

Everything for poultrymen,  
including Poultry Foods,  
Remedies and Supplies  
of all kinds



is precisely in such cases that the charges of the express companies have in the past been said to be extortionate and will, in the future, be higher even under the new schedules than those of the parcels post.

The question of price is, however, only one consideration; and on other grounds, such as efficiency, simplicity and availability the service of the parcels post should be superior, according to the postal authorities.

### Classes of Mail.

At the present time all mail matter is divided into four classes. Without going into details, it may be broadly said that the first class includes letters and other matter written by hand or on a typewriter; the second class, newspapers and periodicals; the third class, books and printed matter other than newspapers and periodicals, and the fourth class, a great variety of things, from queen bees to wall paper, not falling into the other three classes.

The introduction of the parcels post will affect only matter mailable in the fourth class, and the principal point to be noted is that books will not be allowed to go in the parcels post.

The definition of what may go in the parcels post is broad. It includes everything which is not now embraced by law in the first, second or third classes and states specifically:

Practice will, of course, determine what materials fall under the ban of the restrictions named; but, in a general way, it seems likely that a farmer will be able to mail to his consumer in the city a dressed capon or a pound of butter; that a parent may send his child a pair of skates or a box of candy, and that a merchant may send to his correspondent a pair of boots, or a suit of pajamas. A man may buy a steak and mail it home for dinner.

### Particular as to Stamps.

It is important to remember that ordinary stamps will not be accepted for postage on parcels. The special parcels post stamp must always be used. The cost of sending a package by parcels post, as shown in the accompanying table, will depend on the weight of the package and the number of zones through which it is to be sent.

If a parcel is to be sent within the postal district in which it is posted, the charge will be 5 cents for the first pound, and a cent a pound additional for each additional pound up to the limit of 11 pounds, for which the charge will be 15 cents.

For a package to be delivered outside the postal district, but not outside the parcels post zone in which it is mailed, the charge will be 5 cents for the first pound and 3 cents for each additional pound up to 11 pounds, for which the charge will be 35 cents.

### How Charge Varies.

The charge increases with the number of zones the parcel has to cross and a general idea of the cost may be obtained from the accompanying table. According to Mr. Fosnes, a branch of the parcels post system which is in force in several countries, but which is not to be introduced at present into the United States, is a cash on delivery service. This service is popular in India. Its operation is simple and it brings in a moderate surplus to the government.

What takes place is this: A man in Calcutta, for example, sees a price list or an advertisement of a watchmaker



in Bombay. He writes to him, ordering a particular watch to be sent to him c. o. d. The merchant delivers the watch at the postoffice in Bombay, with a bill showing the charge. On the arrival of the parcel in Calcutta it is delivered at the house of the purchaser and the postman collects the price, which is remitted by money order to the Bombay merchant. For this service the government of India charges 1 per cent of the value of the article, in addition to the regular postal charge.

"The introduction of the new system of trading is always accompanied by some inconvenience in the transition period between the old and the new," said the postmaster. "But after the habit of purchasing by mail and of securing delivery by parcels post has once become established it will seem as much a part of the natural order of things as a daily visit to the market, basket on arm, was to our grandmothers."—Minneapolis Tribune.

### BANTAMS.

By Theodore Van Ginck

Bantams are, as a rule, very tame and soon get acquainted with their owners and eat from the hand, therefore they do not require much training for the showroom. All Bantams have an elegant appearance, the cocks strut about proudly, their breasts brought out prominently. It is highly amusing to see such a little sultan leading his mates, occasionally alighting upon a gate or other slightly elevated object to crow with his clear high voice.

Once, long ago, I saw in Holland a few of the ordinary black-breasted Bantams, colored as light as Brown Leghorns. The minute I observed them the cock bird flew in a straight line to the top of a fairly high stable.

A bird in the air attracted his attention. He sounded some warning-toned calls and came down again into the midst of his mates. A minute after the whole troupe disappeared into the brush oak behind the farm, flying over the gate and a brook much like pheasants. Nobody who saw those healthy, bright looking chickens could see what a severe test they had stood, being raised under almost wild conditions. When they were six or seven weeks old, their mother would fly to and alight on a large branch, not high above the ground, where the little chicks had to follow her. Later on they slept just as all the chickens on that farm did, i. e., on the branches of the trees, and they slept here every night, until the first snow began to fall, when the farmer's wife put them in one of the stables.

#### Bantam Housing.

I have seen Bantams housed and raised under almost all conditions—behind glass and in open-air houses, with apparently the same results.

But both systems will prove to be too extreme in the long run, when raising line-bred Bantams. Those raised behind glass and protected from the influence of the weather are liable to take on every kind of disease when, later,

they must be housed under contrary conditions, while those raised with less protection, i. e., in open-air houses, will be hardy.

But many a Bantam youngster will not be able to stand this test and will die, while many others will look stunted and never come into fine condition. It seems their small bodies cannot supply them with sufficient heat, when they are not in the pink of condition. Bantams will give their owners more pleasure and profit when well taken care of, that is, when they are protected from wet and rain in winter time and hot sun rays in summer time.

Bantams thrive very well in confinement, but it may well be understood that everything must be clean and free from lice. One can keep Bantams in half dozen lots in houses with a ground space of 3 by 6 feet the whole winter through, when necessary. But as soon as they are put together in the breeding pen they need more room to insure fertile eggs and strong chicks.

Herewith is the description of a good Bantam house, designed below:

The front is 10 feet long and 6 feet high, and is boarded one foot and 6 inches high in order to keep out drafts. The remaining part is covered with fencing; narrow fencing is the best, as it keeps the sparrows out. The house is 4 feet deep, the back is 5 feet high, giving the roof a backward slope. The roof must be waterproof, while the back and side walls are made of ¾-inch lumber to keep out the wind and the rain. When possible it is the best way to have the house facing south. The little roosting compartment, of which we give a separate illustra-

tion to show the details, is fixed against one of the sidewalks. Its floor is about 2 feet and 10 inches above the ground. The roosting compartment is 3 feet wide and 4 feet deep. The ventilation holes are at the highest point in the front. This is nearly opposite the little door at the back and insures a slow and regular air stream, which will not be too cold.

Along the outside wall are the nest boxes, each 12 inches wide and deep. They are four in number. A wooden frame holds the four nests together and



"IF CHICKEN CHOWDER won't make your hens lay, they must be roosters." Full particulars and 48-page Poultry Book free for the asking.  
PURINA MILLS  
801 So. 8th St., St. Louis, Mo.

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The finest we have ever produced. A limited number for sale. Write for free illustrated booklet and prices. The Corning Egg Farm, Bound Brook, N. J.



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#### RAYO Incubator

See whole interior thru double-double glass top. Tank holds month's supply.

#### One Filling to a Hatch

Regulator adjustable to thousandth of a degree, acts on flame; double heating system uses all the heat—none escapes, none wasted—hatches on one gallon. Automatic ventilation. Egg turning semi-automatic. Roomy nursery, thick wood case, enameled mahogany steel covering. Anyone can use it. Big hatches certain and cheap. Low direct prices. Send for Catalogue No. 11.

#### Rayo Incubator Co.

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Chickens raised with the International Sanitary Hover grow big and strong. They are not crowded, for the International has no corners, and is warmer at the curtains than at the center. Perfect ventilation prevents smothering. The lamp of the

### International SANITARY HOVER

can be lifted out by person standing. Used anywhere at a moment's notice. No platform or other carpenter work necessary. Fireproof and sanitary.

#### Also Grows Green Food

In eight days the International Hover will transform 12 quarts of oats into enough green food to feed 500 laying hens three days. This means eggs a plenty in winter, for green food is an egg-producing necessity.

Endorsed by Kellerstrass, Owen Farms, Wm. Cook & Sons, Rufus Delafield, Rose Farm and Monmouth Poultry Farms.

Send for Catalogue. Agents Wanted.

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## GOLDEN AND SILVER CAMPINES

The fowl that is creating a sensation. Our birds are gathered from the world's best. Cockerels for sale but no females. Egg orders booked now at \$10 per 15. Ten chicks to a setting guaranteed.

The Grand White Faverolle. From the best yards in England. No stock for sale. A few orders will be taken for eggs at \$15 per 15.

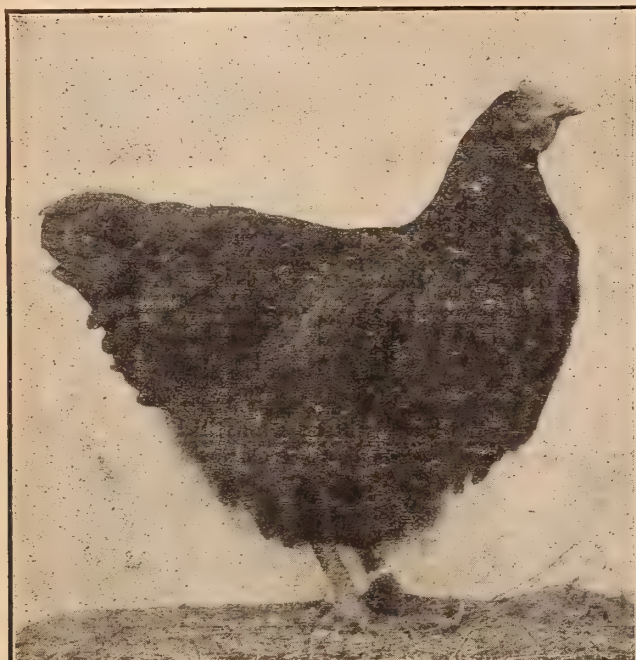
AUG. D. ARNOLD - - BOX 777 - - DILLSBURG, PENNSYLVANIA



makes it easy to take them out occasionally to clean them.

They are covered with a board, 12 inches broad, while the divisions are nailed together by three boards, four inches broad, two in the front and one in the rear at the bottom. Three perches are fixed in the house and their shape depends upon the breeds that are kept.

For the clean-legged breeds round perches of about one and a half inch diameter are the best, as they keep the legs in shape. This is especially true in regard to the back toe. It is a well-known fact that when the birds roost on unsuitable perches, their back toes are liable to grow too much inside. This is a great fault for the Game Bantams and a fairly important fault for the other clean-legged breeds.



BLACK ORPINGTON PULLET, FIVE MONTHS AND ONE WEEK OLD; WINNER OF FIRST AT DALLAS, TEXAS OCT. 1912. HATCHED FROM EGGS PURCHASED FROM BLUE RIBBON POULTRY COLUMBUS IND. LAID HER FIRST EGG NOV. 5<sup>th</sup>. SIX MONTHS OLD TO A DAY, RAISED BY A BRANSHAW, DALLAS, TEXAS. I HAVE SIX MORE AS GOOD FROM THE SAME HATCH.

For the clean-legged breeds the perches can be 2 to 2.5 feet above the floor.

For the feather legged breeds a round pole of 2½ to 3½ inch diameter, sawed lengthwise through the middle, makes a very good perch. They are a great help to keep their foot feathers in good condition. To prevent their breaking their foot feathers when trying to fly upon the perches, it is advisable to place the perches not higher than 14 to 16 inches above the floor. For the Japanese Bantams the perches have to be about the same height. It is well to have sawdust or river sand on the floor, as it absorbs the odor of the droppings, by making them dry quickly. In the same way it keeps the floor clean so the birds will not soil their plumage so easily.

Underneath the laying and roosting

house is a good place for a box containing ashes, earth or river sand, to use as a dustbath for the Bantams. A wooden box of about 1½ to 2 feet square is the best thing for this purpose. Don't fill the box to the top, or they will throw out too much of it. It will be well remembered that it is not good for the health of the chickens to scratch in a house where the soil is so dusty that the air is practically filled with fine dust all the time. Have your drinking fountain as far away as possible from the dustbath, a little above the floor, but just within reach of the Bantams.

Their morning food should be some good mash food, given in a clean pan, while their grain food will do the most. The longer they scratch for the grain, the better it will work. When you

hen many of them are killed in the first weeks of their existence under the feet of their mother. The same trouble will be found when a big hen is set to hatch Bantam eggs. As a rule she will crush a great many of them, the shells being thinner than those of the eggs of the larger breeds.

Bantam hens will prove to be the best hatchers and raisers for their own chicks, provided that not too many are given to them. For the smallest Bantams 6 to 8 eggs and the same number of chicks will prove to be the best number, while the larger kinds, such as the Cochin and Brahma Bantams, can successfully take care of 2 or 3 more eggs or chicks.

For feeding the Bantam chicks the same methods can be followed as in feeding the larger chicks, except that some foods will prove to be too coarse for them, in which case they must be changed for more suitable food.

It will pay well to give the little chicks careful attention in regard to lice and headlice, especially in hot weather, as more chicks are killed by lice than is realized. When vermin is found give your chicks something to destroy the lice at once. Fortunately two good remedies for both kinds of lice are on the market and are well advertised in the poultry papers.

In the summer months never put your Bantam chicks where they cannot get in a shady place, as this will in many cases be fatal. Never forget that chicks want exercise just as well as the matured chickens.

At the age of 4 to 6 weeks, it is time to start feeding them a certain food in order to develop certain requirements of the breed, while other properties must be kept down. Game Bantams should be fed on bone-making food, while no such food should be given to them which develops the growth of their feathers too much. They should not be given any more wet food after being about 2 months old. Rose Comb Bantams and Sebright Bantams should be fed on such food as will supply them with well developed bone and, besides this, the feather-making food should be given to them in a great percentage, especially to the former.

The Cochin Bantams, Brahma Bantams and Japanese Bantams should be fed for the greater part on feather forming food, while but little bone-forming food should be given to them in order to keep them low on legs.

Cochin and Brahma Bantams can be hatched successfully later in the season, as no big tail feathers are desired in these breeds, and it helps to keep them low on legs. When feeding your Bantam chicks always keep in mind that you are not after big broilers, but after small chickens with sufficient flesh to give their body the desired shape.

Don't enjoy the appearance of one or more extremely small youngsters in your flock, with the idea that they will turn out as top-notchers when the show season is on. In nine out of ten cases they will prove not worth the price they have cost their owner to feed, etc. If they are cockerels they will never show fine developed tails and their bodies are in most cases badly balanced. If they are pullets they will prove, as a rule, to be bad layers, and if they start to lay, their first eggs usually will be their last ones, for ordinarily they will be egg bound.

cannot give them free range to find green food, give them a good supply of it every day. Good green foods are grass, clover, wurzel, beet roots and cabbage; the first two are the most desirable. Never allow them to eat green food that is in a frozen or rotten condition.

#### Bantam Raising.

In hatching and rearing Bantam chicks much is the same as in raising the larger chicks. They hatch as a rule a few hours earlier than the larger chicks and are, of course, a great deal smaller.

The best thing is to give 8 to 10 chicks to a Bantam hen and 12 to 14 to a small hen of the medium sized breeds. Bantam chicks are rather delicate, owing to their small size.

Often when raised by a big plump



## KEELERVILLE, HOME OF WORLD'S GREATEST STRAIN OF WHITE WYANDOTTES.

About October 1 we visited Keelerville, which lies on the banks of the Tippecanoe River, at the northeast of Winamac, Ind. This very up-to-date poultry farm contains about ten acres of rich sandy soil and is easily designated by the many fruit trees and the systematic outlay, and is easily reached, in that it lies on the main line of the Panhandle of the Pennsylvania railroad, about midway on the direct line from Chicago to Indianapolis—connecting along route with many different railroad systems, reaching to all and any part of the country—and rendering the shipping service the best possible. Between the fine residence, which Mr. Keeler built last year, and the road, is a private park on the bank of the river, and Mr. Keeler's office is in the residence on the second floor and affords a commanding view of the river. He had at the time of my visit completed a new building at the cost of \$1,000; this building is three stories high and is 16x84 feet. The incubator cellar is underneath; the second story is used for a brooder house and washroom, and the third floor is for drying and conditioning. It is the largest and finest for the purpose I ever was in. Last year he built a laying and breeding house 16x120 feet, with large two-story feed room in center. There are forty colony houses, mostly double, built after the Woods plans, and placed at regular intervals along stone drives. Mr. Keeler has a way of his own of doing things and what he does he does right and spares no money to accomplish his ideas. He has been eighteen years perfecting the world's greatest strain of White Wyandottes, and had 2,000 on the place beside the one served with oyster dressing we had for dinner. As a whole they were the finest I ever saw, and the ones I handled I couldn't see where to cut them. This strain of White Wyandottes have such a grand show record and are so widely known one does not have to go into minute detail. "Keeler's World's Greatest Strain" tells the whole story. Mr. Keeler was one of the first to work on "stay white" Wyandottes and his birds are all white and every trace of creaminess is eliminated. It was not so many years ago this was thought impossible. But the "World's Greatest Strain" can show 'em it can be done. The young stock Mr. Keeler is offering are bred from Topeka, Kan., Chicago, Indianapolis, etc., winners. The World's Greatest Strain has won from coast to coast at such shows as World's Fair at Portland, Ore.; Los Angeles, San Francisco, St. Louis, Omaha, Indianapolis, Cleveland, Cincinnati, Washington, D. C., Jamestown Exposition, and hundreds of smaller shows—both under Mr. Keeler's exhibiting and in his customers' exhibits. Last year he determined to pick out the largest and best quality show, centrally located. After looking up records of leading shows he found Topeka, Kan., located within 75 miles of the geographical center of the United States, consequently from December 4 to 9, 1911, he won 1st, 2d, 3d, 4th, 5th, 6th, 7th and 8th cock; 1st, 2d, 3d, 4th, 5th, 6th, 7th and 8th hen; 1st, 2d, 3d, 4th, 5th and 7th cockerel; 1st, 2d, 4th, 5th and 7th pullet; 1st and 2d pen. The World's Greatest Strain was the attraction of the show. The daily papers took it up and used large space on front pages showing photos of winners. This same thing was repeated at the great Chicago show, although Mr. Keeler exhibited display pens, and did not enter into competition. There was always a crowd of enthusiastic admirers around his exhibit, which was one of the finest displays ever seen at Chicago. The Keeler White Wyandotte catalog is most attractive and instructive and every White Wyandotte breeder

should possess one. It is a great book and gives a detailed account of how Mr. Keeler made good with the World's Greatest Strain of White Wyandottes.—H. H. Coburn.

Harry A. Muntz, Elgin, Ill., won second on Single Comb White Leghorn cock in a class of 32 birds, winning over some of the largest Leghorn breeders in the United States. When Judge Rickoff placed the

prizes, he took quite a bit of time in deciding first and second and if Mr. Muntz's bird had been fully developed in feather, he would have stood a good show of taking first. At the Illinois State Fair, 1912, he won 1st, 2d and 3d pullets on three entries, and 2d and 4th cockerels. He has some good cockerels sired by the Chicago winners, also a few pullets and yearling hens. Write him

# S. C. W. Leghorns

"The Money-Makers"—Trapnested. Illinois State Fair winnings, 1912  
—4th, 5th pullet; 2d hen; 2d pen and 1st cock.

I. A. Engle, : Latham, Illinois

## MUNTZ'S S. C. W. LEGHORNS

Have just won at Chicago, 1912—2d cock, winning over about 14 of largest Leghorn breeders in U. S. At Ill. State Fair, Oct., 1912, won 1st, 2d, 3d pullets, (3 entered) and 2d, 4th cockerels. A fine lot of cockerels and pullets and a few choice yearling hens to spare. Breeding pens my specialty. Prices right and satisfaction guaranteed. Harry A. Muntz, 565 Spring Street, Elgin, Illinois

## 200 Golden and Buff Wyandottes

Must be sold this month as I have decided not to sell baby chicks this season, so must dispose of this surplus stock. Write for my Jan. list of prices. At the last big Chicago show, won 1-5 ck.; 5 hen; championship male.

J. S. Pennington : Box A : Plainfield, Illinois

## ROSE COMB R. I. REDS

OUR LATEST WINNING

At New Haven, the best show in New England outside of Boston, we won 1st and 2d cock; 1st, 2d and 4th hen; 1st and 3d pullet; 2d cockerel; 1st, 3d and 4th pen; best display and 13 other specials. 450 prizes at Boston, Providence, New Haven, Springfield, Worcester and other leading shows. A few very nice birds to spare at moderate prices. Catalogue free. Satisfaction guaranteed.

PAYNE BROS. -- BOX J -- PORTLAND, CONNECTICUT

## Day-Old Chicks

THAT WILL LIVE, THRIVE, GROW AND WIN FOR YOU

WHITE WYANDOTTES	S. C. BLACK MINORCAS	S. C. BUFF ORPINGTONS
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BARRED ROCKS	R. C. RHODE ISLAND REDS	S. C. WHITE LEGHORNS
BUFF PLYMOUTH ROCKS	S. C. BLACK ORPINGTONS	S. C. BROWN LEGHORNS

Prices from 10c up. Shipments guaranteed to reach destination safely. All dead chicks replaced. Book your order now. Our equipment includes the highest priced machines on the market backed by our 20 years' experience in hatching and breeding enables us to furnish you chicks that are well hatched, vigorous, strong and healthy. Hundreds of satisfied customers. Poorly hatched chicks prove expensive items, even if they are given away to you. Start right by sending for chicklet catalog today.

Goshen Poultry Farms, W. H. Schadt, Mgr., R. 7, Goshen, Ind.



## DAY-OLD CHICKS

FIFTEEN VARIETIES  
FOR SPRING 1913...

## Incubator Capacity, Half Million Eggs Per Season

3,000 S. C. White Leghorn and 2,000 Barred Rock chicks per week, also Brown and Buff Leghorns, R. C. White Leghorns, S. C. Black Minorcas, White, Black and Buff Orpingtons, White and Columbian Wyandottes, S. C. and R. C. Rhode Island Reds and White Rocks. Utility and fancy stock from 9 cents to 50 cents each. Broiler chicks, \$80.00 per thousand. Outsiders of the largest experience have pronounced our plant the best and most scientifically equipped of any in the country. Our chicks are stronger than hen hatched, withstand shipment and live. 5,000 pure bred hens kept under ideal conditions, lay eggs for this immense plant. If you are looking for quality and vigor, send for our free catalogue and price list.

THE CO-OPERATIVE BREEDING & HATCHING CO. : BOX A, TIRO, OHIO

**SUCCESSFUL POULTRYMEN**

know that yarded fowls must be kept active; that clean, sweet scratching grounds are necessary for good health of the flock; then turn under the top soil with an

**IRON AGE Wheel Plow**

and make yard fresh and healthful. Light, easily handled, effective. Price, \$2.50 with hoe, cultivator teeth, etc., \$3.50. Hill and Drill Seeder and Wheel Hoe with all necessary cultivating tools, \$12.00. 38 combinations to choose from. Also potato machinery, sprayers, etc. Write for our new booklet, "Gardening With Modern Tools."

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by ordering plans and instructions "How to Build Beck's Economy Brooder Coop." The missing link between the incubator and hen house. The cheapest and most durable outdoor brooder coop on earth. Can be built by anyone ordering these plans. Cost of materials \$2.40 to \$3.50 per coop. Rat and storm proof; removable floor; easily kept clean. Chicks will be stronger, death rate lower. Can also be used for breeding pen or colony house. Capacity 120 chicks, or 6 breeding hens, or 50 growing chicks. Blue print plans and instructions, \$1.00. Address R. L. Beck Box 25 Sullivan, Wisconsin

**FRESH CUT ROOTS**  
—contain great quantities of egg-making material. Makes your hens lay! Save money on feed—increase your profits. Keep all fowls in top notch condition. Banner Root Cutter makes enough feed in 5 minutes for entire flock. Cuts fast, in ribbon-like strips—easy for chicks to eat.

**More EGGS** No. 7  
**Root Cutter**  
cuts all vegetables—potatoes, cabbages, etc. Has adjustable steel knives. Low priced, nicely finished. Send name in now on postal for free book of all facts. Address O. E. Thompson & Sons, Ypsilanti, Mich.



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Do away with all the bother, the time and labor of feeding your chickens green sprouted oats, cabbage, beets, roots and all other green food.

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Greatest discovery ever made in the poultry industry. Simply dissolve a tablet in drinking water and forget about green foods. Fowls drink it with relish.

We guarantee satisfactory results or refund money.

By Parcels Post Only 100 large tablets \$ .50  
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1000 large tablets 3.00

Remit by money order, cash or check; no stamps accepted. Try them at once, and solve the green food problem forever.

THE SUCCULENTA CO., Box 4050 Newark, N. J.

## FOR \$1

That's how I ship my RIGHT INCUBATOR, hot water system, copper tank and heater, double walled, packed with mineral wool, triple top, double glass door, universal trays, self regulating.

## Electric Alarm Bell

the greatest feature in any incubator, an exclusive safety device not found in any other machine. It is original with me.

Anyone can claim best—I prove Right is, and will ship a \$60, 100 or 200 egg size incubator for \$1.00 and let you pay balance after examining same. Send for catalog of my full line of incubators and brooders.

H. M. Weber, Pres., Right Incubator Co.  
Box 67, Quincy, Ill.



## The Norwich AUTOMATIC EXERCISER & FEEDER

Operates with any Grain feed or mixture. Feeds much or little as desired. Adjustable for **BABY CHICK** or **ADULT FOWL**. Saves 25 per cent. of Feeding Expenses. Increases **EGG PRODUCTION**. Rat, Bird and Waste Proof. Never out of order. Endorsed and recommended by leading poultrymen and State Colleges. Thousands upon thousands in use everywhere.

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OR ANY GOOD LIVE DEALER

## THE UHL HATCHERY.

The Uhl Hatchery, New Washington, Ohio, was the second in the United States to embark into the day-old chick business, and is now the largest hatchery this side of Egypt. The main building of the Uhl Hatchery is 90x100 feet and there are two other large buildings, 28x100 and 46x100. Their capacity is 120,000 eggs, placed in ten mammoth hot water machines. They figure to hatch at least 30,000 chicks per week. They have made records of 95 per cent hatches and the chicks are as strong and healthy as if hatched by good mother hen, and they can go her majesty, the hen, one better, in that they are free from vermin and have been clean from start to finish. The fourth day 120,000 eggs are carefully tested and that means some labor. It takes some eighteen people to handle and care for hatches and keep things in running order. It is no small task to properly box and sort out 30,000 or more chicks and it could not be done if this hatchery was not rigidly systematic; as they are, everything moves on schedule and runs like clock-work. This hatchery shipped 280,000 baby chicks last year, beside what were reserved for their own breeders. The coming year they expect to ship 400,000 to 500,000 chicks. Many of the chicks win at good shows, for they are raised from choice stock. Last year they gave prizes for photos of chicks sold by them, as follows: 100 any chosen variety, for 1st prize photo; 50 any chosen variety for second prize photo, and 25 any chosen variety for third prize. Their catalog shows the pictures and gives the names of winners. This plan proved so satisfactory that they will do the same this year. They breed the following varieties: Barred Buff and White Plymouth Rocks; Buff, White and Black Orpingtons; Single Comb White, Buff and Brown Leghorns; Single Comb Black Minorcas; Rose Comb and Single Comb Rhode Island Reds; White, Silver and Golden Wyandottes; Light Brahmas, and Silver Spangled Hamburgs. This firm is entering its thirteenth season, and enlarging its capacity, which is the best possible proof of its reliability and honest methods. They issue a very fine catalog that plainly shows the cuts and explains their business methods. If in the market for getting good, healthy chicks that will live and thrive, write The Uhl Hatchery, New Washington, Ohio.—H. H. Coburn.

## A BIG INCUBATOR BARGAIN.

The old reliable Prairie State Incubator Company, who have been making incubators for 30 years, have just completed the largest and best equipped factory in the world.

This mammoth plant covers seven and one-half acres of ground and has been one and a half years in construction. Hand labor and "saw and hatchet" methods are now entirely eliminated. Powerful machines do the work in a few minutes that it formerly took dozen of high priced workmen to perform. Every incubator turned out is exactly like every other incubator of that pattern. Nothing is left to be guessed at. In buying a Prairie State Incubator every customer has the assurance that his machine is as near perfect as the most modern equipment and thirty years of successful experience can make it.

It is the ambition of the Prairie State Company to accomplish just two things: First—Make the best machine in the world, and, second, Reduce the cost of manufacture so that it can be sold at a reasonably low figure. That they have succeeded and as evidence of this—just read their half page announcement on another page, in which they offer a high grade, 60-egg Keystone incubator for the low price of \$8.00—the "Biggest Incubator Bargain of the Year."

They also publish a 112 page book on artificial rearing of poultry which contains much valuable information for the poultry expert or novice. This book contains chapters on Breeds, Selection of Layers, How to Feed Layers, How to Fatten and Feed Chicks, How to Grow Ducks, Poultry Buildings, Winter Laying Houses, etc. It also explains the principles of successful incubation which has made the Prairie State Incubator famous. A copy of this book will be sent free to anyone who writes for it. Address Prairie State Incubator Co., 50 Main St., Homer City, Pa.

## HUNTINGTON'S LEGHORNS WIN.

Mr. Leon C. Huntington, of Omaha, Nebr., reports having made winnings at the Interstate Show, held in Sioux City December 11-17, 1912, as follows: 1st, 3d and 5th cock; 2d hen; 1st, 2d and 5th cockerel; 1st and 2d pullet; 1st, 2d and 3d pen; also silver cups for best display White Leghorns, best display Mediterranean class, and best display by Nebraska exhibitor. This 1 re-

## BAWDEN'S BUFF ROCKS

Known to Buff Rock breeds as the best all round strain in the world. Prices very reasonable, and complete satisfaction guaranteed. Write your wants. JOHN BAWDEN BOX 20 RIDGETOWN, ONTARIO, CANADA

## BUFF ORPINGTONS

I won 2 firsts and 3 seconds in keen competition at the Great Northern Ohio Fair. I breed egg laying prize winners. At this time am offering some **Special Bargains in Males**. Will have four grand pens mated for egg trade. Write your wants, my prices are low and I will please you.

Carl E. Rogers : R. D. 2 : Painesville, Ohio

## Poultry Flats

A 64-page book that is a spellbinder for you. The new and easy way to raise poultry. Nothing like it elsewhere. This book is free with a years subscription to the Inland Poultry Journal, which is only fifty cents' Send today.

**INLAND POULTRY JOURNAL**  
21 CORD BUILDING :: INDIANAPOLIS, IND.

## CLOSING OUT

Our entire stock of W. P. Rocks, Pekin Ducks, and Carneau Pigeons. Will also rent plant, incubator, etc. very reasonable; a golden opportunity for someone. We invite your inspection.

**COXEYETTAPOULTRY FARM**  
BOX 64 :: MASSILLON, OHIO

## WHITING'S ROUPENE

**Positively Cures and Eradicates Roup, Canker, Diphtheritic Roup, Colds, Etc. PREVENTS CONTAGION**

Wm. H. Jones, Poultry Mgr., Cugley & Mullens, Philadelphia, says he **Knows Roupene Cures.**

Mr. Jones is one of the big men in the poultry business. Let us send you his letter. We have letters from hundreds of breeders who have cured Roup. Don't be discouraged—we guarantee Roupene to do what we claim or refund money. Regular size 50c, postpaid; sample bottle 25c. This is Roup season—write today.

"If the first feed of Baby Chicks is bread moistened with **Whiting's White Diarrhoea Remedy**, it will act as a sure preventive and cure of that disease."

**W. M. WHITING CO.**

25 Ashland Ave., EAST ORANGE, N. J.



## ANCONAS - - HOUDANS S. C. BUFF ORPINGTONS

BABY CHICKS AND EGGS FOR HATCHING

Line-Bred for years from the best stock money could buy, and with unlimited range and mountain air, our birds are superior in health, vigor and in general quality, shape and color. Eggs for hatching from selected matings and produced under the best possible conditions to insure fertility, stamina and quality in the chicks.

**Baby Chicks.** Our capacity is almost unlimited. Your wants will have prompt and the best attention. Breeding Cockerels for sale. Write us your wants, we have the stock to please you and we guarantee absolute satisfaction to all.

**Mountain Orchard Poultry Farm**  
Box 13 :: :: :: Narvon, Pa.



gard is the greatest triumph ever achieved by my White Leghorns, said Mr. Huntington, because the competition was extremely keen and the show over one-third larger than the great St. Louis show. Mr. Huntington had entries at both Chicago and St. Louis but owing to the demands by his customers for immediate shipments he was unable to get his birds to these exhibitions in time for competition. This was unfortunate, because it has been freely reported that Mr. Huntington had a string of youngsters in training for these shows that was truly phenomenal. Readers of American Poultry Journal who have an eye on headliner shows next season will do well to take our tip and learn about pens 1 and 2 of Peerless White Leghorns for 1913. These are some exhibition matings and Mr. Huntington will send any of our readers his mating list free on request.

### WESTERN BARRED ROCKS VICTORIOUS AT THE GREAT 1912 CHICAGO SHOW.

In the largest class ever shown at Chicago W. W. Henderson, 921 Security Building, St. Louis, Mo., made a grand winning. We have visited his farm at Bridgeton, Mo., which is one of the best equipped poultry plants that we have come across, where we found the grandest lot of Barred Rocks we ever saw. Judge Henderson does business on the plan "your-money-back-if-you-are-not-satisfied." We guarantee him to our readers.

### BARRED PLYMOUTH ROCKS.

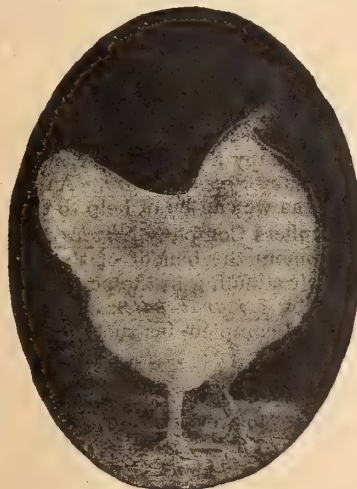
The "Hoosier Strain" was again victorious at the Great Chicago Show, December, 1912, winning 2d and 3d cock and 5th pen pullet mating in the largest and best class ever brought together. At the Chicago Show, December, 1911, we won 1st prize cock, generally considered to be the best male ever shown in Chicago.

At the last two Indianapolis shows, we won just half of the first prizes offered, or as many as the combined winnings of all competitors, besides numerous specials. It takes quality to win at Indianapolis and birds of our breeding have won at this show for ten consecutive years.

We have hundreds of birds for sale, all bred from noted winners, the best lot we ever offered, and will furnish you guaranteed winners for any show, large or small.

Fine breeders to produce winners mated by an expert. Utility birds bred from heavy layers. All stock sold at reasonable prices and shipped subject to approval. All birds are grown on unlimited range and have great stamina and vigor found only in the "Hoosier Strain."—G. Earl Hoover, R. 24, Matthews, Ind.

The Ohio Poultry Plant, Wellington, Ohio, specialty breeders of White Wyandotte Indian Runner Ducks, informs us that they have a large number of cockerels and pullets, cocks and hens for sale at small reduced prices. At the last Cleveland Show,



PERFECTION, JR.

Bred and owned by Geo. H. Rudy, Mattoon, Ill.

this farm showed one pen and won first. At the Wellington Fall Fair, they won first and second in strong competition. At the Wellington Show, held last month, they entered 13 birds and won 1st and 3d cock, 1st, 3d and 4th cockerel, 1st and 2d hen, 1st, 2d, 3d and 4th pullet, 1st and 2d pen, also specials for best pair and best display of Wyandottes, all birds competing and best pen in American class. This is good evidence of the quality of their stock.

## TOO LATE TO CLASSIFY

FOR SALE FANCY POULTRY and pigeons of all the leading varieties. On receipt of 10 cents we mail highly descriptive, illustrated catalogue, which gives full information of 49 breed of dogs; several breeds of cattle, sheep, swine, rabbits, ferrets; price list free. Chas. Landis, Dept. 307, Reading, Pa.

FLEMISH GIANTS. The largest rabbit that grows. Keller's Rabbitry, Tiffin, Ohio.

"WARREN'S AUTOCRATS"—SINGLE COMB Rhode Island Reds. Crowther strain. Blood lines that have won the Blue at all international shows in 1912. Have the type, color, which makes them the leading strain of Reds in the world. 300 cockerels for sale. Eggs in season. Send for mating lists. Mrs. Jennie Warren, Bell-Vista Farm, Mentor, Ohio.

INDIAN RUNNER DUCKS—Stock and eggs for sale at all times. Pure white eggs \$1.00 per 15; \$4.00 per 100. Also White Runner Eggs, \$3.00 per 15; \$8.00 per 50. C. W. Michael, Independence, Ind.

FOR THE FINEST and strongest blood line Buff Orpington Ducks and White Indian Runners and eggs, write—Catalogue free—Pineapple Duck Farm, Hickory Grove, Ky.

PARTRIDGE ROCKS—Choice and utility cockerels and a few pullets from prize winning stock. Nottzger's strain. Eggs after Feb. 15, 1913 from pens of show birds. Chas. A. Kellogg, Cambridge, Ill.

WHITE PLYMOUTH ROCKS—Farm raised, from prize winning stock of the Bickerdike strain. A few good cockerels and hens yet for sale. Am looking orders for eggs at \$5.50 per 100. Satisfaction guaranteed. C. F. Long, Wagoner, Ill.

WANTED—A GOOD POULTRY man who understands incubators, raising and dressing chickens and ducks on well equipped modern poultry farm, located 28 miles from Chicago. State experience and give references. J. B. American Poultry Journal.

WHITE ORPINGTON EGGS. Circular free. W. Schweppe, Sadorus, Ill.

50 CHOICE MAMMOTH PEKIN drakes at reasonable prices. James W. Houck, Tiffin, Ohio. 12-1

COLUMBIAN : WYANDOTTES Bred for best results. Trios mated for breeding, \$8, \$12, \$15; pens (5 birds), \$12, \$15, \$20. Circular free. H. H. Hewitt, Box 420 Williamsburg, Pennsylvania

# BYERS STRAIN ORPINGTONS

## BUFF, BLACK AND PEARL WHITE

During Jan'y I offer and will deliver, the best \$10 and \$15 cocks and cockerels, the best \$35 and \$50 pens, that I have ever known to be shipped for this money, and I know what the other fellows are furnishing for these figures. Absolute satisfaction is guaranteed you. Give this your prompt attention, for Jan'y purchasers are going to get my seasons best values.

C. S. BYERS

ORPINGTON SPECIALIST 14 YEARS

HAZELRIGG, INDIANA

# S. C. Rhode Island Reds

## THE VERDICT IS IN, AND VICTORY UNPRECEDENT IS OURS

At the great Philadelphia Show, Dec., 1912, my line of S. C. Reds won the leading and classy prizes of the entire show, in competition with all birds shown. They won 1st cockerel, 1st hen, 2d and 3d pullets and 1st pen in a class of 122 birds. My 1st prize cockerel was awarded the cup for best cockerel in the entire show, with every one of the 4000 birds competing. He also won color and shape specials with other specials for my entire entry. At Cleveland, Ohio, January, 1912, my 1st prize pen was the sensation of the show, judges and breeders saying they never saw one like it for quality and evenness. Write me your wants. If you want quality birds or eggs for hatching, I can supply you. Absolute satisfaction assured to all. Mention American Poultry Journal when writing.

Schenley Heights Poultry Yards, C. F. Rankin, Prop.

316 Fourth Avenue, Pittsburgh, Pa.

# Bean's Columbian Rocks

## Sensational Winners at the Club's Annual Exhibit, Phila., Dec., 1912

Winning in a large and strong class every first prize offered, and a majority of all. They also won the special for best display in the American class. Their winnings last year formed the best record ever made on any variety, and they promise to surpass everything, for they are better than ever. Their practical worth as layers has again been demonstrated to our satisfaction. They are result producers. Special: I am offering special mated pens of five (5) birds, bred from my best matings, at \$23.50. Larger lots at same reduced prices. Start now with Beans Columbian Rocks and be satisfied. Circulars free.

F. G. BEAN

BOX A

COLLEGEVILLE, PA.





GRANT M. CURTIS

President Cyphers Incubator Company—Head of Cyphers Company Service Department.

Mr. Curtis has been closely identified with the poultry industry—in a big way—for twenty years, as an extensive owner and breeder of fowls, as a poultry journal editor, as an incubator manufacturer and as an active supporter of the American Poultry Association. He is personally at the head of Cyphers Company Service Department and spends a large amount of time in this special work, because he believes thoroughly in helping those who try to help themselves.



W. C. ELLISON

Member Cyphers Incubator Company Service Department

Mr. Ellison has had many years of personal experience with Standard bred poultry, artificial incubation and brooding. Has spent much time in research and experimental work and made a special study of poultry diseases, their causes and cures. Fourteen years a poultry judge. Holds A. P. A. General license. Instructor at Agricultural Colleges and dept. editor of poultry journals.

# Learn All Cyphers Really Means

The men who are back of Cyphers Incubators and Brooders are back of *your success*. The moment you become a Cyphers Company customer you are entitled to the full benefits of Cyphers Company Service—the Service that goes farther, *means more* to help the poultry raiser than it has *ever meant before*. As now organized we are never out of touch with Cyphers owners, so far as we can be of help to them. Their problems are our problems.

The Cyphers Company *Service Department* has been established at great expense to give our customers the benefit of the knowledge and experience of practical poultry men, chosen for their standing in the poultry world—for their ability to advise by bulletins, timely booklets and by *personal letter* every customer, so that they cannot go wrong if the plain information and complete instructions are followed.

## The Men Who Safeguard Your Success

are here daily to answer *your every question*—to write you concerning every condition that may arise in your poultry work. Their advice is just as much to the point, just as practical, just as profitable to you as if they *personally visited you* at your home and made suggestions on the spot.

Mr. Curtis and his right-hand Advisory Aids and Division Correspondents, Messrs. Jackson, Jeffrey and Ellison, have entered into this work heart and soul.

# CYPHERS

For long terms of years they have been prominently identified with the growth of the poultry industry, not only as instructors and judges but as practical breeders. They are *sincerely in earnest* in their desire to give every Cyphers customer

## Service Heaped Up and Running Over

and are in a position to do it to your great advantage. The knowledge and experiences, the tests and records which guide these men in their advice to you *do not come out of books*. They represent the practical, down-to-the-minute developments and tests made on the

## Cyphers Company \$75,000 Demonstration Poultry Farm

On this fifty acre farm we have tested, long and repeatedly, practically every article sold by the Cyphers Company and have worked out the *simplest*, most practical methods for the *profitable production* of chickens, turkeys, ducks and geese. We have learned how to *feed correctly*, how to secure the *largest* egg yields—the *finest quality* of poultry meat.

And on this complete, all-purpose poultry plant our experts are learning continually *new lessons* of value to you—facts and experience which they pass on to you willingly to make your poultry raising a *much greater success*.

No matter whether your purchase is large or small, you have simply to become a Cyphers Customer to secure all this free aid and counsel, our free Bulletins of latest developments which are sent you regularly. Write as many letters as you like, the answers will be prompt—*complete*. And, remember, all this Service is without charge. It is greatly to our interest to help make your work *more successful*.

When you purchase a Cyphers Incubator and Brooder—or any of the Standard Cyphers Poultry Equipment, you stand to win from the very beginning—*because* you have the *right tools*. Cyphers Incubators and Brooders mean no troubles—heat or moisture or any other kind. They *also mean* big, uniform hatches—chicks *that live*. Self-regulating, self-ventilating. Substantial. Fireproof. They are made for men and women who are *in earnest*—who want a *real incubator*, not a toy, a make-shift or an experiment. The kind of equipment that fits into Cyphers Company methods, that insures the right application of our





# Company Service To YOU

## Free Bulletin and Personal Letter Service

The kind for business-like, *money-making* poultry raising.

Here are short extracts from a few letters showing how Cyphers Company Service has proved "extra good measure" for poultry raisers—how quality, plus Cyphers Service and Personal Advice, have insured *best results*, largest profits—the joy of *real success*.

W. E. COWING, *Provincetown, Mass.*—"The publication of "Cyphers Service" Bulletins calls for an expression of appreciation from every poultryman in the country."—Sept. 19, 1912.

F. W. DONALDSON, *West Alexander, Pa.*—"Cyphers Service" Bulletins are, according to our idea, about the best poultry literature that has been published."—June 17, 1912.

E. STEPHENS, *Clinton, Iowa*—"The Bulletins have helped me more than anything I have read on the subject. Cyphers Company customers are for-

tunate in dealing with a firm which gives them full value in appliances and stays with them over the rough places."—July 23, 1912.

J. J. KELSEY, *Rome, N. Y.*—"I consider this "Service" of great value to poultrymen. The Bulletins are concise and valuable to all who may have them."—July 8, 1912.

C. C. BUTTERFIELD, *Bunnell, Fla.*—"The Bulletins are valuable to any one interested in poultry. You are to be highly commended for establishing the 'Service Department.'"—June 12, 1912.

## "Profitable Poultry and Egg Production"

Don't lose sight of *this fact*; poultry meat and eggs will command—and keep on commanding *high prices* throughout 1913. Last season's shortage in the chick and egg crop is one reason. Another thing: poultry feed is unusually cheap *this year*, because of the farm-

# INCUBATORS and BROODERS

ers' bumper crops. These facts are in your favor. It is only a question of being rightly equipped and getting at the thing in a right, business-like way—having the right personal counsel and advice. All these things you secure with Cyphers Company Service and they don't cost you *one extra penny*. We want to tell you more about it—about our 1913 plans and methods—about how well organized we now are to give you the exact information and knowledge you require to back you up all the way through to *genuine success*.

## But Send Today—These Three Books are Free

Write at once for "Profitable Poultry and Egg Production"—positively the greatest free poultry book ever issued. Full of richly helpful, practical information worth *many dollars* to every poultry raiser who *means* business. 244 pages, instructively illustrated. Eight special chapters give the very *latest developments*, the most down-to-date methods for profitable poultry and egg production:

Chapter I—What is Possible in Poultry Meat Production; Chapter II—What Can Be Done in Way of Egg Production; Chapter III—Deep-Litter Feeding Experiments of 1912; Chapter IV—Quick Maturity in General Purpose Fowls; Chapter V—Ages and Weights of Chickens for Table Use; Chapter VI—How to Establish Prolific Egg-Yield Flocks; Chapter VII—Today's Best Chance in the Poultry Business; Chapter VIII—Small-Scale Poultry Keeping on a Practical Basis.

## Your Choice of Three Bulletins Free

This big, free book also tells you how to secure your choice of three of the latest Cyphers Company Bulletins and a free copy of our valuable book, "Reports of Successful Poultry Growers"—the book that contains the 80 reports that won the \$1,000 in cash prizes for the most valuable records and accounts of *poultry raising results* in 1912 all over the country. This book is worth hundreds of dollars to poultry raisers. Its contents alone cost us \$1,000 in cash outlay—and it's the best thing of the kind we have ever done. A copy will be *mailed free* to every reader of this paper who requests it. Write today for *your copy* of "Profitable Poultry and Egg Production"—also the \$1,000 Prize Contest Report book—both are free for the asking. Please send coupon herewith.

**Cyphers Incubator Company, Dept. 30, Buffalo, N. Y.**

Branch Stores: New York City, 23 Barclay St.; Boston, Mass., 12-14 Canal St.; Chicago, Ill., 329-331 Plymouth Court; Kansas City, Mo., 317-319 Southwest Blvd.; Oakland, Cal., 2127 Broadway; London, Eng., 121 Finsbury Pavement.



HOMER W. JACKSON  
Member Cyphers Incubator Company Service Department

Mr. Jackson has been a large-scale poultry raiser. Made a specialty of poultry and fruit combined. For six years conducted the "National Stockman and Farmer" Poultry Farm. Was Associate Editor of that publication. In 1909 became instructor in Poultry Husbandry at Pennsylvania State College and Agricultural Experiment Station. Author of several Poultry books. Farmers' Institute Lecturer. Resigned position at Pennsylvania State College to enter Service Department of Cyphers Incubator Company, June, 1912.



J. S. JEFFREY  
Member Cyphers Incubator Company Service Department

Mr. Jeffrey has raised Standard Bred Poultry since boyhood. Was Director of Western Ontario Poultry Association 1902-3. Served as Vice-Pres. Canadian Barred Plymouth Rock Club. Was placed in charge of North Carolina Agricultural Experiment Station in 1903. Four years later was advanced to Instructor in Poultry Husbandry North Carolina College of Agriculture and Mechanic Arts. Resigned this position to join Cyphers Company forces. Farmers' Institute Lecturer 1904-11.

PROFITABLE POULTRY  
AND EGG PRODUCTION

CYPHERS  
INCUBATOR COMPANY

BULLETINS  
CYPHERS COMPANY SERVICE  
DEPARTMENT

REPORT OF  
PRIZE CONTEST

COUPON

Cyphers  
Incubator Co.  
Dept. 30  
Buffalo, New York

Gentlemen: Please send  
free, copy of your book,  
"Profitable Poultry and  
Egg Production" for 1913, and  
the full facts about Cyphers  
Company Service.

Name.....

Address.....



## ASSOCIATIONS AND SHOWS

Secretaries are requested to send in news items of interest about their show for this department.

### ILLINOIS BRANCH AMERICAN POULTRY ASSOCIATION.

#### Annual Election.

Report, by the Election Commissioner, of the officers elected as shown on the face of the returns.

D. E. Hale.....President  
Frank Heck.....First Vice-President  
F. C. Hare.....Second Vice-President  
W. A. Peterson.....Third Vice-President  
Theo. S. McCoy.....Secretary-Treasurer

#### Executive Board, Three Years.

William Osburn.  
J. C. Johnston.  
O. L. King.  
Finance Committee.  
O. L. McCord.  
Fred J. Phillips.  
J. M. Rapp.

Place of holding annual meeting, Chicago, Illinois.

Time of holding annual meeting, second week, December, 1912.

The candidates received votes as follows:

D. E. Hale, President.....	67	Votes
C. W. Zimmer, President.....	47	"
E. J. W. Deitz, President.....	4	"
Frank Heck, 1st Vice-President.....	109	"
F. C. Hare, 2d Vice-President.....	108	"
W. A. Peterson, 3d Vice-Pres.....	107	"
Theo. S. McCoy, Secy.-Treas.....	107	"

#### Executive Board, Three Years.

William Osburn.....	62	Votes
J. C. Johnston.....	60	"
O. L. King.....	56	"
G. C. Cleveland.....	53	"
E. M. Whitney.....	47	"
J. T. Roundtree.....	35	"
F. A. Kaup.....	33	"

#### Finance Committee.

O. L. McCord.....	99	Votes
Fred J. Phillips.....	64	"
J. M. Rapp.....	61	"

#### Place of Holding Annual Meeting.

Chicago.....	59	Votes
Springfield.....	54	"
Peoria.....	4	"

#### Time of Holding Annual Meeting.

December, 1912, Second Week.....	48	Votes
January 6-12, 1913.....	41	"
January, First Week, 1913.....	14	"
January 8, 1913.....	5	"
January 13, 1913.....	5	"

#### Hold Over Members of Executive Board.

One Year—J. W. Cruzan, P. J. Myers,  
H. L. Shutts.  
Two Years—D. T. Heimlich, G. H. Rudy,  
W. O. Chase.

Howard S. Lytle,  
Election Commissioner.

Mattoon, Ill., December 5, 1912.

### FORT WAYNE SHOW.

Probably the greatest surprise of the season is the extreme liberality of the Fort Wayne Poultry Association. Besides their regular cash premiums, such as are offered by other associations, they are offering seventy-six silver cups, not one of which costs less than \$6 cash at wholesale prices and the retail value of such cups is not less than \$10 each. A number of the cups are worth \$15, \$20, \$25 and \$35 each. Four of the cups are worth \$50 each and two of the cups are worth \$75 each. We believe that this surpasses anything offered by any association along the same lines. These are not fictitious values, but are the actual values as would have to be paid for the same quality cups in cans in any store. The rules governing the awarding of these cups are so liberal that undoubtedly each and every cup offered will be won by some exhibitor. The American R. I. Red Club, the National S. C. R. I. Red Club, the White Leghorn Club and the Polish Club will have their state meeting in connection with this show, which takes place January 22 to 27, 1913. The show room is within two squares of the court house, right in the heart of the city, and the building is large enough to accommodate 2,500 birds easily. Please send in your name and address at once to the secretary, Mr. J. C. Howenstein, Fort Wayne, Ind., and he will forward to you the nearest premium list of the season. This list contains complete information in regard to the show and it will pay any exhibitor to write and get it.

The poultry exhibition of Pittsburgh will take place January 13-18, 1913, in the famous Exposition Building of Western Pennsylvania. Last year more than three thousand birds were entered and the indications are for a larger and better show this winter. In order to bring out the rare varieties, only three birds or pens have been required to fill a class. Ten dollars is offered for first pen, five dollars for second, and four dollars for first single, two for second. The cash prizes as well as silver cups and other specials may be won whether or not there is competition, providing the class or classes are filled. A handsome cup is offered for best display in every standard breed, thus placing all birds on an equal basis. The members of the association have requested and agreed not to show in competition so all prizes will go to the visitors. Twelve of the best judges in the

country have been secured to place the awards. About \$25,000 worth of stock was sold at the poultry exhibition of Pittsburgh last year, and as the attendance is always large at the Pittsburgh show, there is no doubt but what more stock will be sold this year than ever before. W. P. Craig, secretary, 303 Empire Building, Pittsburgh, Pa., will be pleased to give any further information.

The National Black Langshan Club held its annual meeting in Chicago December 6, 1912. The reports of the secretary and treasurer showed the club to be in a very healthy condition. The election of officers for the coming year resulted as follows: President, M. S. Barker, Throntown, Ind.; vice-president, William T. Blakely, South Pasadena, Calif.; secretary-treasurer, John A. Rhodes, Cedar Rapids, Iowa. Executive board, R. W. Bishop, Guilford, Conn.; L. E. Meyers, Bowling Green, Mo.; R. A. Hewes, Crete, Ill. The club has recently issued a catalogue which will be sent free to all who ask for it. Please address the new secretary. The future of the Langshans looks bright if all the breeders will join the club and help the work along.

The annual meeting of the American Houdan Club will be held at Rochester, N. Y., at the flower city poultry show, Thursday, January 9, 1913, at 2 p. m. There will be a large number of cash specials, together with about ten silver cups, and various club ribbons. Open to members of the club only. A copy of the American Houdan Club Year Book will be forwarded to anyone interested for 4 cents postage. Membership fee, \$1 per year. Address, J. A. Underwood, secretary, Penn Yan, N. Y.

The Consolidated Poultry and Pet Stock Association will hold its annual show at Bluffton, Ohio, January 27-February 1, 1913. This is one of the largest and best organized shows in the state of Ohio and they have employed two of the most noted breeders and judges to help make this show a grand success, namely: D. J. Kohli, with three years' experience in the show room, as our secretary, and Charles McClave to do the judging. Very liberal cash and special prizes will be given. Send for catalogue to D. J. Kohli, secretary, Bluffton, Ohio.

The result of the recent election by mail vote of the Rhode Island Red Club of America was as follows: President, Clifford C. Kaufmann, Nutley, N. J.; vice-president, Geo. P. Coffin, Freeport, Maine; secretary-treasurer, W. H. Card, Manchester, Conn. Executive committee for three years, Lester Tompkins, Concord, Mass.; C. C. Loomis, St. Matthews, Ky.; J. W. Simmons, Geneva, Ohio.

The new club catalogue of the International Rose Comb White Minorca Club will go to the press the first of February and all those wanting space in the same should get their ads and reading matter in early. For full particulars write the secretary, Ralph Roudebush, Hope, Ind.

## EGG PRODUCERS—If you want eggs buy Fishel's White Ply. Rocks

## STANDARD LINE-BRED S. C. WHITE LEGHORNS

EXCLUSIVELY

### I HAVE THE CHICAGO WINNERS

Which have swept the platter clean the last four years and have won more prizes than all other exhibitors combined. My first prize pullet and championship female at the recent show were pronounced by Judges as being the most perfect specimens ever on exhibition at this, the largest quality show in America.

### DON'T BE MISLED

And get your start from a bought reputation, but buy from a specialist who can prove conclusively by his winnings that he breeds the birds himself and knows the art of doing it. The Iowa, Oklahoma and Pennsylvania State Departments of Agriculture and United States Department of Agriculture are among my customers. They know where to buy the best grade of stock for demonstration and experimental purposes. No salvage goes with them. They want the goods. That's why they come here. I have plenty of cockerels, hens and pullets of the best quality I ever owned or saw. Write me your wants. Inclose 10 cents in stamps or coin for the original book of information on "Parkside Strain" of S. C. White Leghorns.



CHICAGO SENSATION—First Prize Pen Cock, Chicago, 1910. Pronounced by Judges the Finest Male Bird Ever Bred.

THE PARKSIDE POULTRY FARM, N. P. EASLING, PROP., BOX 40, PEKIN, ILL.

●● LARGEST AND BEST SPECIALTY SINGLE COMB WHITE LEGHORN FARM IN THE WORLD ●●





600 - Egg Bookcase  
Style Sectional Incu-  
bator. Sections oper-  
ated independently.

# Mandy Lee



300-Egg Incubator.  
Note the open-front  
ventilation, openings  
at the eggs. Mandy Lee Incu-  
bators are built in all sizes, 60-  
egg to 600-egg.

Heat, fresh air and moisture are the three necessities in hatching. The perfect hatch depends on your getting the right amount of each. How shall you do it? The Mandy Lee is the

## Incubator that Measures and Does Not Guess

Science reveals the right proportion of moisture to heat. The Mandy Lee Incubator applies the proportion automatically. High heat, low moisture—low heat, high moisture. Ventilation proportioned to the moisture and temperature. It is a matter of figures in the Mandy Lee Incubator. The Hygrometer measures moisture as exactly as the thermometer measures heat. And the Automatic Triple Regulator does exactly what the instruments indicate should be done. The Mandy Lee *adapts* conditions. It does not guess, *you* do not have to guess. The Mandy Lee is the one truly scientific incubator. Write and let us give you the proof.

**New 600-Egg Incubator.** Built in sectional form, one above the other. Other sections of 300 eggs each may be added. Advantages: Save heat, large incubator in small space. Sections operated independently, hatches may come off at different times. Built on the advanced Mandy Lee plan, with air-circulating device, etc.

**Germozone,** Geo. H. Lee's National poultry remedy, is indispensable in every yard. Cures Roup, Colds, Canker, Bowel Trouble, Chicken Pox. Lee's full line of Standard Poultry Supplies, including Lee's Egg Maker, Lee's Lice Killer and Lee's White Diarrhoea Remedy, is on sale with all leading dealers. Call for them. Write direct for valuable books on Incubators and Supplies.

**GEO. H. LEE COMPANY, 1101 Harney Street, Omaha, Nebraska**

## Incubators that Measure and Adapt Moisture and Ventilation to Heat

## The Name Behind the Product

*Tycos* Thermo-  
meters are  
BEST because  
they are made  
right and thor-  
oughly tested  
before leaving  
the factory.



**Absolutely  
Accurate**

"*Tycos*" on an Incubator Thermometer means much to the buyer. It assures best material, careful workmanship, thorough testing—absolute accuracy and reliability.

"*Tycos*" is the hallmark of thermometer quality. For sixty years it has stood behind Taylor instruments—a guarantee and assurance.

### Specify "*Tycos*" Always

The dependability of *Tycos* thermometers will increase the efficiency of your machines. They make methods certain; results sure.

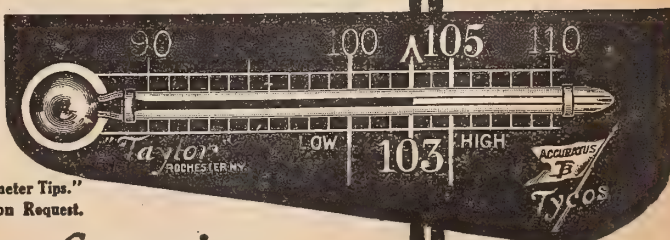
#### PRICES

<i>Tycos</i> Incubator Thermometer (Like Cut)	\$ .75
<i>Tycos</i> Brooder Thermometer	.75
<i>Tycos</i> Certified Incubator Thermometer	1.50
<i>Tycos</i> Hygrometer	1.50
<i>Tycos</i> Electric Alarm Thermometer	5.00
<i>Tycos</i> Electric Lighted Thermometer	2.50

Write for free Illustrated Booklet—"Incubator Thermometer Tips."  
Every Poultryman should have a Copy. FREE on Request.

**Taylor Instrument Companies**  
Rochester, N. Y.

World's Largest Makers of Thermometers for all Purposes; Barometers and Scientific Instruments.





The Hoosier Fanciers' Association, Anderson, Ind., will hold their fifth annual show February 11-15, 1913. Twenty silver cups and liberal cash prizes will be paid and the best judges have been secured. N. M. McCullough, secretary.

The Blissfield Fanciers' Club was recently organized at Blissfield, Mich., and will hold their first show February 4-8, 1913. Judge Mulinix will place the award. F. H. Wilbur, secretary.

The sixth annual show of the Zanesville Fanciers Association Co. will be held January 29-February 1, 1913, at Zanesville, Ohio. This association is incorporated under the laws of Ohio and is a member of the American Poultry Association. They are offering liberal cash and special premiums. S. B. Lane, judge; C. F. Clester, secretary, Zanesville, Ohio.

The fourth annual exhibition of the Muncie Poultry and Pet Stock Association will be held January 27-February 1, 1913. Shellabarger, judge. To know all about the handsome silver cups, the valuable specials, the finest silk ribbons ever

offered, the place to sell your \$10 and \$25 cockerels, the place for winning means business, drop a card to the secretary, W. H. Nation, Muncie, Ind.

The Lyle Poultry Association will hold their second annual show January 21-24, 1913, at Lyle, Minn. Large cash premiums will be offered in every class, also a long list of specials. Henry Hess, judge; William Nordland, secretary, Lyle, Minn.

The next annual meeting of the Rose Comb Buff Leghorn Club of America will be held at Indianapolis, Ind., January 15, 1913, in connection with the National Fanciers' Club. There are many cash, special and silver cups offered. There will also be an election of officers for the coming year. All are specially urged to attend this meeting and also to make as large a display as possible.

We have received a copy of the 1913 edition of the Partridge Wyandotte book and in our opinion this is one of the finest poultry catalogues ever issued by a breeder. This book contains thirty-six pages and cover, finely illustrated with

half-tones of scenes of the farm and illustrations of prize winning Partridge Wyandottes. The cover is beautifully printed and embossed in gold, which makes the book a work of art. This book is published by the Sheffield Farm, Glendale, Ohio, who are specialty breeders of Partridge Wyandottes. Everyone interested in this variety of fowl should secure a copy of this book. See their ad elsewhere in this issue.

For eighteen years one of the largest and best shows in the central west has been held in Cedar Rapids, Iowa, but the show for this year will lead them all in the liberality of its cash and special premiums. It is bound to be Iowa's greatest show. The dates are January 13-18, with Russell and Tucker, judges. For premium list address E. D. Monilaw, secretary, Cedar Rapids, Iowa.

The first annual exhibition of the Merry County Poultry and Fanciers' Association will be held in Duncannon, Pa., January 28-February 1, 1913. Competition open to the world. H. C. Hemperly, secretary, Duncannon, Pa.

## BABY CHICKS—U. R. Fishel's White Plymouth Rocks the Best in the World



### A WONDERFUL WINNING AT CHICAGO ON R. AND S. C. BLACK MINORCAS AND R. C. BROWN LEGHORNS

Six firsts, seven seconds, three thirds, one fourth and three fifths. We are offering 1,000 breeders and show birds that are bred from these winners. Utility flock in any number. Our Beautiful 30-page catalogue and poultry book will be sent for five red stamps. Price list free. Please mention American Poultry Journal.

Edgemont Poultry Farm -- W. O. Chase -- Box B, Hillsboro, Illinois



Two Females from Laddie Man's Harem, full sisters, sired by Prince Laddie out of Vixen.

## Archwood Yards

ORIGINAL SUSSEX STRAIN SINGLE COMB WHITE

## ORPINGTONS

LAY LIKE A GATLING GUN GROW LIKE A WEED

### Laddie Man's Harem

ONE of our special matings for the season of 1913, headed by Laddie Man, whom we believe to be the looest feathered yearling cock bird in existence, with females conforming to his standard, constitute the most superb mating that we have ever had the pleasure of offering. Eggs from this mating at \$25 per setting of 12 eggs. Eggs from the world's greatest exhibition matings, \$10 per setting of 15 eggs. Each and every bird in these matings has a show record at the largest shows on the continent that cannot be duplicated. Eggs from special matings, \$20 to \$30 per setting of 12 eggs.

### Cockerels

We have selected 100 cockerels, some early hatched, some late, each and every one of the highest exhibition quality and without a blemish, some weigh as high as eleven pounds, some as low as eight pounds, all are true Sussex strain birds and will breed into their progeny the characteristics of the strain. To move these birds fast, we offer them at \$25 each, not more than one to a customer, individual descriptions will not be given, neither will the privileges of shipping on approval be extended, however we assure you that your gratification on receiving any one of these birds will more than compensate you for whatever risk you may imagine taking as some of these birds are really worth hundreds while the poorest is good at twice the price. Eight of these birds were sired by Prince Laddie himself. They will be shipped as they run. We will absolutely not select a single bird from this lot for any individual, all will stand an equal chance of getting the best, no matter who he is.

ARCHWOOD YARDS, J. A. PARKER, CLEVELAND, OHIO  
PENS, TRIOS, INDIVIDUAL BIRDS OF ANY DESCRIPTION \$50 to \$500



# Wisconsins Victorious—Winners

Winner in Mo. Valley Farmer Contest in 1910. Also a winner in Successful Farming Contest in 1911 and 1912. Read the wonderful records below which prove beyond question that the Famous Wisconsin machines are the **BEST FOR THE MONEY IN THE WORLD.**

**in 3 Big Hatching Contests**

Mrs. Jerry McMahon, Veedersburg, Ind., with a 125-Egg Wisconsin Incubator, hatched 125 chicks from 125 eggs, in the 1910 Big Hatching Contest held by Missouri Valley Farmer, making her a Prize Winning contestant with over a thousand competing. (Sworn Statement).

Mr. C. B. Armitage, Atwater, O., hatched 88 chicks from 88 fertile eggs and 93 chicks from 93 eggs in the 1911 Contest, held by Successful Farming, with his 125-egg Wisconsin Incubator, making 100 p. c. hatches. The two highest hatches of any machine entered in the contest with two hatches.

Mrs. J. W. Mize, Vaughns Mill, Ky., won in the Big Hatching Contest held by Successful Farming in 1912, hatching 105 chicks from 105 eggs and 103 chicks from 106 eggs.

**If You Want to Get Results Like These—Why Take Chances?  
Get a Pair of These Unbeatable Machines—  
You Can't Go Wrong!**

It is folly to take chances with unproven, unknown makes, when you can get the Wisconsin with public records like these for as little and in many cases less money than others. Then, remember, our strong guarantee makes you doubly safe.

THOS. J. COLLIER  
Manager  
Wisconsin  
Incubator  
Co.

## Why Take Chances

**125-Egg Incubator  
125-Chick Brooder**

**Why Pay More? If Ordered  
Together  
Why Take Chances? Both for**

**\$10**

Freight  
Paid  
East  
of the  
Rockies

I stand ready to prove to you there are no better machines on the market for anything like my low price. I stand ready to let you prove it in your own home, to your own satisfaction (not mine), and pay the freight charges both ways. You take no risk—no chances. I will ship you one of my 125-Egg Hot Water Wisconsin Incubators and a 125-Chick Brooder on 30 days trial, and if you don't find it the best hatching outfit after 30 days trial ship it back, and back comes your money. Machines that win in the Big Hatching Contests year after year surely must have unusual merit. But, remember, they must win your satisfaction or I take them back—return your money—pay all freight cost. I have been advertising in this paper for years. The publishers know me and know that I do just as I agree. I am undoubtedly making the readers of this paper the most remarkable offer on high-grade incubators and brooders that has ever appeared in the paper.

## The Wisconsin Incubator

walls with dead-air space between; top has three walls; large double glass doors; tank and boiler; roomy nursery beneath egg-tray; self regulating; made of high-grade California Redwood, not paper, nor do we paint them to cover up cheap lumber, but we stain and varnish them so as to show quality of

is hot water  
type; has  
double side

has no equal at anywhere near the price. The brooder is a roomy, well made, properly heated and ventilated machine. Fitted with hover, oil lamp and wire scratching yard as illustrated. Both machines complete—set up, ready to use with Taylor "Tycos" thermometers, O. K. burners, safety oil lamps, egg tester—everything but the oil—all for only \$10.00.

**Order Now, DIRECT FROM THIS  
ADVERTISEMENT**

**at My Risk—Money Back if You're Not Pleased—**  
at any rate don't buy until you send for my FREE CATALOG.

Write for a copy today, so that you can compare the material we are putting in our Wisconsin incubators and brooders with the material other makers are using. If you will do this we know you will order a Wisconsin.

I want you to have this book, and I will gladly send it to you free and postpaid. It tells all about these wonderful machines and shows how others have made big money in poultry, starting with the same complete Wisconsin outfit which I offer you for only \$10. If you send your order in, I will send you the book, anyway; it will be valuable to you while you are trying the machine for 30 days.

(16)



Natural  
Finish  
California  
Redwood

125-Egg  
Incubator

125-  
Chick  
Brooder

**30 Days' Trial**

**Both For Only \$10**

**Wisconsin Incubator Co., Box 50, Racine, Wis., Thos. J. Collier, Mgr.**

## Proof in a Nutshell

Here are a few comparisons of "proofs" that will help you to avoid making a mistake in deciding which machines to buy:

**1st** The Wisconsin has double walls with dead air space, a decided advantage. Some have no dead air space.

**2nd** Egg chamber in the Wisconsin is fully ten inches deep. Some, to cheapen cost of making are scant 8 inches deep.

**3rd** This makes the nursery less than 2 inches and too shallow for little chicks. In the Wisconsin the nursery is 3 inches deep.

**4th** In the Wisconsin there is plenty room between the egg tray and the door for the chicks to get in the nursery. In some incubators you have to open the door in order to put the chicks in the nursery.

**5th** The Wisconsin has large double glass doors through which the thermometer can be easily read. Some have a small single glass, making it necessary to open the door to read thermometer.

If you will make these comparisons, weigh them well, I know you will order my machines and be better pleased, for these are cold facts which actual comparison have proved.



SECTIONAL VIEW, Showing the Double Walls and Dead-Air Space Construction of Our Machines.



## SHIPPING EGGS BY MAIL.

What Will Be Possible in a New Development of the Poultry Business as Soon as the Parcels Post Goes Into Effect.

That the big poultry plants, especially those near the large cities, are going to make a great and very profitable development out of the new parcels post act in the matter of mailing eggs to customers, seems undoubted judging from the preparations now nearing completion at the Tywacana Farms Poultry Company, the big Rock and Leghorn establishments at Farmingdale, Long Island.

Tywacana, which is well known to poultrymen throughout the East, both for its excellent eggs, day-old chicks and breeders and its distinctive Indian Head trade mark, is one of the foremost poultry farms in the vicinity of New York City. Established some years ago by E. F. Yoakum on his Long Island estate, Tywacana is now under the management of A. E. Wright, a poultryman whose name is familiar to poultrymen throughout the East for his prize winners in Madison Square, St. Louis and other big shows. Mr. Wright is a man of progress in poultrydom, and it is characteristic of him that he has grasped this great opportunity by the forelock.

In a few words the proposition is simply this: From the Tywacana Farms will be shipped, daily, fresh eggs to the consumer in the large cities nearby. In place of being given to the expressman, however, and starting on a journey that may be precarious as to the length of time it consumes, and very probably will be dangerous to the eggs as to the character of the handling, these same fresh eggs, neatly done up in specially designed and patented boxes, will go via Uncle Sam's efficient and expeditious route, and be delivered in the morning by a gray uniformed postman with a whistle.

An excellent idea, eh? Sound to the core, provided one thing is looked after, states Mr. Wright. This thing is none other than the absolute necessity for carriers that will prevent the eggs being broken in transit. The whole business rests upon the boxes in which the big white hen fruit is packed.

To get around this Mr. Wright is going to make his own boxes. They have been especially designed and invented for this express purpose. And in order to have enough of them at all times to handle the great Tywacana trade in eggs, Mr. Wright is putting up a factory to manufacture these boxes himself, at Tywacana.

These parcels post egg boxes are made

of double corrugated board, tight, trim and strong as steel. They are light and very cheap, easy to pack and put together, and—but what's all this got to do with the Tywacana mailing egg scheme? Nothing more than this—Mr. Wright, realizing what a big thing this parcels post is going to be for the poultryman, and looking ahead at the inevitable demand for egg shipping boxes, has simply made the factory larger and prepared for selling the boxes, together with larger boxes for shipping hatching eggs and day-old chicks, to poultrymen generally.

Poultrymen cannot realize the importance of the package in the egg business. There is nothing that so pleases a customer and renders him so likely to be satisfied with his article than to have that article arrive in a neat, clean, attractive package. It makes for good will, more business and less kicks and claims for damages.

These boxes manufactured at Tywacana are about as neat, clean and attractive as can be made. They are also cheap and meet every requirement of strength and durability. A sample will be sent to—but better still, there is a neat little booklet, illustrated and nicely gotten up, that will describe these boxes to the queen's taste. Drop Mr. Wright a postal today, addressed to Farmingdale, Long Island, N. Y., and get a copy of this book. It will tell you some things about shipping eggs and chicks that may help you. It will certainly be interesting as describing a novel departure in the poultry world.

A. A. Carver, Lock Box 2, Seville, Ohio, the well-known breeder of Single Comb Reds, has a change of copy in his ad on the back cover page, also has an additional ad in this issue. It would be well for those interested in Single Comb Reds to read these ads over carefully, as he has some magnificent red cockerels, and his price for eggs will not be raised on account of his big winnings; and his matings are the best ever.

Dr. L. D. Le Gear, Kirkwood, Mo., breeder of White Plymouth Rocks, reports the following winnings this season: At the Arkansas State Fair, Nov. 11-16, 1912, he entered seven cocks, eleven hens, four cockerels, six pullets and won as follows: first, second and third cock, first, second, third hen; first, second, third cockerel; first, second, third pullet; first, second, third breeding pen. One silver loving cup for the best fifteen White Plymouth Rocks in the show. A \$50.00 Special Cash Sweepstakes prize for the best 25 birds in the show, regardless of breed. Competition open to the world.

His White Plymouth Rocks also won 13 out of a possible 16 prizes at the great St. Louis show, 1911. His last winning was made at the Missouri State Poultry Show at Springfield, Mo., December, 1912, where he won all specials in the White Rock class and one-half of the regular prizes including 4 first, 4 seconds, 3 thirds, 5 fourths and one fifth. For further information address Dr. L. D. Le Gear, Kirkwood, Mo., or 713 Howard St., St. Louis, Mo.

We take pleasure in announcing to our readers that on and after January 1, 1913, the Sunswick Poultry Farm, South Plainfield, N. J., will devote all their time, thought and skill to the development of the Single Comb Buff Orpington and the Buff Orpington Duck. Since the day old chick business first came into vogue a few years ago, they have been carefully studying all sides of the question, and have finally come to the conclusion that it has come to stay. Still another conclusion is this, that the day of the poultrymen who raise more than one variety is passing, and the day of the specialist is here. The Sunswick Poultry Farm has bred both black and white Orpingtons and have made some of the most sensational winnings with each variety that it was possible to make, and they have raised the grandest birds of each variety that ever were raised, and although they have brought each of these birds to a state of perfection, and though even rival breeders acknowledge that they have some of the finest birds in the country, yet they are discarding the Blacks and Whites in order to specialize in their one choice of all, Single Comb Buff Orpingtons. They inform us that they have built a large up-to-date incubator cellar and have installed a Hall Mammoth Incubator, and will be in a position this season to supply any quantity of Single Comb Buff Orpington day-old chicks or Buff Orpington ducklings. Anyone interested in either of these varieties should write them for full particulars.

C. L. Cunningham & Son, Caruthersville, Mo., are making a special sale on cockerels and pullets this month. They are of the best breeding and have many direct from Kellerstrass that they are making special prices on. They have been winning their share of the premiums at the shows. At Memphis they won over Cook on pen and over Owens on cockerel. They also won over Cook on pen in St. Louis, and over every small breeder at this show on cockerel. Winning in such company as Cook, Fisher and the large breeder from Kentucky.

## EGG PRODUCERS—If you want eggs buy Fishel's White Ply. Rocks

# Don't Let The Profit Slip Through Your Fingers

Start 1913 right. Resolve to bid good-bye to your poultry losses. Let us show you how to add an extra \$1 to every \$7—and win new customers at higher prices.

## OUR GUARANTEE Money Back If Not Satisfied

You are the judge and the whole jury. Write us how many hatchings you ship each year, the number of baby chicks and fresh eggs and present method of delivery, and we will send you information that will increase your profits.

**Higher Prices, Fresh Eggs**—The Brennan law and Parcels Post mean a lot to you. The increased demand and lower cost of transportation combined with our Farmers' Modern Egg Crates, Safe-Eg-Pak 100 Krate and sale-plans will add at least 40 per cent to your profits.

**Farmers' Modern Egg Crates**—Only one handling from nest to customer. Breakage impossible. Provides economical advertising plan for building up individual trade.

**For Breeders**—A simple method of marking each carrier with a pen number and date. Ideal for turning eggs. No handling of each egg.

**Parcels Post**—Write us about your individual conditions and we will answer your questions, even to rates and markets—also how you can avoid all breakage and vibration and insure the

perfect "hatchability" of Your Settings by Safe-Eg-Pak, Specially designed packages for shipping fresh eggs.

**Ship Baby Chicks?**—By all means get the details of our special package—Star-Chick-Box scientifically ventilated. No square corners. Circular interior. Transports delicate chicks safely. Set up—ready to use.

Our STAR SHIPPING COOP same principal. No breakage of plumage. Birds not frightened.

All packages are made of kiln-dried wood. Made light to reduce express charges. Returnable, so durable they can be used repeatedly. Pay for themselves many times over.

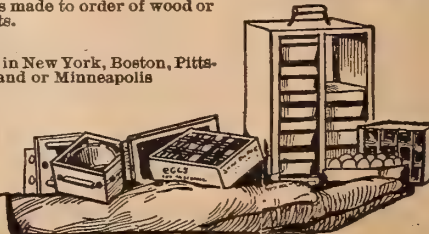
Special PARCELS POST packages made to order of wood or paper to suit your individual wants.

Agents wanted in every county.

Visit our booths at Poultry Shows in New York, Boston, Pittsburgh, Richmond, Buffalo, Cleveland or Minneapolis



These Will Save Them



**STAR EGG CARRIER & TRAY MFG. CO.**

100 DALLAS STREET, ROCHESTER, N. Y.

Only concern in U. S. Making egg and poultry-carrying devices exclusively.

**VALUABLE LITERATURE AND FREE SELLING PLANS**



They have as fine birds as can be found on any small breeding farm of the country. They started right and have been very successful in their matings and have bred all their winners that they have shown this year, which speaks well for them as breeders. Write them if you are in the market for high-class stock.

### MAKING POULTRY PAY.

The poultry plant is the natural place for a central custom hatchery. Almost every poultryman is asked to hatch eggs for his neighbors and usually the business is declined because the poultryman hasn't incubator capacity enough to handle it. Now when any business comes unsolicited it is a pretty good tip that there would be a good deal more if one went after it. That is just the opportunity that is waiting for the man who opens up a central custom hatchery.

The proposition is sound to the core. Everyone knows that one man who makes a specialty of a certain kind of work can do it better and cheaper than a lot of men who only dabble in it. If a man has say a 2,400 egg incubator capacity, he could run it with less work and attention than ten men in different places, each running 240-egg machines. At \$2 a tray, a 2,400-egg machine would earn \$64 per hatch. Other sizes figure in proportion. The customers bring their eggs and call for their chicks. To keep a 2,400-egg machine full, the operator would only need to take in 115 eggs a day—less than two trays a day. When you think of the amount of eggs hatched in your section that isn't even a drop in the bucket. Now the way to start and run a hatchery is told in full in a custom hatching booklet, sent free by mentioning this paper and writing the Candee Incubator and Brooder Company, Eastwood, N. Y.

### TO WHOM IT MAY CONCERN.

The following is to the effect that I have sold and delivered to G. D. Curtis of New York City, president and treasurer of the N. Y. & N. J. Poultry Farms, Inc., my entire stock of Rose and Single Comb Black Minorcas, which is the stock and its descendants purchased from Geo. H. Northup & Son, May 21st, 1909. Together with my entire stock of Minorcas, Mr. Curtis received my lists of customers, cuts of birds and the good will of the business.

One very important stipulation of the agreement is, that the entire stock of birds shall be placed in the care and custody of Marcus Allen Northup, the well known manager of the N. Y. & N. J. Poultry Farms, to be bred and managed according to the best of his ability and judgment along the same lines which his father had followed for twenty-three years previous to my purchasing the stock.

Mr. Northup has now the entire management of this noted flock of Minorcas, and I am confident that Northup's Minorcas will reach a higher excellence than ever before in the history of Minorcas. Mr. Northup is better qualified than any other breeder to advance the interest of this famous strain of poultry, because he has been associated with his father in breeding the same strain and all the blood lines are familiar to him. He is in possession of all the breeding secrets by which his father made Northup's the most famous strain of Minorcas in the world, and these same blood lines will be continued to the betterment of the breed.

While visiting a week last September at the N. Y. & N. J. Poultry Farms, I was much pleased to note so many good Minorcas there, true Northup strain, with their long backs, high graceful carriage, low tails and green sheen to the plumage.

In conclusion, I wish to heartily thank all my customers and friends for their valued patronage during the past three and a half years that I have been in the Minorca business on the farm at Raceville, N. Y., and I cheerfully commend them to my successor for high class breeding stock and eggs, and honorable square dealing.

George W. Hey.

Raceville, N. Y., October 21, 1912.

In the foregoing two sales of the famous Northup poultry business are recorded: One to Geo. W. Hey from Geo. H. Northup & Son, and the other from Geo. W. Hey to New York and New Jersey Poultry Farms, Inc., Orangeburg, N. J.

After the first transaction mentioned, Mr. Hey continued to breed the genuine Northup strain Minorcas at their original home. Mr. George H. Northup retired from active business and Marcus Allen Northup, the junior member of the firm of Geo. H. Northup & Son, engaged his services for a term of five years to the New York and New Jersey Poultry Farms, and after purchasing a few pens of extra

fine, genuine Northup Strain Minorcas, he commenced breeding and selling stock from that farm. Thus for the past three years there have been two farms breeding the genuine Northup Strain Minorcas in its purity, yet the demand was so much in excess of the capacity of both farms that there has never been any competition between the two breeders.

Before entering the poultry fancy Mr. Hey was a musician of considerable ability and prominence, and he was very much disappointed to find that poultry breeding on a large, up-to-date farm demanded too close attention to permit him to keep abreast of the times in his profession, so after much hesitation he decided to quit the poultry business and offered his stock of Minorcas for sale. New York and New Jersey Poultry Farms were the successful bidders, and on the 21st day of October, 1912, the final papers in this transaction were signed and Marcus Allen Northup, manager of New York and New Jersey Poultry Farms, Inc., took possession of the celebrated poultry.

F. O. Wellcome, inventor and patentee of the "Ideal" trap-nest, is the pioneer in

this line, and has sold his trap-nest in every state and territory in this country, also in many foreign countries. He recently received a communication from W. W. Emerson, Winnipeg, Canada, in which Mr. Emerson stated "Our attention has been called to your 'Ideal' trap-nests and monthly record sheets as necessary features in successful poultry farming today. We understand, through Professor Herner direct, that these fixtures are being used at the present time in the poultry department of the Manitoba Agricultural College." When such people as Prof. Herner recommend an article there is no doubt about its being all that is claimed for it. Mr. Wellcome issues a catalogue which gives full particulars about his specialties. This may be had for the asking if you mention American Poultry Journal.

W. W. Kulp, Pottstown, Pa., reports the following winnings at the late Philadelphia show on Rose Comb Brown Leghorns: First cockerel, first and third hen, second pullet. On Rose Comb White Leghorns, first cock, first cockerel, first hen.

## Let Me Save You Money on Your Incubator

I don't care how large or small a machine you want, I can save you money on it. I know incubator values from A to Z. I know what it costs to build them and I know how cheaply the best incubator can be sold. I have been building them for over 31 years. I own the largest incubator and brooder factory in the world. I know what I am talking about. I know that you will receive one of the biggest surprises of your life when you

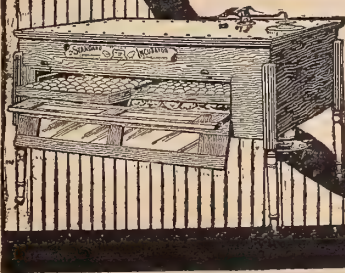
### Get My Rock Bottom Prices on the "Reliable"

Here's an incubator that's made of absolutely the best materials from beginning to end. Thoroughly seasoned matched cypress lumber is used in its construction. A double heating system is built right into the incubator. Yet you can get at it in a second. The Reliable has an accurate regulator—tanks of cold-rolled builder's copper—metal chimney—government standard tested thermometer and all-metal safety lamp. No matter how cold the weather, you can absolutely depend on the Reliable. No worry—no trouble—no bother. It is guaranteed to hatch any egg that can be hatched—in any altitude. No machine can do more. Do you know of any other of which you can be so sure? Built in 7 sizes. One is just your size. Get my prices. Don't buy until you do. Write tonight.

### RELIABLE BROODERS

Are made of the same high grade materials with the same workmanship and care as our famous incubators. Choice of either Hot Water or Hot Air heating. Made in four sizes—for 80, 120, 220 and 300 chicks. Send for detailed description and prices.

J. W. MYERS, President,  
RELIABLE INCUBATOR &  
BROODER CO.,  
Box A-1 Quincy, Ill.





## TO WHOM IT MAY CONCERN.

This is to certify that we have this day sold to Buschmann-Pierce Red Farms our entire flock of R. C. R. I. Reds, including all our winners and selected breeders. Among the winners being 1st cock, 2d hen, and 1st pen at Madison Square Garden, December 1911, the cock that won 3d at New York 1911, also first at Nashville and Memphis 1912, and the first Memphis cockerel 1912. This flock is one of the finest in American, and added to their already great flock, will make them unbeatable.

(Signed) Owens Farms,  
Maurice F. Delano, Mgr.

CARL E. ROGERS, PAINESVILLE, O.

The Buff Orpington breed by Mr. Rogers distinguished themselves by winning two firsts and three seconds at the Great Northern Ohio Fair. The competition was very keen and this win proves the quality to be found in Mr. Rogers flock. He is offering some special bargains, in male birds for the next thirty days. He can please you in both quality and price. Better send for his sales list. His ad appears elsewhere, look it up. Mention A. P. J. when writing.

The Berrydale Experiment Gardens of Holland, Mich., have just completed their 1513 book. They have been issuing this book for many years, and in strawberry circles it is recognized as a standard publication. It is used as a text book in horticulture in more than thirty of the agricultural colleges of this country; it goes to every agricultural county in the United States; thousands of copies are sent to the Dominion of Canada, to Europe, to Cuba, to South America, to Mexico, and many copies are sent to Australia, Asia and Africa. We believe it is the widest read book on horticulture published anywhere in the world. You may be interested to know that the edition for 1912 of 175,000 copies was exhausted several months ago, and the 1913 edition is composed of 185,000 copies. Send for a copy to R. M. Kellogg Co., Three Rivers, Mich.

The Tiffin Chick Hatchery, Tiffin, Ohio, are making great preparations for a large trade in day-old chicks this season, and will be in position to handle all orders promptly, no matter how large or how small. Send for their catalogue and prices on what you want.

A. & E. Tarbox, Yorkville, Ill., foremost breeders of Silver Wyandottes, inform us that they will not exhibit at any other shows this season and that they can supply winners for any show. Their winners at Omaha were 1-3 cock, 1-2 hen, 2-3 cockerel, 1-3 pullet, 1 pen. Their St. Louis winnings are reported on another page of this issue. Write them and mention American Poultry Journal.

other page of this issue. Write them and mention American Poultry Journal.

Mrs. Reginald Stonestreet, owner of Park Poultry Yards, Nashville, Tenn., reports the following winnings at Columbus, Ga.: On White Orpingtons, 1-2 pen, 1-4 pullets, 2-3 hens, 2-3 cockerel. On Partridge Rocks 1st pen, 1st cockerel, 1st pullet, 1st hen. Also the following specials, \$100.00 cup for the best pen in whole show, \$50.00 cup for best pen White Orpingtons, \$50.00 cup for best pen Partridge Rocks, \$50.00 cup for best display Orpingtons, \$25.00 cup for best cockerel and pullet exhibited by a lady, \$25.00 cup for best display exhibited by a lady. White Orpington Club medal for best pen, White Orpington Club ribbon for best pen, White Orpington Club ribbon for best pullet. This was certainly a most remarkable winning, and Mrs. Stonestreet is to be congratulated on same.

Buff Poultry Farm, Fred A. Poertner, proprietor, Berea, Ohio, reports a fine lot of stock on hand this season in their "Wingold Strain." Buff Wyandottes, Buff Rocks and Single Comb Buff Orpingtons. Mr. Poertner will make up several high-class pens of each of these varieties for the egg trade this season, and before placing your order you should communicate with him for full particulars.

On page 1732 of our December issue appeared an ad of R. D. Owen, Preston, Ohio, breeder of Silver Wyandottes. This should have been Creston, Ohio. Mr. Owen has a change of copy in this month's issue and we request our readers to look up his ad, as he has something interesting to offer.

This is the season of the year when you should provide your fowls with a good dust bath. If you are not using Dustyne for this purpose you can do no better than to give it an immediate trial. The Poultry Dust Bath Company of Whiting, Indiana, manufacture this dust bath. Their ad appears elsewhere in this issue.

One of the main attractions at the great Chicago show was the display of forty male birds and a number of choice hens and pullets owned and bred by Geo. H. Rudy, Mattoon, Ill., the well-known breeder of "Perfection" White Wyandottes. This display included a pen headed by the celebrated "Perfection Jr.," the bird which was never beaten in any show room. "Perfection Jr." is now six years old and carries himself with all the grace and proudness which brought the ribbons to his owner wherever he was exhibited.

Another feature of Mr. Rudy's display was a pullet with seven chicks, which she hatched from her own eggs four days before she was five months old, thereby proving that "Perfection" White Wyandottes mature early.

Cockerels sired by "Perfection Jr." and which show the excellent quality of their breeding were also on exhibition and brought forth favorable comment from the visitors. Mr. Rudy reports that he sold a good many of these birds; but has others just as good at home. If you desire White Wyandottes of quality at reasonable prices, address Geo. H. Rudy, route 15, Mattoon, Ill.

Bennington, Vermont, Dec. 12, 1912.  
Mr. T. A. Faulds,  
London, Ont.  
Dear Sir:

I feel that it is due you to tell you how the cock and two pullets that I purchased of you last year have panned out. The pullets layed all through the winter and I raised from them and the cock the best stock that I ever had. All the young birds show their breeding. I have cockerels hatched in May that weigh 7 1/2 pounds. All have good long backs, dark eyes and fine color. I have bought birds from some of the best breeders in the country and I will say that none of their stock comes near yours for quality. I intend showing at Boston in January with the old cock and a couple of his get.

Will you kindly advise me if you can tell from your records just what relation the cock and pullets that you sent me are. I wish to know this for future breeding. Both of the latter came through the moult in good shape and are now laying—and they lay good big eggs. A number of birds that I have purchased lay very small eggs compared with yours. You are at liberty to publish this letter if you see fit.

Yours truly,  
H. H. Shields.

## "DON'T BE A CLAM."

A man from Missouri came to see my plant. Any man you simply Tell, if from Missouri, you must Show him. He saw the Mammoth Machine at work. He saw the laying house at work. He saw the breeding house at work, with a day and night shift. He ordered 800 chicks, and said: "Now I want to see the pretty girls." I showed him a sample (not the best, they won't leave home). He cried: "That is enough, you have the goods, they are full yard wide and will not shrink in the wash."

Darlington Egg Farm. Alfred P. Edge, Box B, Darlington, Md.

# YOU SAVE

LABOR, save feed and get more eggs by using Simplicity Feeder and Exerciser. Price—10-quart, \$2; 20-quart, \$3.

Simplex Supply House : Pontiac Building : Chicago, Illinois



# WHITE ORPINGTONS

Magnificent youngsters fit for any competition. No matter how large or how small your show I can positively help you win. Am especially strong in exhibition hens, cks, and pullets. They are beauties! Also grand breeding males. My winning of the big silver cup for best display of White Orpingtons against the best that England and America produces at Chicago last December, besides 1st pullet, 2d ckl, 3d hen and 5th cock at the same show the year before, is ample proof of the quality of my stock. Write me before buying.

Dr. Guy Blencoe

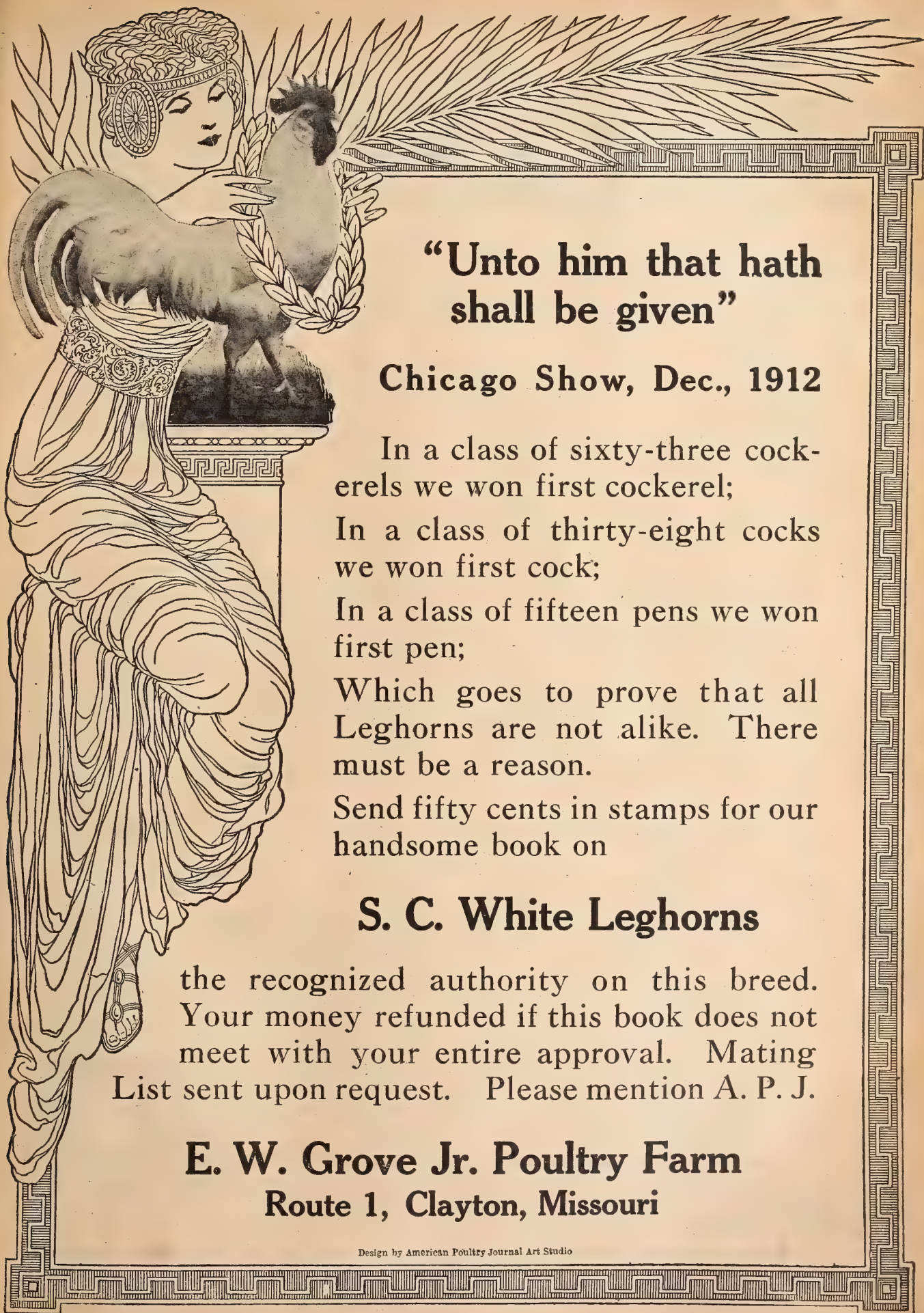
Alma Center, Wisconsin

# VICTORY UNEQUALLED

Has been the record of the Monmouth Strain of S. C. Buff and White Leghorns in the hands of our customers at the Fall shows. The winning of first pen, first and fifth cockerel and second pullet by one of our patrons was the sensation of the great Allentown show. The quality of our Buffs and Whites is the talk of expert fanciers. We will not exhibit at Madison Square Garden or at any of the eastern shows this season, so we are in a position to supply you with winners both in old and young stock. You cannot afford to let this opportunity pass. Write us your wants immediately. A grand lot of utility pullets, cockerels, yearling hens and cock birds in both varieties ready for shipment. NOTE—Send 25c for a reproduction in colors of Schillings' wonderful oil painting of the greatest trio of S. C. Buff Leghorns ever bred. A masterpiece worth having. Mention this paper when writing.

Monmouth Poultry Farms, J. C. Punderford, Owner, Freneau, Monmouth County, New Jersey





**“Unto him that hath  
shall be given”**

**Chicago Show, Dec., 1912**

In a class of sixty-three cock-  
erels we won first cockerel;

In a class of thirty-eight cocks  
we won first cock;

In a class of fifteen pens we won  
first pen;

Which goes to prove that all  
Leghorns are not alike. There  
must be a reason.

Send fifty cents in stamps for our  
handsome book on

## **S. C. White Leghorns**

the recognized authority on this breed.  
Your money refunded if this book does not  
meet with your entire approval. Mating  
List sent upon request. Please mention A. P. J.

**E. W. Grove Jr. Poultry Farm**  
**Route 1, Clayton, Missouri**



# Buy Your Incubator of Chas. A. Cyphers



**Let Me Save You 50%** My new incubator, the Buffalo, fulfills the life-long demand of thousands of poultrymen for a **Standard Hatcher** at a reasonable price. It offers all the Quality of the best high-priced incubators, at **half the price** of any other incubator containing the **Cyphers Principle**.

## Sterling Principles Maintained

Every vital principle that made my Original Cyphers a World Success is embodied in the Buffalo. The same three-compartment heater; the diffusive ventilation; and the sensitive and accurate regulator; combined with heavy insulation and durable construction; with refinements not included in the original.

Buffalo Incubators insure you big hatches of strong chicks that live and are easily raised to make money for you. Look what they did for these men:

### Buffalo Hatched Pullets Win International Egg Laying Contest.

Sayre, Pa., November 25th, 1912

Mr Chas. A. Cyphers, Pres.,  
Buffalo Incubator Company.

Dear Sir:—It probably will be interesting to you to know that my pen of five pullets which won the Philadelphia North American International Egg Laying Competition at Storrs, Conn., laying 1071 eggs in a year, were incubated in a No. 3 Buffalo.

The Buffalo Incubator runs itself. The hatch percentages were very large—a strong and vigorous chick from practically every egg. My prize winning pullets came out bright and lively, and were laying the second week of November.

Yours very truly,  
F. G. YOST.

—Breeder of Keystone State Strain,  
Single Comb White Leghorns.

### Buffalo Incubator Owner Wins Poultry Item Premium for Best Hatching.

New Park, Pa., November 25th, 1912.

Mr. Chas. A. Cyphers, Pres.,  
Buffalo Incubator Company.

Dear Sir:—I purchased a No. 2 Buffalo Incubator from you last January, and I want to tell you of its good work.

I entered it in the Poultry Item, contest and hatched 220 chicks from 225 fertile eggs in one hatch, and 214 chicks from 223 eggs in another hatch. I won the first prize away ahead of my nearest competitor.

I shall buy more Buffalos this season.

Hoping you may have great success, I remain

Very truly yours,  
C. P. SHIREY.

—Breeder of S. C. White Leghorns of Quality.  
Eggs, Stock and Day Old Chicks.

The Buffalo is simply a wonder. I am proud of it. There is nothing cheap about it but the price.

I offer you an incubator that is second to none in **Durability, Reliability, or Quality**. You can't get a better incubator than the Buffalo, no matter how much you pay.

You can't get one as good. There are incubators and incubators, and nearly any of them will hatch some chickens. The biggest profits are made by operating the Buffalo, which will hatch a strong and vigorous chicken from every hatchable egg.

## Note My Low Prices

OFFER No.	Egg Size	Shipping Weight	65 lbs.	\$10.50
0—	50 to 60			
" " 1—	110 to 120	" "	90 "	14.50
" " 2—	220 to 240	" "	130 "	19.00
" " 3—	340 to 360	" "	160 "	24.00

*My Brooder Prices Are Equally Low*

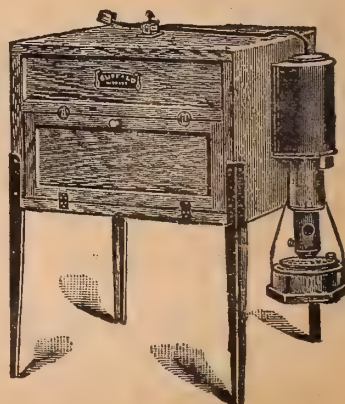
If you want more information about Buffalo Incubators or Brooders, send a postal today; or you are safe in sending your order right along, as Buffalo Incubators are guaranteed to **SATISFY YOU**.

**CHAS. A. CYPHERS,**

President Buffalo Incubator Company

465 Dewitt Street,

Buffalo, N. Y.





The Cyphers who is "The Recognized Authority" on Artificial Hatching.  
 The Cyphers who made Commercial Hatching Possible.  
 The Cyphers who discovered the Cyphers Principle.  
 The Cyphers whose Incubators Circle the World.  
 The Cyphers who will sell you his latest creation, the "Buffalo" at  
half the Standard Price.

# The New BIG 4

## 1440 Egg Capacity Incubator \$84<sup>00</sup>

Occupies same floor space as any standard 360 egg incubator.

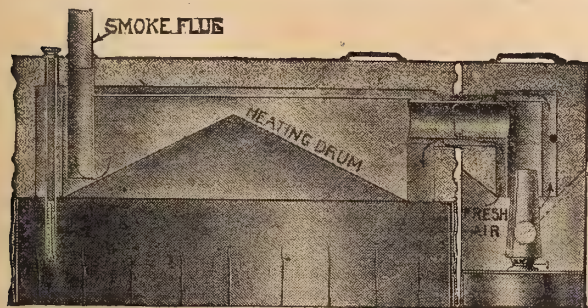
Or incubating section run in conjunction with your present hatcher, whether a Buffalo, Cyphers, Model or Prairie State, will increase its capacity by 1080 eggs. Incubating section alone, 1080 egg capacity, operated with one lamp, costs you but \$60.00.

This is an Incubator, not a Hatcher. You put in 360 eggs every six days, and after the eighteenth day transfer the first 360 eggs to the regular hatcher for the exclusion. Has the other large hatchers beat in quality, in economy of labor, in space occupied and in price.

### Something New In Hovers

**Buffalo Handy Hover \$8<sup>00</sup>**

**Buffalo Home-Brooder Hover \$7<sup>00</sup>**



**Buffalo Handy Hover 100 Chick Capacity.**

The Buffalo "Handy" is a floor-level hover. You can set it any old place.

**Sanitary**—all galvanized iron.

**Heats Easily**—walls are heavily packed with good insulating material.

**Uses But Little Oil**—flame burns with a white light, which indicates complete combustion.

**Hottest At Outer Circle**—heat is brought lowest at that point.

**Perfectly Ventilated**—heater is double with fresh air flue.

**Handy**—just pick it up and set it aside to clean the floor. Lamp flame can be seen without stooping. Lamp compartment or heater is attached to hover with "rolled-edge slip-joint," and is quickly detached for tending lamp.

Has all the good points of others, with thick walls and complete combustion added. Others are thinly insulated, and are hard to heat. Other lamps burn a yellow flame, and waste oil. The Buffalo Handy Hover will heat 10 degrees hotter with same oil consumption; and in a room too cold to use any other hover.

*Send postal for fuller description, or better, send along your order before we are over sold.*

## CHAS. A. CYPHERS

*President Buffalo Incubator Company*

465 Dewitt Street

Buffalo, N. Y.



## B. RILEY HAUKE SUPPLY COMPANY

115-17-19 S. First St. - St Louis, Mo.  
Carry a complete stock of poultry machinery and supplies. Agents for Model Incubators and Brooders. Our new 1913 Poultry Supply Catalogue is now ready for distribution and will be mailed free upon request. Write to day.

### Partridge and Buff Cochins, Buff-Laced and Golden Polish.

Eggs, \$5 per 15. Stock for sale. Prize-winners 30 yrs

**Dr. H. F. BALLARD**

Importer, Breeder and Judge

CHENOA : : ILLINOIS

### HATCH YOUR CHICKENS



In a Paradise Hatchery if you wish to avoid the heavy losses of other methods. The line of Paradise Hatchery operators reach almost around the globe—to be exact, from Ewing to S. Africa and in the opposite direction to California. Sure there's a reason and more than one, too. The Paradise Hatchery will produce a BIG VIGOROUS chick from every hatchable egg, costs about one-third that of incubator and you don't have to get up nights to give it attention—it's always on the job. I'd say more about the merits of the Paradise Way, but you might put me in the Annanias class. Listen reader, I have never received an order from Noah, how long are YOU going to remain in his class? Illustrated circular sent free upon request. If you want to learn about this great patented invention, why not write today? Remember: The "Pleasure and Profit Way" of chicken hatching is via the Paradise Way. "You'll Like It."

ELMER S. WEST, - BOX 97, - EWING, KY.

Miles' Montauk



Barred Plymouth Rocks

**SENSATION—2d COCKEREL  
MADISON SQUARE GARDEN 1910**  
Birds and eggs. I have sold, have won and produced winners in nearly every state in the Union and Canada, during past 30 years. I offer eggs from best matings I ever had; 3 for cockerels and 4 for pullets. Some fine breeders for sale in cockerel and pullet line. No circulars; write wants.

**E. L. MILES, - SAG-HARBOR, N. Y.**



### MADISON SQUARE WINNERS

Over 40 Prizes Won in  
the Garden—December  
1912, Six Firsts Out of  
Seven in Philadelphia.

### R. and S. C. Brown and White Leghorns

Rose and Single Comb Brown cockerels, hens and pullets of my 242-egg strain. The largest and best egg strain bred. Fine show Rose Comb Brown cockerels, sons of first Philadelphia cock.

If you want eggs, try my strain of Browns and Whites. Rose Comb Whites, up to 244 eggs to a pullet. The finest White Wyandottes, Duston and Martin strains. Fine Barred Rocks and S. C. Reds. Don't fail to send for catalogue.

**W. W. KULP, Box 70, Pottstown, Pa.**

### THE JOHNSON FAMILY — AND CHICKEN RAISING.

A good many years ago I read an expression of Josh Billings, which went something like this: "My son, consider the postage stamp; it sticks till it gets somewhere."

I don't know of any phrase which more perfectly describes the wonderful accomplishments of M. M. Johnson, his wife and son with their "Old Trusty" incubator.

Your correspondent has just visited Clay Center, Neb., a town of but 1,135 inhabitants, yet seventh in the state for postal receipts. I have seen the largest incubator and brooder factory in the world, bar none. I have become imbued with the spirit of rugged honesty, the sure, unquestioning high-quality of "Old Trusty" building.

But what I couldn't see, what will ever be a problem to me, is the way in which it has been accomplished. Everyone knows that "Old Trusty" is the leading incubator in the matter of users, and the results given them. The quality which is the basis of its building is unapproached.

But there is no loud pretension, no "I know how to do it better than anyone" attitude shown. I found a small town, the home of a country-wide industry, and at the same time I met the "home folk" who are running the industry.

Yet it's hard to pick out one thing which has brought this wonderful success. Has



M. M. Johnson, Founder



Mrs. M. M. Johnson



H. H. Johnson, Gen. Mgr.

it been that "sticking till you get somewhere" which was the spirit back of M. M. Johnson, the inventor? No man had more ups and downs than he. Hundreds of thousands have read the story of the trials, the struggles for a living, and the making of a perfect incubator which this farmer, mechanical engineer and incubator man went through. He succeeded far beyond his dreams, and yet he himself admitted he knew nothing about the exact science of it all. He only knew he wanted to build the incubator for the poultrymen of the country which would be the most profitable incubator that could be built. And he did it.

Was it the faithful helping of Mrs. Johnson that accomplished it? Or was it the fact that when the farmer's wife wrote in about her chickens, she got an answer from one of her own kind, from one who was raising chickens herself and making it profitable?

Was it the loyal teamwork of H. H. Johnson, the son? Was it his carrying of the burdens when the inventor himself was too sick to continue?

Or, was it the rugged honesty which would permit no makeshift to satisfy? The determination not to quit until the sure results were obtained?

I couldn't tell you. Nor, for that matter could H. H. Johnson, who now is head of the company. He says, "We built and are building the incubators and brooders which made it possible for us to succeed at poultry raising. The fact that 400,000 other chicken raisers have found it just as profitable and satisfactory is perhaps a natural result."

The story of the Johnson family, and their sticking at it may be summed up in a few paragraphs. After struggling with ill-health and poverty for several years of incubator experimenting, M. M. Johnson built his first incubator and brooder in 1893.

It was right, from the start. Neighbors tried it—it was exhibited at state fairs all over the country—it was proved correct. From every standpoint attempts were made to show its weaknesses, but the attempts only demonstrated its strength.

For nineteen years it has stood supreme. Today, "Old Trusty" is no longer a trademark. It means uninterrupted, increased, sure poultry results to its four hundred thousand users. It is "Old Trusty" in fact as well as in name.

It is a far cry from that first hand made incubator to the bustling enterprise of the present M. M. Johnson factory. I found at Clay Center that 400,000 of these incubators are now in use. In the neighborhood of 100,000 incubators and brooders will be shipped this year. I found a factory employing nearly one-half the population of the town of Clay Center—a factory with an output of 800 finished machines a day, when

necessary. I found an office building 35x80 feet, occupying three floors.

The entire factory is run by electrical power, provided by the firm's own power house, which supplies as well the electric power for the town and surrounding country.

I had read the books describing "Old Trusty" and this surprising family of workers. It will pay everyone interested in poultry growing to read it. But words cannot tell the true story.

The factory and offices of the M. M. Johnson Company are bee-hives of energy. Every worker believes his or her part the one salient feature in the incubator. They don't know how to shirk or skimp.

And over it all is an executive force which by means of the quality of purpose and determination that nothing but the best shall enter into the makeup of "Old Trusty" are accomplishing far more now than ever before in the history of the company.

Your correspondent is not mechanic enough to go into the details of the incubator itself. I read, however, a number of the four or five thousand letters which are coming in every day. I saw in them the proof of every statement made—the figures showing poultry profits right out on the farm, far beyond anything I had ever thought possible.

If every poultry raiser could see what I have seen—if they could visit the factory

and see the straightforward spirit of rugged honesty which I have already mentioned, there is no question that "Old Trusty" would find a home on so many farms this coming year, the factory would be hopelessly swamped with orders.

And the beauty of it all, from the poultry man's standpoint, is that M. M. Johnson & Co., I learned, are assuming every possibility of dissatisfaction on the part of an "Old Trusty" user. I read their guarantee, and it is the most binding guarantee I have ever read—and I have seen them all.

But "Old Trusty" itself is the best guarantee to anyone. When you consider that redwood is used, where pine might temporarily satisfy, when you remember that metal sheeting covers the entire body of the incubator instead of only part of it, that asbestos filling adds to the worth of the machine—when you consider these things, and their extra cost in manufacture, you can readily see the deep-seated quality which is the basis for "Old Trusty."

And what was most surprising to me, I learned that this supremely built machine—this incubator more popular than any three others combined, is sold for much less than the poultryman could build one himself.

My advice to everyone interested in chicken raising is: Write to M. M. Johnson & Co. today for their books. You'll be surprised, as I was, at the high quality of everything. Get an "Old Trusty" and you'll be more than delighted with the results. I know, for I saw the facts and figures from thousands of men who have tested it, and swelled their bank accounts thereby.

### FRIEND "TECK" AGAIN "MAKES GOOD."

The third annual poultry show of the Chicago Association closed 17th inst., signalized by some of the most hotly conducted contests for supremacy ever in evidence at any poultry association meeting. In the Buff Leghorn class this was particularly noted—probably as a result of the "world challenge" issued at the close of last year's Chicago meeting, by F. A. Tecktonius, Route 7, well-known Racine, Wis., breeder of the famous "Tecktonius" Strain Single and Rose Comb Buffs.

In view of the foregoing, it will be of more than passing interest to poultrymen, generally, to know that Mr. Tecktonius' splendid birds succeeded in capturing the following: 1st, 2d, 3d, 4th and 5th pullets: 1st, 2d, 3d and 4th hens: 1st, 2d, 4th and 5th cockerel: 2d, 4th and 5th cock: 1st pen, on Single Combs. 1st cock, 1st cockerel, 1st and 2d hen, 1st and 2d pullet, 1st pen, on Rose Combs. Also all cups and specials for shape and color.

Certainly a remarkable showing—following



as it does upon friend Tecktonius' 252 egg-record at the New York National Poultry Show contest—six previous "clean-ups" at the Chicago shows in as many years—and his well-known successes at the poultry shows of New York, Boston, Providence, Baltimore, Pittsburg, Cincinnati, Columbus, Nashville, Little Rock, Dallas, Houston, Galveston, New Orleans, Des Moines, Minneapolis, Spokane, Regina, Sask., etc.

Mr. Tecktonius is well-known among poultrymen and others as a most enthusiastic devotee to the "art and science" of breeding and mating high-class exhibition and general utility stock. This enthusiasm is in evidence not only in his showings of the results of his own systematic and careful work in his chosen field, but in the interest which he takes in exhibits throughout the U. S. Mr. Tecktonius will, at the close of this month, make a special trip from Santa Fe to New York, to attend the January 3rd annual meeting of the American Buff Leghorn Club.

### WHAT FARMING NOW OFFERS AS A VOCATION.

Much has been written about the tendency of the young man in the past to leave the farm and seek his fortune in the crowded centers of population, and the more crowded vocations of these centers.

Whether this has been responsible or not, the fact must be admitted that the tide of public opinion regarding the preference of metropolitan life has changed, and the drift now is rather from the city to the country, with "back-to-the-soil" nailed to the masthead, as the slogan of those who find in the new order of things a more independent, healthful and happy life—a change which many look upon as coming out of a state of mere existence into the fullness and ideal-ity of rational living.

Whatever may be said in favor of the exciting pleasures and attractions and nerve-straining demands of city residence, it is being increasingly admitted that for a given

**SINGLE COMB BLACK ORPINGTONS**—Quality strain of the Mid-West; heavy winners at Terre Haute, '12; Brazil, Ind., '11. Can supply you with birds that will please. Six years of careful breeding. Ira C. Linton, R. 3, Rockville, Ind.

### ANCONAS, BUTTERCUPS, SILVER ...CAMPINES AND BREAKELS...

World's best utility fowls. Eggs for hatching. Better book them early.

**E. O. GREEN, PORTLAND, INDIANA**

### Agler's S. C. Reds

One customer writes: "In a red hot class of REDS, 37 singles, the cockerel you sent me won FIRST." Mating list ready.

**C. M. Agler : Box 7 : Millbury, Ohio**

### CHAMPION S. C. WHITE LEGHORNS

won best display at Sewickley, Pa. Dec. 3 to 6 1912, cockerel 1, 2, 3; cock 2, 3, 4; hen 2; pen 3, 4; in class of 140 birds. Write me for stock.

**J. H. Leffler, Sharpsburg, Pa.**

### EARLY BIRDS

**CRYSTAL WHITE ORPINGTONS**

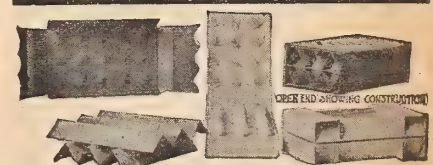
Kellerstrass Strain. Fancy and utility cockerels. Eggs in season.

**H. E. STUDLEY**  
64 Prospect Ave N. E., Grand Rapids, Mich.

### REDUCED TO A FRACTION

The score made by my entry of five S. C. Buff Orpingtons at the Storrs Egg Laying Contest for 1912 is 71½ dozen, or an average of 172. Hatching eggs from these certified layers, 50c each. All other matings, \$3 per setting as usual. Mention A. P. J.

**O. Wilson, (J), Carlisle, W. Va.**

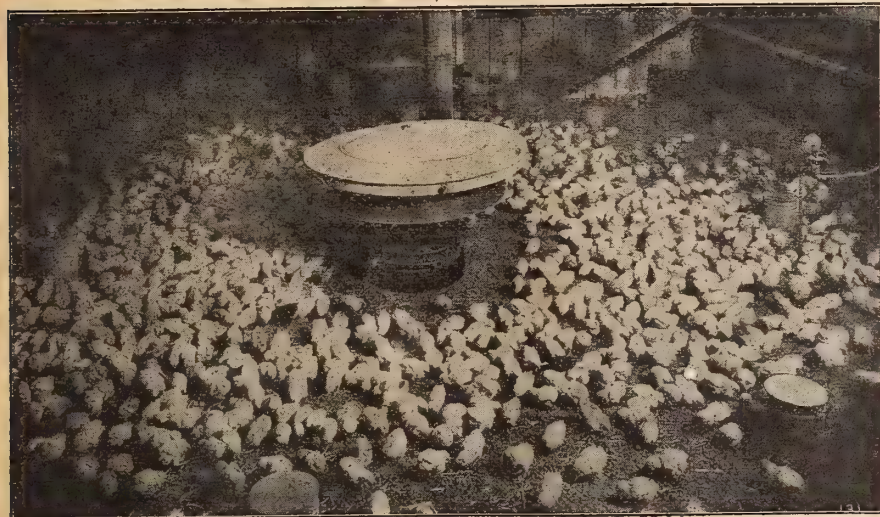


### Buy Diamond Egg Carriers

It is a fact and not a boast that eggs get the maximum protection in the Diamond Egg Carrier. Order today. Sample 25c. 15-egg size, doz., \$1.50; 100, \$11.

**DIAMOND EGG BOX CO.**

1109 N. Y. Life Bldg. Minneapolis, Minn.



The above illustration of chicks in the day-time around a Simplex Brooder stove in the brooder house of H. Vos, Grandville, Mich., was crowded out of our December issue.

Great interest is being manifested by poultrymen in the brooder stove system of brooding chicks. Mr. N. P. Husted, of Grandville, Mich., who used four of these stoves during the 1912 season, has had hundreds of letters asking about his success. His results were so good that news of them has encouraged many who were becoming disgusted with trying to raise chicks because their losses were so heavy. Mr. Husted has been swamped with mail and would esteem it a favor if poultrymen would address their inquiries to the Simplex Brooder Stove Co., 123 Fourth St., Grand Rapids, Mich., instead of to him.

This company has the exclusive right to make and sell east of the Rocky Mountains the stove which has been most successful in California. The maker of that stove sends to the Simplex Co. letters from many eastern inquirers who would save time by addressing them as above.

The Simplex Brooder Stove Co. has an illustrative descriptive catalogue which tells all about the stove, how to use it, how to build houses just adapted to its use, with working plans, names and addresses of users, etc. This book will gladly be sent free if you mention American Poultry Journal.

amount of energy invested by the individual, rural life pays by far the biggest dividends.

There are several reasons why this is so. The freedom of the outdoor life revitalizes and gives abundant energy. And the increase of energy, coupled with exuberance of spirits, most bountifully equips one for the prosecution of his labors, and makes him doubly ambitious for large undertakings.

Then if he takes up farming as a serious business-like calling he has, in these modern times, every aid to economical labor-saving production, of which he can make capital for profitable earnings. One of his chief assets in cultivation, if he is shrewd enough to take advantage of it, is the helpfulness of Planet Jr. farm and garden implements.

Indeed, it would surprise the most expectant user, if he would keep account, of the total saving in time and labor and money in a single season that it is possible for these up-to-date tools to effect.

In the market garden a Planet Jr. hand-tool, combining seeder, wheel-hoe, cultivator and plow in one, makes the usual drudging work seem like mere play, so easily and quickly are you enabled to cover the ground with it.

And in the extensive corn-fields the Planet Jr. cultivators, which work two rows at a single passage, make the work equally light and pleasurable and profitable.

Or in the smaller field of corn, cotton, potatoes or similar crops the Planet Jr. one-

## McDANELL'S

## GOLDEN WYANDOTTES

The strain that has done the big winning year after year at Chicago and practically all the big shows. My Columbian just as good. 700 birds for sale. Write now.

Old Homestead Farms, J. H. McDanell, Prop., Route 2, Warsaw, Kentucky

## Ironclad Wins In 1911 And 1912 National Incubator Contest

Mrs. C. F. Merrick, Lockney, Tex., with her 140 egg Ironclad Incubator wins in the Mo. Valley Farmer and Neb. Farm Journal Big Hatching Contest in 1912. She placed 148 eggs in the incubator and hatched 148 strong chicks. Think of that! You can now get these famous winners. Ironclad also won in 1911 contest.

**140  
EGG**



### 140 EGG INCUBATOR AND 140 CHICK BROODER

if ordered together for only \$10.00; freight prepaid east of the Rockies. Incubator is made of California Redwood, covered with galvanized iron and asbestos, hot water type, triple walls, copper tank and boiler, self-regulating, Tyce thermometer, O. K. burner, egg tester, nursery, complete, set up ready to run. Brooder is large, roomy, well made with wire scratch- ing yard. Compare material and construction with other makes; if you do you'll surely order Ironclads. Guaranteed 5 years. 30 days trial. Order direct from this ad., hundreds of money back if not satisfied. Or write for free catalog. Ask the publishers of this paper about us. **IRONCLAD INCUBATOR CO., Box 17 RACINE, WIS.**



**Both For  
\$10  
FREIGHT  
PAID**

Made of Best Lumber



horse hoe and cultivator does so many kinds of work that it becomes a general utility implement.

A new illustrated catalog recently issued by S. L. Allen & Co., Box 1107 T, Philadelphia, which they send on request to those interested, describes minutely the implements to use for scientific cultivation, and tells the particular tools adapted to the different kinds of crops.

This labor-saving method of cultivation, together with the many other attractions offered by Dame Nature, make the "call of the land" louder than ever to him who would really live life to its full.

### WINNERS OF CHAMPIONSHIPS.

Jim Rohan's Belle City Incubator is now a five time champion. The fifth championship was won by Mr. F. E. Bennett, of Ohio, who won his prize in the 1912 successful farming contest. Mr. Bennett's prize was the third won by the Belle City Incubator in as many consecutive years in this very same yearly contest.

In the accompanying panel, Mrs. Laura J. Clark's photograph appears at the top. Mrs. Clark won the great Missouri Valley Farmer and Nebraska Farm Journal contest in 1911, with a record of 140 chicks from 140 eggs. Below Mrs. Clark's photo is a picture of Mr. W. J. Black, who was a winner in the Successful Farming contest of 1911, with a record of two 100 per cent hatches. The third photograph from the top shows Mrs. M. J. Clifton, winner of the 1910 Successful Farming contest, with a record of 140 chicks from 140 eggs. Just above Mr. Bennett's photo at the bottom, is a picture of Mrs. F. H. Osmon, who won the beautiful gold lined, silver "Tycos" loving cup offered by the manufacturers of Tycos thermometers for the best hatch.

Jim Rohan is indeed fortunate to be the manufacturer of the incubators that won these great contests. It begins to look as if he had the correct principle of construction and that he uses the right kind of material to make a successful hatcher.

Mr. Rohan says: "I am proud to have been the manufacturer of so many championship winning incubators. When the same make of machine wins so consistently it proves that 'luck' didn't have anything to do with it, but instead, the incubator must have been simple, accurate, safe, and sure—and the people who operated them are un-

doubtedly the kind of men and women who deserved to win these great contests."

The Belle City Incubator looks like other machines but it is different in construction. It has a simple, perfect self-regulator, a fine hot-water heating system, copper tank and boiler, safety lamp; double walls and double door, with dead air space all over, with roomy nursery and strong egg tray. Equipped with "Tycos" thermometer, egg tester, burner, funnel, and everything you need, including valuable instruction book on operation, hatching and care of chicks.

Mr. Rohan has invited our readers to write him a postal card for his new book of Hatching Facts. It's a good idea to do that if you are planning to purchase an incubator or brooder. Rohan's address is Box 27, Racine, Wis.

### INCUBATORS AND THEIR HATCHES.

That some incubators will hatch stronger, bigger, surer-of-living chicks than others is no longer disputed by practical poultry men. There was a time when some were disposed to argue the point, but facts have accumulated so rapidly that to question these results now is almost to convict oneself of unfamiliarity with incubator methods and hatching progress.

Incubators are of all grades. They run from the high-class machine designed to "hatch every hatchable egg" down to the cheap, box-like affair which hatches a few bandy legged weaklings. Such chicks have little chance of growing to maturity and if they do, are not the kind from which paying strains are developed. On the other hand, the "hatch every hatchable egg" kind will give you big, sturdy chicks that live—the kind you do not have to dope with one thing and another. They are "well-born" chicks—the kind that leads you securely along to poultry success.

How then are we to judge which machine is good and which to avoid? Price can not be depended on. We have in mind one that sells as low as \$8 which has, time and again, hatched every hatchable egg, and gotten strong, livable chicks, when, under exactly similar conditions, another incubator running alongside, hardly reached 50 per cent. Of course, construction and such details form a fairly reliable guide, but as a matter of fact, the great big sales of

incubators are made to persons without previous experience in running them, and almost wholly without technical knowledge. But if this were otherwise, probably a very small proportion of chicken owners are well enough posted to judge a machine by its seeming construction. Note we say "seeming" for wall insulation and other details are impossible of examination without tearing the incubator to pieces.

With all these difficulties of greater or less importance, there is a rapidly growing desire among purchasers "to be shown" before they buy—a desire to see the incubators in operation right while the chicks are hatching, so that one can see precisely how many and what kind of chicks the incubator will produce. Last season, one manufacturer who has adopted this selling plan, claims to have sold 100,000 incubators during the season—a number, he claims, more than equals the sales of any two other makes. Special selling agencies have been established in large and small cities so that prospective buyers can not only see the incubators in operation and hatching, but can receive personal instruction and help in running the incubator he buys. The advantages of having a man handy are "too numerous to mention," although as a matter of fact this particular incubator—the Buckeye—is one of the simplest and easiest to handle.

It is quite probable that there is a Buckeye dealer in your own town. If there is, it would pay you to call at his store, and get the Buckeye facts he can give you. If you don't know whether there is a Buckeye store in your locality, write to The Buckeye Incubator Company, 501 Euclid Avenue, Springfield, Ohio. They will send you their dealer's name, also mail you a copy of their very instructive catalog. This is one of the most readable books about incubators and poultry we have seen. Not too long, yet it gives you an abundance of facts. Every reader of this paper ought to have a copy.

We call the attention of the readers of this journal to the new and enlarged advertisement of the Automatic Sanitary Trap Nest Company of Duluth, Minn. We are informed by the secretary that nests are being shipped to all parts of the U. S., Canada, South America and even to Ireland. Look up their advertisement and write them for free booklet.

## SPROUTED OATS --- WINTER EGGS

Get ready for the highest price for eggs this season the poultry industry has ever seen. For prolific egg production this Winter and fertile eggs next Spring, feed Sprouted Oats. To get great quantities of sprouted oats easily and quickly, buy a

## DOUBLE QUICK GRAIN SPROUTER

THE PERPETUAL POULTRY SILO

A veritable hot house, growth forcing machine that sprouts in 24 hours and grows two inches or more daily. Makes two to four bushels of feed from one of grain. The Double Quick is the original grain sprouter, now in its third season, several thousand being in use in every part of the United States and Canada and is endorsed by hundreds of users. Our catalog will give you scores of letters like the following:

October 7, 1912—"On September 16th I ordered your No. 5 Double Quick Sprouter sent to Maude L. Kaler, Columbia City, Ind., and this one is proving so satisfactory that she wants another one of the same size, and, therefore you will find draft in payment of this second sprouter."—Milo R. Meredith, Wabash, Indiana.

September 14, 1912—"I ordered and received from you last Fall one of your 6-tray grain sprouters. This works very satisfactorily but is far too small to meet my requirements. I want one that will sprout for 1,500 hens. Will you kindly advise me by return mail if you will make a larger size and the price of the same." Later, September 23, 1912—"I have your esteemed letter of Sept. 16th with enclosures. I enclose you my check for which please ship me rush one of your No. 6 grain sprouters."—E. A. Palmer, Providence, R. I.

David Schwertner, Ottawa, Ohio, says: "Last Fall I got one of your grain sprouters and used it last Winter and had good results for the weather we had. It was zero weather nearly all the time, but my chickens laid from three to four dozen eggs right along and I can say the oats did it for all the people around here didn't get any eggs last Winter."

February 26, 1913—"I am enclosing my check for your No. 5 Double Quick Sprouters. Please ship by express. I wish to get one of these machines going at the earliest moment. As soon as I have tested this one and find it satisfactory, as I expect I shall find it, I will give you an order for more." Later, April 27—"I am enclosing my check for two more of your No. 5 Double Quick Sprouters. The one I bought some weeks since is doing good work."—O. H. Latham, Beauty and Utility Barred Rocks, Lancaster, Mass.

Jacob Thomas, Clontarf, Minn., says: "The sprouter which we received from you works the nicest I ever saw for sprouting oats. It works to perfection."

Irwin A. Rush, Phillipsburg, N. J., writes: "I am more than pleased with the Double Quick. We had some very cold weather here for some time, but I had one tray a day of sprouts from 2½ to 4 in. long."

M. O. Richardson, Plattsburg, Mo., writes: "It is the greatest trick ever. It grows oats 10 inches high in six days. I am well pleased with it."



The Double Quick is double walled; insulated wooden walls outside and moisture-tight metal chamber inside; heat retaining, automatic moisture producing, perfectly ventilated and scientifically constructed to sprout and grow great quantities of sweet, crisp sprouts with nothing but clean grain, water and the lamp heat. Made in six sizes from a few hens to 1,000. Send for the complete Double Quick catalogue. It will pay you.

CLOSE-TO-NATURE CO., 38 FRONT ST., COLFAX, IOWA



## "FISHELDOTTE," LARGEST SPECIALTY WHITE WYANDOTTE FARM IN WORLD—WORLD'S BEST WHITE WYANDOTTES.

Mr. J. C. Fishel and son, Charles I. Fishel, are the proprietors of "Famous Fisheldotte," the home of the world's best White Wyandottes. "Fisheldotte" lies at the eastern approach of Hope, Ind., and contains twenty acres of very valuable land, and that, too, within the city limits. "Fisheldotte" is most admirably and advantageously situated commercially for the raising of the world's best White Wyandotte. It is high, dry and healthy and undulating, and with fine drainage, there being no possible chance for water to lie stagnant. These conditions, together with the abundance of natural shade and acres of orchard, give the world's best White Wyandottes a show for their lives and a chance to make good. The length of Fisheldotte is on the road, sloping to a small stream which flows through the yards, furnishing plenty of pure fresh water for the birds to drink. Fisheldotte is advantageously situated commercially, as above stated, in that it can be reached by the Big Four railroad, connecting with the main line from Cincinnati and Louisville at Greensburg, connecting with Pennsylvania lines at Columbus, Ind., Indianapolis and Chicago, making the shipping facilities of the best, and as the buildings are practically all on the roadside, see what a medium for advertising that is, and what a commanding view Fisheldotte presents. The pleasant suburban home of J. C. Fishel lies well toward the city, while the cosy cottage of Charles I. is directly opposite of the office building, which is a two-story building, where several typewriters are kept busy, but J. C. and Charles I. personally open and check all incoming and outgoing mail, and so much mail is handled at this office the United States Postoffice Department furnishes them an individual mail sack. In fact, nine-tenths of the mail business of Hope is done through the Fishels. And think of the express business, too! What would happen to the mail and express business if the fancy poultry correspondence and shipments should suddenly cease, to say nothing of the thousand and one industries the fancy poultry business permeates! To return to Fisheldotte. The shipping room is also in the office building; back of the office is a building 150 feet long, and the brood house has a capacity of 5,000 chicks. Small outdoor brooders are also used, and some chicks are hatched and raised by hens. Colony houses, of which there are fifty in number, are used almost exclusively. A large barn was converted into a poultry building and is lathed and plastered. The conditioning and wash rooms are also lathed and plastered. The conditioning room for males is the finest I ever saw. It has an aisle in the center with 20 pens, 5x5 feet, on either side, and small runs from each pen. Pullet house is 30x40 feet and is lathed and plastered. Everything including J. C.'s residence is painted white, and Fisheldotte is one of the sights of the country. Mr. Fishel is a veteran poultry fancier, having been in the business 35 to 40 years, entering the show room in '79, and is the soul of honor. Charles I. was born and raised in the business, and is considered one of the best Wyandotte judges in the A. P. A., as well as being an expert judge of all other breeds. Messrs. Stahmer & Han were with us at Fisheldotte and took some fine pictures of the birds and buildings, while I put in my time handling the birds and looking things over. There were 4,000 White Wyandottes on the farm at that time—white as snow—bred white and stay white, males in old plumage with not a trace of creaminess, and males getting new plumage whiter than snow. To my personal fancy there is no comb as neat and attractive as the Wyandotte comb, and my experience has been, it stands the frost without a bite, when other combs get badly nipped. The Fishel White Wyandottes have as near perfect combs and head points as ever grew. They are grouped in shape with beautiful spread tails, and they have a long show record book dating back to 1900, when they won at Chicago, again winning more than their share at that city in 1902; winning in 1901 at Indianapolis, and repeatedly ever since. At St. Louis, 1903, San Antonio, Tex., and at the great St. Louis World's Fair in 1904 won a special prize in a class of 800 White Wyandottes. They have also won at Cincinnati, Tennessee State Show, Louisville, Ky., Columbus, Ohio, Springfield and so on. No wonder they are called "The World's Best." J. C. Fishel & Son put out a beautiful and expensive catalog, containing much valuable literature on White Wyandottes and many fine cuts of birds and buildings. Every breeder and lover of the beautiful White Wyandotte should possess one. Write today.—H. H. Coburn.

## COLUMBIAN WYANDOTTES

Our birds have been the very highest winners at New York, Boston and Chicago for our customers as well as for ourselves, including one of the first prize winners at the last Chicago show. Our birds are grand in laced hackles and tail coverts with white backs. We can please you. J. FRANK VAN ALSTYNE, Niverville, N. Y.

## Billings' Rhode Island Reds { BOTH COMBS

have that brilliant, rich, even surface color, with strong, deep red undercolor, with fine head-gear, long bodies and black markings that appeals to the most careful breeder. Have won at Cleveland and many of our largest shows. 1000 head choice breeders and exhibition birds to sell. Write your wants.

**B. M. BILLINGS, : Box A, Oberlin, Ohio**



## BRED-TO-LAY

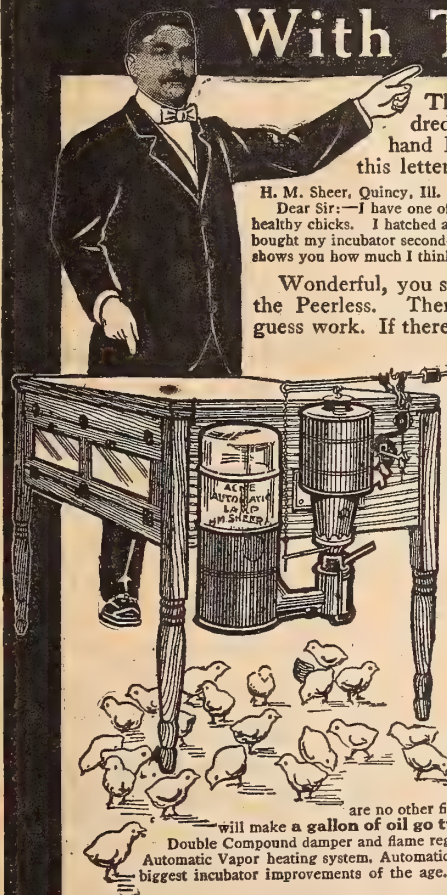
BARRED PLYMOUTH ROCKS

J. W. Parks' Strain Of World Champion Layers

My pullet "Liberty Bell" laid 269 eggs in nine consecutive months. 800 breeders for sale. \$2 to \$3 each. Circular free.

**O. F. Mittendorf : : Lincoln, Illinois**

## 2200 Chicks from 2400 Eggs With The Peerless



Think of it—92 healthy chicks from every hundred eggs. And mind you, this from a second hand Peerless Incubator. Here's the proof—read this letter:—

H. M. Sheer, Quincy, Ill.

Tacoma, Wash., Sept. 28, 1912.

Dear Sir,—I have one of your Peerless Incubators and have hatched quite a number of healthy chicks. I hatched about 2200 out of 2400 eggs. I guess that's going some. I bought my incubator second-hand and wouldn't take twice the price for it now. That just shows you how much I think of my Peerless Incubator. Yours truly, A. GROSHALL.

Wonderful, you say. So do I. But not one bit unusual for the Peerless. There's no taking chances with a Peerless—no guess work. If there's a chicken in the egg, a Peerless will hatch it.

## This Is Why Peerless Incubators Are the Best on Earth

Peerless Incubators are made with my famous Acme automatic fixtures. For over twenty years the most successful men in the poultry business have used Acme fixtures. The very latest and best that my skill and experience can produce is all yours in a Peerless Incubator.

The Peerless Automatic Vapor Heating System.  
The Peerless Automatic Moisture System.  
The Peerless Automatic Ventilating System.  
The Perfected Acme Automatic Lamp.  
The Perfected Acme Trip Burner.  
The Acme Tandem Double Compound Thermostat Regulator.

These are the exclusive patented fixtures that make the Peerless Incubator the greatest and surest hatcher. There are no other fixtures like them. My Automatic Lamp with the trip burner will make a gallon of oil go twice as far as any other lamp on earth. My Tandem Double Compound damper and flame regulator wipes out large operating expense and all trouble. My Automatic Vapor heating system, Automatic Moisture system and Automatic Ventilating system are the biggest incubator improvements of the age.

## My Big Book Tells All

It describes in detail these wonderful features. It tells how you can get the best—absolutely and finally the best—incubator in the world and save money in the bargain, by buying Peerless Incubators disas-

sembled, complete with all fixtures, ready for you to put together yourself in a few hours' time. Anyone can do it. This book is the greatest incubator book of the year. It tells too, about

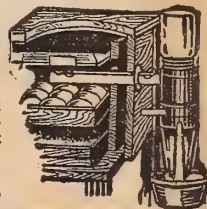
## Big Money in Custom Hatching

the wonderful, new and profitable way to make money in poultry with my brand new 500-egg unit machines. Each unit complete and self-contained. No outside heating plants, no boilers. The only successful 500-egg machine ever built. Learn about

## My New Moisture Generator

(see cut to the right) which can be attached to any incubator, old or new, and assures perfect moisture always. You need my book. It tells how any old incubator can be made over at small expense with my Acme fixtures and made the most modern machine. Send for this book right now—tonight.

**H. M. SHEER, Dept. 13 Quincy, Illinois**





# EAST ORANGE ANCONA YARDS

Originators of Howlett's Mammoth Single Comb Mottled Anconas. The largest in size. Lay the largest eggs and the most of them:

**F. J. Howlett, Proprietor, East Orange, New Jersey**

## LOYD'S PRIZE WINNING PARTRIDGE ROCKS

1200 crackerjacks for sale at reasonable prices. Write us your wants.

**C. J. LOYD & SON** :- **GREENSBURG, INDIANA**

## BLINK-BONNIE S. C. WHITE LEGHORNS

Special Sale of Choice Breeding Cockerels—We are offering at special prices 50 selected Blink-Bonnie S. C. W. Leghorn cockerels. They excel in shape, have the best of pure white color and strong heads, legs, etc. They will prove extra value to the buyer at \$5, \$7.50 and \$10 each. If you are looking for quality with the best of breeding, try them. Booklet for the asking. Satisfaction assured. What you buy we stand by.

**BLINK-BONNIE POULTRY FARM, BOX A, BATH, PENNA.**

## FELL'S FAMOUS WHITE WYANDOTTES

Again victors at the great Allentown Fair, winning first, second and fourth cock; first, third and fourth hen; second and fourth cockerel; first, second and third pullet; second and fourth pet. The great Allentown Fair cup for best ten birds of any one variety in the show. Grand Futurity championship 1912. Poultry Item cup. Poultry Fancier cup. Robert S. Rathburn cup. North American cup for best pullet in the show. This on 14 entries in the best class of White Wyandottes ever shown at Allentown. Five firsts at Madison Square Garden, N. Y., 1909-1910. Stock for sale that can meet any competition.

**A. J. FELL : BOX J : WEST POINT, PENNSYLVANIA**

ROSE COMB WHITE

## ORPINGTONS

The coming breed of the Orpington family and coming very fast. Well mated pens \$40. Trios \$25. Don't wait until everyone has them, buy now and get started with the best, the boom is just a coming. We won 4 out of 5 first at the late Chicago show. We have 50 utility Single Comb Whites at a bargain. Our catalogue of Buffs and Whites you need. Send for one. Stamp appreciated.

**J. M. Williams & Co. : Box D : North Adams, Mich.**



## TOMPKINS' RHODE ISLAND REDS

Undeclared undisputed champions of the world. First pen seven times in seven years showing at Madison Sq. Garden. Have just won at great Atlantic City International Poultry Show, 1st pen R. C. R. I. Reds, 1st S. C. R. I. Red pen and special for third best pen in the show, any variety, which shows that Tompkins' Reds are all-year-round winners and hold their own in any company.

**Breed both Single and Rose Comb**

**Lester Tompkins, Concord, Massachusetts**

### THE RICHLAND FARMS.

Frederick, Md.—Richland S. C. White Leghorns Are Bred for Highest Quality—A Beauty Plant Where Results Are Had—Baby Chicks, Eggs for Hatching and Choice Exhibition and Breeding Birds a Specialty.

Up to date in stock and buildings, and with modern and approved breeding conditions, this great plant has been a success from its beginning. Year by year it has been doubled in size, and again at this time new houses are being built to accommodate the demands for Richland Farm quality.

The plant is located on high and dry ground and from its yards can be seen the busy city of Frederick, Md., but three miles away. A city of unusual interest and historic value, for General Washington had headquarters there years ago. It also is the birthplace, as well as the resting place of Francis Scott Key, author of the "Star Spangled Banner." It was also the home of Barbara Fritchie, of "Old Glory" fame, whose praise was well sung by the poet Whittier. Near there famous battles were fought and today the visitors from South and North, alike, and of one mind, meet as brothers.

The farms comprise over 600 acres of land with a most liberal allowance for the poultry, a feature being the parks connected with the large laying houses, each of these houses having a special park fenced in of about three acres on both the north and south sides of the building, insuring at all times fresh and green pasture for the laying stock. The colony houses where the breeding birds are kept, also have large and roomy parks with the house in the center. Fruit trees afford shade in all yards, completing the most up-to-date and ideal conditions from which the best of results in health and vigor can be assured.

There was much here to note with special interest. The incubator cellar and arrangements, the roomy space with high ceiling affording plenty of pure air and securing ideal ventilation for the giant machines here with close to 15,000 egg capacity. We have never seen a better brooder house than is seen here. It is double boarded with air space and ceiled in the same manner. Here also the ceiling is high, affording many times the cubic feet of fresh air required and assuring perfect control over all conditions of weather in the safest way.

The six great breeding houses now completed are each 300 feet long, partitioned to make each pen 100x15 feet. A feed room is attached to each house and running water in each pen. The houses are open-fronts, curtained, there are upper and lower sections so that air and ventilation here also are under perfect control. Nest boxes are under the dropping boards with a simple arrangement that closes them up at night, keeping them clean. The perfect contentment seen in the birds here assured us that conditions were just to their liking.

The breeding houses likewise in style and of the colony order, while to the right and left, north and south, the farm is covered with smaller colony houses for the growing stock.

### S. C. WHITE LEGHORNS.

Richland Farms specialty are the S. C. White Leghorns and their line bred for years according to their ideas have proved of special value as layers, as payers and as choice breeding as well as an exhibition line. Their real effort has been along practical lines. Money from poultry is their aim, and the only aim upon which any breeder can build to stay. Hens alone are used as breeders that are full and ripe in maturity; while we will not say this is the only plan to follow, we will say it has its advantages, and no other plan we know of is "better." Of the 5,000 layers seen here we were greatly pleased. Size and evenness of type were the features along with wonderful condition in every bird seen. The beautiful heads, the long backs, well carried tails were noted with special interest, for here was condition with type far beyond expectations. In color it was "Spotless-Town," and the color of legs extra good, and we did not see an off colored eye on the place.

The Richland Farms have reasons to believe that they have well combined practical and exhibition qualities. Their stock has made many grand egg records and the same line has also been exceptionally successful in the show room. Sorry we haven't complete records of both to give, but we do know that they have proven winners wherever shown, and particularly at Baltimore, Hagerstown, New York, Frederick, etc. They won first exhibition pen two years in succession at Baltimore, and this year they sold all five first prize winners at Frederick Show.



**WHITE PLYMOUTH ROCKS.**

Here also in separate buildings are bred a few selected pens of White Rocks and Black Orpingtons, both favorites of Mr. Rosenstock. They are a grand lot of matings, and in White Rocks they won fifth pen at Madison Square Garden, N. Y., 1910. In these as in the leghorns, general quality and conditions are all we could desire and hope for.

This mammoth plant with its now over 5,000 layers, its model buildings and its great success of the past few years, are simply the result and due to the efforts of the owner, Mr. Sam H. Rosenstock, a young man who has tried. Poultry was his pleasure and with rare ability he has made this pleasure his business. We were pleased to meet this man, particularly after seeing what he has accomplished for better poultry. His success is real, and it is well deserved as is the case of many others who have pointed out the way the right way—for all those who will but "try" to follow on to assured profit with a most healthful employment.

After a day spent at Richland Farms we felt assured that we had not only again seen the possibilities of the poultry industry well illustrated, but that we had also met a man worth while.—H. P. Schwab.

**SAVE MONEY ON FENCING.**

James Brown, president of the Brown Fence & Wire Co., Cleveland, Ohio, sends an invitation to all our readers to write for his new 1913 catalog. He promises to save money for chicken raisers on poultry fencing that is five times stronger and more durable than ordinary chicken netting. He also promises to save you money on any other kind of wire fencing you may need, for any purpose. And we have known Jim for many years and know that he tells the truth.

Brown fence is sold direct from factory to you, all freight prepaid—satisfaction absolutely guaranteed. Why not write for Brown's new book—see his new prices—note how his fences are made and what they are made of. Brown usually does some things worth while in his yearly catalogs and we are sure the 1913 editions are up to his standard. If so, you certainly should not miss them. Address a postal to the Brown Fence & Wire Co., Dept. 3, Cleveland, Ohio, and the Bargain Fence Catalog will come by return mail.

**MR. FRANK McGRANN, LANCASTER, PA.**

A picture in words is rather difficult to understand, but I do wish that our readers could stand on the edge of the knoll back of Manager Demmy's house and drink in the view facing south. The ground gradually slopes away in a half circle to the river a thousand feet away, and along the river bank the willows spread their gigantic branches in natural curves and beauty in all directions, in the space between. Walnuts, Sycamores and other beauties of the forest that are gone still survive and afford shade while aiding nature as we have come to know it at its best. Over the river the bank raises and the fertile fields beyond heavy with crops prove that we are in the richest section of agriculture in the United States.

Here, down the bank, part way to the river, Mr. McGrann has built his poultry plant, where for years he has bred his What-Glen strain of S. C. Black Minorcas, a line that is simply wonderful in type and color, as well as in head points and finish.

Mr. McGrann has been a prominent winner at M. S. Garden, N. Y., and other leading shows, but of late has done but little in this line, preferring to sell and let others have the glory. He is also one of our acknowledged judges, particularly of Black Minorcas and I very much doubt if there is a better or more qualified judge of this variety. As a breeder he knows their characteristics and this is most essential in the specialist and to his advantage.

We have before written of this line and told of their wonderful size, form and carriage; of their clean sound color, and of their magnificent head points. These are the features of this line and the quality points we again wish to tell of.

The Minorca is a large bird, but fine tuned, high on legs, a long body, low carried tail with head erect and to finish a good proportionate curve, well placed and strong, on this but a coat of solid sound black with a deep bottle-green sheen and you have in the finished Minorca a bird of exquisite beauty.

The What-Glen type and color is fully described here. They have the size in both males and females; they stand strong and carry well on legs well set. We have handled many of these birds and could only

**BARRED PLYMOUTH ROCKS**

Bred for business and show-room requirements. If you are interested in a heavy laying strain with exhibition quality write me for show record and prices on such as you need. Get my 1912 mating sheet if you need eggs for hatching. O. L. KING, : ROCKFORD, ILLINOIS

**BUFF PLY. ROCKS, "GIANT" BRONZE TURKEYS AND INDIAN RUNNER DUCKS**

Quality of our birds is backed by years of careful breeding. They have won in our own and customers' hands at Chicago, Louisville, Ky., St. Louis, Boston, Atlanta, Seattle, Wash., and many other national shows. Birds in either variety of the very best quality. Toms with great massive frame and bone with fancy plumage, good enough for any show or breeding pen. Buff Rocks and Indian Runner ducks of same high quality.

J. C. Clipp : Box A : Saltillo, Indiana

**IMPORTED ORPINGTONS AND INDIAN RUNNER DUCKS**

Eggs from our best stock delivered direct to you, express paid from England, at \$5 per 15 eggs. Our birds have won at the largest shows in the world. We have been breeding for thirty years, and our strain is well known in England and abroad. This is the greatest offer ever made in Orpington eggs. We furnish the Buff, Black and White, and have some fine stock for sale, either show birds or high class breeders.

Charles S. Fraser : Messrs. Richardson & Jones in England : Marlton, New Jersey

**Tompkins' Rhode Island Reds Both Combs**

Better now than ever before. Hundreds of high-class show birds at reasonable prices. Write us before ordering elsewhere. Personal attention given to all customers.

Concord Poultry Yards, Harold Tompkins, Prop., Concord, Mass.

**PRESCOTT'S ORPINGTONS**

BUFF, BLACK, WHITE AND DIAMOND JUBILEE

Located in their new home. We are only twenty three miles from Boston, on the main line of the B. & M. R. R., which gives us the best of train and express service. We have a grand lot of Orpingtons and are prepared to furnish both old and young stock. If you need anything good in Orpingtons let us hear from you.

H. B. Prescott, 75 Salem St., Andover, Mass.

**For Shipping Day-Old Chicks and Eggs Use the**

*Wright Box*  
THE RIGHT BOX

Ship your chicks and eggs in Wright Boxes. They cut down shipping costs; guarantee safe arrival; please the customer; bring more business. Simple, safe, strong as steel. Save time, labor and money.

**WRIGHT DAY-OLD CHICK BOX**

Patented Dec. 31, 1912.

Made of double reinforced corrugated board. New ventilating device permits adjustment for hot and cold weather. Keeps chicks perfectly on longest journeys. Easily put together. Absolutely safe.

**PRICES PER DOZEN**

25 chick capacity	\$1.40
50 chick capacity	2.00
100 chick capacity	3.00

**THE WRIGHT HATCHING EGG BOX**

New design, different principles. Strongest egg box made. Separate cell for each egg. No slipping or jarring after packing. Will save the price in a short time on eggs received unbroken. Light, simple, easily and quickly packed. Packed in dozen lots, knocked down.

**PRICES PER DOZEN**

15 egg capacity	\$1.85	50 egg capacity	\$3.00
30 egg capacity	2.50	100 egg capacity	4.00

**THE WRIGHT MAILING EGG BOX**

Especially designed for mailing eggs under the new Parcels Post Act. Guaranteed to carry eggs safely through the mails. Poultrymen will make money selling eggs by mail. The Wright Mailing Box solves the problem. Write for special booklet on this egg mailing device.

**PRICES PER DOZEN**

1 doz. egg cap'y \$0.75 2 doz. egg cap'y \$1.00

**Illustrated Booklet Sent Free**

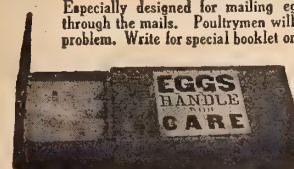
Every poultryman who ships eggs or chicks should send for our free booklet. It will save money on shipping. Write today.

TYWACANA M'FG CO.

Box 53

FARMINGDALE, L. I., N. Y.

TRADE MARK







Fresh-Air Sunshine Sanitary House for 120 Laying Hens.

marvel in their quality. Here we saw a dozen cocks fit to win any show, and hens of the same quality in any number.

Their young this season promise much. They have them fully matured and as large as old birds. With this stock, they can well supply all demand made on them for the coming show season, also they offer choice breeding birds in any number and all of rich value and quality. They have some special offers in mated trios and pens and it would be well for those who desire to purchase S. C. Black Minorcas to write Mr. McGrann. Let all who can visit this poultry plant, you will see one of the largest and best in America.—H. P. Schwab.

#### PORTABLE POULTRY HOUSES AND FIXTURES.

The ready made portable poultry house and equipment has solved one of the most perplexing problems for the beginner and enabled the expert to have the best possible equipment at the least expenditure of money.

Portable houses are made in all sizes to fit every requirement from a small flock of one or two dozen hens on up. It is doubtful if any amount of money put into an individual hennery could build a house better adapted to the health and comfort of the fowls, both winter and summer, or more conducive to a uniform egg yield. This is because every part has been carefully planned by experts and the construction brought to a high point of perfection.

Some poultry raisers after building a hen house are puzzled to know the best inside fixtures to use, that is, the roosts, drop boards, nests, etc. This vital question is also admirably taken care of in the portable factory built equipment.

As a usual thing the home made fixtures are of a stationary type, admirably adapted to breeding and harboring lice, mites and all sorts of vermin. The mites suck the blood of the fowls at night and hide in dark cracks and crevices by day. The lice burrow into the stationary nests and refuse to be routed except by tearing out the nests and burning them. The fowls are weakened, troubled and worried, greatly lessening the egg yield and the poultryman's profits.

No poultryman, no matter how many or how few hens he keeps can afford to use the old style, vermin harboring fixtures. He can now buy factory made fixtures which are complete and scientifically perfect. Even if it were not true that these fixtures pay for themselves in the ease of handling, saving of time and greater hen efficiency, they would still be the most economical because they cost so little that no

poultryman who considers his name worth anything can afford to spend it in making home made fixtures.

On this page we show photographs of a large size poultry house and a poultry house equipment. These photographs are furnished us through the courtesy of T. F. Potter & Co., Downer's Grove, Ill. Potter & Co. have been making a full line of portable poultry houses and fixtures for the past ten years. These houses and fixtures have many points of merit, not the least of which is lessening the work of the poultryman so that he is able to care for a great many more fowls and also is enabled to keep

death trap or exterminator under the perch. It is an ideal place for them, too, as it is dark and secluded. In the morning the keeper has only to exert a slight pressure on the trap and a little backward and forward motion of it, and all the little "red devils" which have found such a pleasant and secluded retreat after filling up on the blood of the best laying hens, are crushed to death in an instant. These perches are neat and lasting and as they always show the mites up as soon as they appear they enable one to take the matter in hand promptly, keep the hens healthy and in laying condition so they will produce eggs



A Potter Sanitary Portable Roost.

their quarters absolutely clean and sanitary and free from vermin.

A Potter portable hennery outfit consists of three parts: the Potter V. E. (vermin exterminator) roost, the nesting system and the dropboard. These three parts make a complete outfit which can be set up or taken down in a very few minutes. The only place it attaches to the house in any way is by the hinging blocks at the rear which are screwed to the wall. The Vermin Exterminator roosts are so called because each perch is provided with a mite trap or exterminator attached to its underside. In the ordinary hen house fixtures there are thousands of places for the vermin to hide, but with the Potter fixtures there is absolutely no place for the pests except the

to their full capacity the year round.

The nesting system is so arranged that the nests slide in and out. They are just dark enough and secluded enough to exactly suit the nature of the laying hen. The partitions being solid there is no fighting on the nest. Thus the loss of broken eggs is saved and there are no pecked, bloody headed hens. The nests are up off the floor, allowing the hens full scratching room below.

The complete Potter outfit shown on this page will accommodate nicely 40 birds; but this is only one of three different styles and twelve sizes as these outfits are made in sizes varying from a 3-foot, 2-perch outfit for 12 birds to a 10-foot, 3-perch outfit for 60 birds. No matter what size your house



**Weed Out the Hens that Produce Nothing, but Eat Much, with Newtown Practical Trap Nests—\$1.00 Each**

**NEWTOWN PRODUCING COMPANY, Newtown, Pa., U. S. A.**



is or how it is arranged, there is a Potter outfit made to fit it.

In the ten years or more that these hen-henry outfits have been manufactured by Potter & Co. thousands of poultry raisers have equipped their houses with them and they receive many letters from their satisfied customers, in fact, a large percentage of their business each year comes from old customers who are so well pleased with the fixtures that they would not use anything else in their poultry houses.

This is the time of year when poultry keepers are thinking about fixing up their houses and they should be fitted up right and a Potter hen-henry outfit is the proper thing. All outfits are made of very best high-grade material, and are well and substantially built and will last for years. It is not possible to get a more complete, convenient and sanitary hen-house equipment.

Potter & Co. also manufacture a complete line of brood coops, feed hoppers and poultry supplies of all kinds. Space can not be given to describe all of their products here but poultry keepers who want the best in this line should not fail to write T. F. Potter & Co., Downer's Grove, Ill., sending 4c postage for their two catalogs, which contain over 130 pages and 150 illustrations fully describing their complete line of goods.

#### GREEN FOOD FOR FOWLS.

Green food is declared by many leading poultry men all over the country to be the natural food for poultry. Such food, it is contended, keeps the body of the hen in fine condition, encourages the production of eggs, and serves at the same time as a more economical food than any other.

This class of feed, which includes roots, potatoes, cabbages, mangles, turnips, apples, onions, etc., must of course be properly prepared before it can be given to fowls. A machine which, it is asserted by its makers, does this preparatory work most successfully, is the Banner Root Cutter, made by O. E. Thompson & Sons at Ypsilanti, Mich. This machine completely shreds the green products run through it, producing a feed that is palatable, easily digested, and wholesome in every way. The manufacturers of Banner Root Cutters have some interesting printed matter that they will gladly send to any one who would like to know more about this valuable feeding plan for poultry.

#### AT LAST—AN INCUBATOR DANGER SIGNAL.

Since the invention of the first incubator, the maintenance of an even, regular temperature in the hatching has been the most important subject connected with artificial hatching. It has been the stumbling block for thousands of poultry raisers; the one thing lacking in hundreds of otherwise perfect machines. Even in good machines, incessant examination of the thermometer was the only method of keeping up with temperature changes—and it often was inadequate in emergencies, when heaters failed to work and dangerous rises in temperature occurred.

If the temperature of the eggs is reduced somewhat, little harm is done. Nature has provided for this. Excessive heat, however, is fatal, for Nature has made no compensation for this, there being no natural possibility for it. As a result, many hatches are baked to death and thousands of chicks lost. Thermostats have been invented and applied, but with indifferent success, on account of the inability to make them strong enough and sensitive enough at the same time. Still it was necessary to have personal attention at the thermometer.

At last there has come a device that relieves the situation. A simple, safe, reliable invention was perfected—the "TYCOS" Electrical Alarm Thermometer—and brings to poultrymen the thing long wanted; and automatic danger signal working when temperature rises.

The apparatus consists of one of the famous reliable "TYCOS" Incubators Thermometers, the finest instruments of their kind, to which is attached an electric bell and battery. The thermometer rests on the eggs and as soon as the temperature passes the safety point, the bell starts to ring. The bell may be located anywhere—in the bedroom, if desired. Anyone can install the apparatus—its cost is small compared with the great saving it makes and the certainty it assures. The cost of one hatch saved will more than pay for it.

Made by the Taylor Instrument Companies, Rochester, N. Y., the well-known manufacturers of incubator thermometers, this device has all the "TYCOS" quality of best material and thorough testing before leaving the factory. Its price is \$5.00, complete with bell, connections and wire, and no poultryman who desires the best equipment

## S. C. Brown Leghorns

First prize winners at Madison Square, New York, Chicago, Pittsburg, Cleveland, Buffalo and Philadelphia. My prices are reasonable. Write for circular.

**Frank Schellang, R. 8, Erie, Pennsylvania**

## Harter's Buff Plymouth Rocks

Have been leading winners for years. So let me help you to win. Stock for sale. Eggs in season. Write for my mating list. Positive satisfaction to all. Mention American Poultry Journal.

**S. H. Harter, Box 44, Nescopeck, Pennsylvania**

## Tolman's White Plym. Rocks

Baby chicks and eggs for hatching. When you order from Tolman, you get the best at a popular price. Eggs and chicks now ready. Circular and price list free.

**Joseph Tolman -:- Dept. H -:- Rockland, Massachusetts**

## MAPLEWOOD AGAIN PROVES

That it stands for highest quality in S. C. W. Leghorns, White Wyandottes, Pekin and Indian Runner Ducks and Silver Campines. Look up our winnings at Syracuse and Batavia, two of the state's largest fairs. We have for sale a few extra good cockerels in all varieties, also four hundred S. C. W. Leghorn hens, at reasonable prices, to make room for young stock. Orders for day-old chicks now being booked.

**Maplewood Poultry Yards; H. W. Hayner, Supt., Attica, New York**

## Walden's Bar'd Rocks

Philadelphia, New York and Baltimore winners. I can please you with quality and price. Quality is my aim, with satisfaction assured. Choice exhibition stock now ready to ship. Write me your wants. Mention this paper.

**R. J. Walden, Box A, Middleburg, Md.**

## BELMONT FARM

Breeders of the famous Belmont strain of heavy laying, prize-winning White Leghorns, Barred Rocks, and Indian Runner Ducks. As good as the world produces. Winners of hundreds of prizes in the past 26 years. Eggs in one setting, or in thousand lots furnished on short notice. Write for catalogue.

**LORING BROWN, Owner : : SMYRNA, GEORGIA**

## SEARS' BARRED PLYM. ROCKS

Are winners wherever shown. Cockerel bred. Bradley's female line "Fluffy Ruffles." Some choice breeding and exhibition birds for sale at prices that will move them quick. Write for what you want. Please mention American Poultry Journal when writing.

**H. O. Sears : Garden Prairie, Illinois**

## BARGAINS

**IN BUFF AND WHITE ORPINGTONS** Have twenty Buff Orpington hens that I can afford to sell at \$1.25 each if the entire lot is taken at once. Also about forty White Orpington hens at \$2.50 each, good birds and excellent layers. Have between 300 and 400 cockerels for sale cheap. All stock guaranteed to satisfy. Write for full particulars. Please mention American Poultry Journal.

**Aitmont Poultry Farm, R. 5, Colfax, Iowa**



## GOLD COIN BUFF WYANDOTTES

Have won more first prizes at leading shows including Chicago than all my competitors. Cockerels, \$3 and up; pullets, \$2 and up. : : : : : F. E. Short, Elgin, Illinois

## 43 VARIETIES

Poultry, squab breeders, fancy pigeons, ducks, geese, peafowl, pheasants, wild game, dogs. Incubators, feed and supplies. Handsome catalog, 4c.

Missouri Squab Co., Dept. R, Kirkwood, Mo.

## COLUMBIAN WYANDOTTES

Select exhibition stock. Ready for early shows. My customers are sure to win from our selection. Many have been pleased. To make room I will sell one extra good pen of 8-yearling females and male at \$20. Write for literature in full description of the breed.

C. L. PATTERSON

BARBERTON, OHIO

## S. C. Black Orpingtons

Herrick Poultry Yards have been breeding Blacks for eleven years. My winnings at such shows as Chicago, St. Louis, Cleveland and Detroit are positive evidence that I have quality. Some choice stock for sale. Kindly let me quote prices. Please mention American Poultry Journal when writing.

Herrick Poultry Yards : Box 612 : Durand, Michigan

## BARRY FARM

Let us book your order (White Leghorn Hatching Eggs for future delivery on (White Leghorn Baby Chicks

Barry Farm White Leghorns are vigorous and hardy. The females are persistent layers and money-makers all the year round. We use the utmost care in breeding to secure true to type stock. If you want cockerels, pairs, trios or pens, we can quote you most attractive prices. Prompt shipments. Get your orders for this stock as well as for day-old chicks or hatching eggs in quickly.

BARRY FARM : H. R. Barry, Owner : FAR HILLS, NEW JERSEY

## BARRED PLYMOUTH ROCKS

### Exhibition Females My Specialty

My prize pullet bred cockerel at Hagerstown, 1912, was the sensation of the Barred Rock class. In shape and line barring with the richest of color and blood lines placed him first over all others.

### Breeding Cockerels For Sale

Of the same line breeding at special prices while they last. Write me now. Cockerels at \$5 for quick sales. Some selected ones of special merit for \$7.50 and \$10. They are worth double that to any one who wishes to breed high class females. Pullets of my breeding have won first and second at the great Philadelphia show and at others as well. I assure absolute satisfaction to all. Write me.

C. N. MYERS : BOX A : HANOVER, PENNSYLVANIA

## BRADY'S WHITE ORPINGTONS

Made show records last year for myself and my customers unapproached by any breeder in the United States. In the PHILADELPHIA SHOW I won FIRST PEN. The pen winning second was of my birds and in the hands of my customer, V. K. Dayhoff of York, Pa. I also won FIRST HEN and REFUSED \$1,000 for her. In the great NASHVILLE (TENN.) SHOW I sold my two best pullets for \$175. My first hen in this show was pronounced the best hen ever shown in the great South. My young pen was beaten only by a pen of old birds direct from England. My customers, also, won in this show, as well as DES MOINES, IOWA; LANSING, MICH.; WHEELING, W. VA.; LEBANON, PA.; BALTIMORE, MD.; CHICAGO ILL.; MADISON SQUARE GARDEN, NEW YORK, etc., etc. This year I have more size and high show quality than I have ever had and can furnish birds for your early shows that will add credit to their new owners. Write for prices, mention A. P. J. Birds shipped on approval.

J. S. Brady, Parkers Landing, Pa.

and the most satisfactory hatches should fail to place one in every machine.

The Tycoos people are giving away a very attractive little booklet, nicely illustrated, on the subject of Incubator Thermometers. It contains some interesting and valuable facts for everyone interested in hatching, and poultrymen should send for copies (free on request) as soon as possible.

### A COMBINATION HOVER AND GREEN FOOD GROWER.

Something About a Breeding Device That Has Won High Praise from Leaders in the Poultry World—A Hover That Can Be Used Anywhere and Operated by Anybody.

Great inventions are seldom the product of a single masterstroke of genius. They represent a growth, a development, a step-by-step process involving many experiments, many improvements, many disappointments.

So it was with the International Sanitary Hover. For years the best minds in the poultry world had been struggling with the problem of producing a hover simple in design, absolutely safe and capable of raising practically all the healthy chicks committed to its care.

On its face the problem seemed not difficult of solution. It was merely necessary to work out a hover warmer near the curtain than at the center, usable in a barn, a cowstall, a small coop, or some other place less formidable than an expensive brooder house, and fireproof. Hover after hover was invented, each a little better or a little worse than its predecessor, and a good deal of progress was made.

Then, on the Rancocas Poultry Farms at Browns Mills in the Pines, N. J., the Sanitary Hover was invented and the problem was solved. Folks looked at the hover, noticed the remarkable simplicity of it, and exclaimed: "Why didn't some one think of this before?"

### ANOTHER SOLUTION OF BOWEL TROUBLES IN NEWLY HATCHED CHICKS.

One of the most serious problems that has confronted the poultry raiser for a good many years is the frequent development of bowel troubles in the newly hatched chick, and while it has occasionally been traced to heredity, it has been proved beyond question that 95 times out of a hundred such troubles have resulted from some unnatural condition that existed in either the hatching device or the brooder.

We all know that sudden changes in the temperature of a brooder will produce bowel troubles and as a result of that knowledge much attention has been paid to the construction of brooders with a view of preventing such changes in temperature that might prove harmful, but most of us have overlooked the fact that unless those same sudden changes are guarded against before the chicks enter the brooder, all our efforts to prevent those fatal bowel troubles will go for naught.

I have before me a copy of the 1913 catalog of The Buckeye Incubator Co., in which they claim that fully 90 per cent of the bowel troubles in newly hatched chicks are caused by the sudden change of temperature to which the chicks are subjected right in the incubator, when they drop from the egg tray into the nursery.

The Buckeye Co. claim to have tested the temperature of the egg tray and nursery in most of the incubators on the market and found a difference of anywhere from 10 to 20 degrees between the two trays, and if these figures are correct, I can readily understand why so many chicks develop bowel troubles just as soon they leave the incubator.

The Buckeye Co. claim to have built incubators with nurseries and without nurseries for a number of years and in the course of many experiments they proved beyond question that the chicks which remain right in the tray, where the temperature remains the same from the time they are hatched until they are put in the brooder, will invariably show more strength and vitality than the chicks which are hatched in an incubator with a nursery attachment, where they are subjected to a change of anywhere from 10 to 20 degrees immediately after they are hatched.

This argument appears to me to be thoroughly sound and logical because we all know that a chill right at hatching time must be detrimental to some degree at least, and even though it may not be fatal, it must reduce the vitality and leave the chicks in a weakened condition.

As a result of their experience The Buck-





eye Co. have eliminated the nursery attachment from their incubators entirely and they claim that the machines they are now building will produce absolutely healthy chicks with more size and vitality than can possibly be produced when the nursery is used.

I have noticed during the past few years that a number of incubator manufacturers have been so constructing their egg trays that the chicks may be confined there without dropping into the nursery and I am inclined to the belief that the nursery has only been continued because it was customary to put there and I, for one, am glad to see The Buckeye Incubator Co. make a move in the right direction, for I am convinced that it will only be a short time until the nursery, as we know it, will be a thing of the past.

Wm. H. Jones.

#### WINTER STRAWBERRY SHORT-CAKE.

Fall bearing strawberries—yielding delicious fruit right up to frost time—are perhaps by far the most interesting things to be seen on the big place owned by Mr. W. F. Allen, near Salisbury, Maryland, where millions of berry plants, small fruits, shrubs and privet are raised annually, for shipment to nearly every part of the country.

These fall bearing berries, however, are something more than a mere curiosity. They are sturdy, prolific stock, very practical and extremely profitable to the grower, as anyone familiar with the berry market during late August and September, and even into early October, can easily understand.

Full information, and very interesting information it is, regarding these fall strawberries, may be obtained from the very attractive berry book gotten out by Mr. Allen for 1913, and everyone interested in berries, small fruits and shrubs should by all means send for a copy, if for no other reason than to learn something of this new kind of berry. Just drop Mr. Allen a postal at Salisbury, Maryland, and ask for the Berry Book. By return mail you will get a handsomely illustrated fifty-page book, that is a veritable reference work on berries.

It is with the more standard varieties, however, that Mr. Allen has achieved his greatest success and on which the reputa-

tion of his plants rests. For twenty-eight years this berry grower has been breeding up his varieties, until today he has 120 acres in strawberries alone, to say nothing of the acres in raspberries, blackberries, currants, shrubs, privet, asparagus, etc. Almost anything in this line can be secured from the Allen place, in any quantity, at almost any time. Every farm home should have Allen's 1913 Berry Book. It is worth money for its information on berries. Write for a copy today.

#### EGGS WHEN EGGS COUNT.

Have you ever tried to learn why egg production is so greatly reduced in the winter time? Just at the season when you would like to see it best?

It isn't because Madam Hen is a hot-house production and dislikes the cold, bracing atmosphere, or even objects to getting her feet wet.

There are very few days, if any, so cold as to make her unwilling to get out in the open for food and exercise.

She doesn't suspend business in the winter because of her health, for she is warmly clad, and the feed bills show she eats more than she does when she's real busy.

Then where does the trouble lie? It lies in the fact that while the winter has no terrors for Madam Hen, the same cannot be said for bugs, beetles, worms and small animal and plant life generally.

These choice dietary morsels are most important factors in her business of egg production. She is unable to find them during the cold months.

Of course, she can "get along" on corn, wheat, etc.

But—the difference between five and six dozen eggs a year and two hundred is quite another thing. You look upon Madam Hen as a "good thing," and you want to "force her," just as the florist forces his flowers.

If you want more eggs you must furnish your hens the necessary material with which to make them.

Ordinary green bone, obtained at your butchers at little or no cost, supplies these requisites in greater quantity and at less cost than anything else you can feed.

It must of course be ground fine, and a good, strong, reliable grinder that wears

well, does its work thoroughly and runs easily is a necessity.

A grinder which meets the above requirements satisfactorily is the Mann grinder, which has won over 300 first premiums at all kinds of expositions, fairs and poultry shows. The price of the Mann grinder, compared to the increased profits it brings you, is insignificant and makes it decidedly a profitable investment.

#### NEW MANAGER FOR H. W. JOHNS-MANVILLE CO.'S ATLANTA OFFICE.

The H. W. Johns-Manville Co. announce the appointment of Mr. C. S. Berry as manager of their Atlanta, Ga., office, located at 31½ So. Broad Street. To facilitate delivery in the South a stock of roofings, packings, pipe coverings and other J-M Asbestos, Magnesia and Electrical products is carried at this above address. This office also employs a force of workmen experienced in the application of J-M products.

Every breeder knows that about 75 per cent of an egg is water and to get eggs in winter when the price is high your hens must have plenty of pure fresh water at all times, and water is the cheapest thing that can be procured. Your fowls are pretty discerning, too, as to the kind of water they drink and if given a chance will show as great discrimination in picking out their drink as any epicure. One thing they insist on is drinking water of the right temperature. At our poultry farm near Lombard, Ill., we tried this out by placing various pots, pans and bottom filled fountains and one of Moe's top-fill fountains in our yard and let the chickens choose for themselves. The result was, that Moe's top-fill fountain was crowded with poultry customers all day and all the other drinking vessels were neglected, which was solely because the water in this fountain was of the right temperature. This is the fountain that is constructed on the order of the Thermos Bottle. The dead air space keeping the water cool in summer and from freezing in winter and is manufactured by Otis & Moe, Otis Bldg., Chicago.

## Rose Comb Rhode Island Red Cockerel Sale

Hundreds of early hatched, handsome, rich colored birds, sons of such famous winners as Bill Taft Jr., Bill Taft 3d, Bill Taft 5th, Bill Taft 6th, Bill Taft 7th and other winning males of this great blood line. Without question the most popular strain of Rhode Island Reds before the public today. Prices range from \$3.00 each up. Now is your time to purchase a great breeder at a moderate figure. Write today for handsome free catalogue.

**KAUFMANN & WINDHEIM : NUTLEY, NEW JERSEY**  
 "THE LARGEST BREEDERS AND EXHIBITORS OF ROSE COMB REDS IN THE WORLD"

## THERE IS BUT ONE "BEST"

SILVER PENCILED ROCKS  
 PARTRIDGE ROCKS  
 SILVER CAMPINES  
 S. C. WHITE LEGHORNS  
 BLACK LEGHORNS

IN SILVER PENCILED PLYMOUTH  
 ROCKS—Yes you've guessed it.

## PARKWAY FARM

Also Partridge Rocks and Silver Campines of highest quality. Our winnings at Allentown, Trenton Inter-State and Hagerstown this year are the talk of poultry fraternity. Heavy laying strains of White and Black Leghorns, having exhibition quality. White Leghorn pen 2d at Hagerstown and 3d at Allentown this year. Exhibition and Breeding Birds—We make a specialty of baby chicks from exhibition as well as utility matings, and are now booking orders. Correspondence solicited.

Parkway Farm, Barton T. Fell, Owner, J. F. MacKay, Manager, Route 10, Trenton, New Jersey



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## PLYMOUTH ROCKS.

**WHITE PLYMOUTH ROCKS**—A few choice pairs and trios. E. J. Kirby, Covert, Mich. 1-3

**BUFF ROCKS—WINNERS** Madison Square Garden, Myerstown, Womelsdorf and Reading, Pa. Will sell young and old stock that can win in the best competition in the world. Sell cheap and ship C. O. D. Gem Poultry Farm, Newmans-town, Pa. 1

**GOLDEN BARRED ROCKS**—The New Beauty and Utility Breed. Plumage, buff barring on white. Circular free. L. E. Altwin, St. Joseph, Mo. 1-3

**PARTRIDGE PLYMOUTH ROCKS**—Cockerels, \$2.00; trios, \$5.00. Fine large birds. Satisfaction guaranteed. Fred Kypke, Lake Mills, Wis. 1-3

**BARRED AND WHITE ROCKS**—Standard size and shape. Eggs for hatching \$2.00 per 15, \$10.00 per 100. Satisfaction guaranteed. Susquehanna Poultry Yards, S. S. Shultz, Washington Boro, Pa. 1-3

**IDEAL BARRED ROCKS**—Line bred stock for sale from first pen Louisville Poultry show 1912, both matings. Breeding birds—Cockerels, \$3.00 to \$7.00; pullets, \$2.00 to \$5.00; pens not related, \$10.00 to \$25.00. Exhibition stock a matter of correspondence. Satisfaction guaranteed. Wm. R. Voyles, Ramsey, Ind. 1

**BARRED ROCKS**—Thompson's strain. Shipped approval or C. O. D. Pullets and cockerels, \$1.00 each. Mrs. Edith Chelton, Landonville, Md. 1-3

**BUFF PLYMOUTH ROCKS**—Winners and layers. Great shape, size and color. Cocks, cockerels, hens, pullets, eggs and chicks for sale. Chas. C. Reinehl, North Lawrence, Ohio. 1-3

**EVENUALLY YOU WILL** want the best in White Plymouth Rocks. Why not buy them now? Mine will please you both in quality and price. Write today. E. A. Hayward, Cookeville, Ill. 1

**PARK'S 200-EGG BARRED ROCKS**—Pens headed by sons of 217, 238, 242-egg hens. Hens with sworn records, 217, 225, 237, 258, 246, 247 eggs. Eggs for hatching. Circular free. Fredrick Matteson, 3808 Woodley Lane, Washington, D. C. 1-3

**SNAPPY BARRED ROCK** cockerels \$3.00 to \$10.00 each, from New England fair winners. Hatching eggs, \$2.00 setting, \$10.00 hundred. Metcalf Farm, 925 Grove St., Worcester, Mass. 1-3

**BARRED WHITE AND BUFF ROCKS**—Choice stock and eggs reasonable. August W. Schroeder, St. Peter, Ill. 1

**BEAUTIFUL WHITE ROCK** cockerels (Fisbel) for sale, \$3.00 each. Hatching eggs, future delivery, \$2.00 per 15. T. F. Richardson, Evanston, Ill. 1

**BARRED PLYMOUTH ROCK** cockerels of size and quality for sale. Joe Mitchell, Waucoma, Iowa. 1

**50 HIGH CLASS WHITE ROCKS**—Cockerels, \$2.00 up. (Fisbel direct) 50 eggs, \$3.00; 100, \$5.00. Henry Heitkamp, New Bremen, Ohio. 1

**RICKEY'S FANCY WHITE ROCKS**—Always win in largest shows. At Quincy, Ill., recent show: 15 entries—13 ribbons. Fancy show stock for sale. Write me your wants. J. C. Rickey, Box 200, Clarence, Mo. 1-3

**SHOCKEY'S BARRED ROCKS**—Large, vigorous, and farm raised, excellent style and plumage. Breeding and exhibition birds at reasonable prices. Satisfaction guaranteed or money refunded. Write your wants to Herman Shockey, Sand Patch, Pa. 1-3

**CHOICE PARTRIDGE ROCK** cockerels, \$2.50 each. Hilltop Farm, Wickliffe, Ohio. 1-2

**FOR SALE—PARTRIDGE** Rocks of size and quality. Old and young stock. E. L. Brown, Dennison, Ohio. 1-2

**CHOICE ARISTOCRAT AND PARKS BARRED** and Nottzger Partridge Rock cocks and cockerels at right prices. Chas. Morgan, Loda, Ill. 1-3

**KRUPP'S FAMOUS RINGLET'S BARRED** Plymouth Rocks will please you. Show stock and good breeding birds for sale. Both matings. Eggs, \$5.00 per 15; \$8.00 per 30. S. R. Krupp, Wadsworth, O. 1-3

**HIGH CLASS WHITE PLYMOUTH ROCKS**, Fishel strain, pullets, yearling hens and cocks, for sale. Box 182, George Lehmkuhl, New Bremen, Ohio. 1-2

**PARTRIDGE ROCKS**—Bird Bros.' strain. Cockerels, \$2.00 up. Gregor Fischer, Elkhorn, Wis. 1

**WHITE ROCK EGGS** and Baby Chicks. Direct Fishel blood. 15 eggs, \$3.00; \$5.00 for 50. Will replace every infertile egg. Baby chicks, \$5.00 for 25; \$9.00 for 50. We guarantee safe delivery or replace. Breeding pens, 5 birds, \$15.00. Sold on approval. Every thing we sell guaranteed first quality or money back. Orders for \$10.00 up express prepaid. Fairview Training School, Frenchtown, N. J. 1

**RIVERDALE—350 PARTRIDGE ROCKS**—One hundred from "Fide of Riverdale" that Mr. Heves pronounced "Best male Rock bird ever produced." R. F. Schuler, Roann, Ind. 1-2

**WHITE PLYMOUTH ROCKS** (Fisbel)—Old bird won sweepstakes at Auburn Poultry, 1912; he was mated with hens scoring up to 95. Their get won first and second cockerels this fall. Will sell you guaranteed winners. Write for prices. W. C. Crothers, Kendallville, Ind. 1-3

**"RINGLET" BARRED ROCKS** win at the great St. Louis show, 1912. 1st cockerel, 2d pullet, 2d pullet mated pen. 50 choice males and females for sale. Eggs \$3.00 to \$5.00 per 15. Your inquiry cordially invited. E. B. Thompson strain direct. E. A. Webb, Ewing, Ill. 1-3

**"RINGLET" BARRED ROCK**, direct from Thompson. Extra choice cockerels and pullets. Won second and third cockerels Mo. State Poultry Show, 1912. Write us. Chas. Lamb, Cape Girardeau, Mo. 1-3

**WHITE ROCKS**—Seventeen years' experience, —quality plus utility. Photo for stamp. Circular. Walter Austin Wagner, Middletown, N. Y. 1-3

**BARRED PLYMOUTH ROCKS**—E. B. Thompson strain direct. Right in shape and color, both matings. Cockerels, \$3.00 to \$5.00; pullets, \$2.00. Sent on approval. I won 1st and 2nd pullet, 3rd pen at big Madison show, 1912. Questions gladly answered. Mrs. E. A. Oliver, Belleville, Wis. 1-3

**CHOICE BARRED ROCK** cockerels and pullets. Double mating. Thompson and Bradley strains. None better, few as good. Prices anybody can afford to pay. Pens made up of prize winners. W. H. Goddard, Muncie, Ind. 1

**CHICAGO WINNERS**—Buff Rocks. Two entries: second cockerel; fifth hen. Circular. W. R. Hobbie, Bank Building, Kankakee, Ill. 12-12-1f

**"LARGEST" BARRED ROCKS** in the world—Line-bred exhibition stock for sale from birds scored 93 by H. P. Schwab, and champion male score 94½; also first prize winnings Rochester, N. Y., December, 1911. All exhibition stock will be coop trained and banded with gold bands, and score card by Russell after November 1st. Bargain sale list ready. Unscored utility, \$3.00 each. Largest exclusive Barred Rock farm in Illinois. Luther J. Hall, Kenney, Ill. 11-12-1yr

**FISHEL WHITE ROCKS**—Few choice cocks and cockerels at a bargain: \$1 to \$5. Eggs in season, \$2.50 per setting. C. L. Hartzell, Dustin, Okla. 12-2

**TEN GOOD BARRED ROCK** cockerels for sale. Ringlet Thompson stock, bought direct. April hatch. Prices right. Thos. Dugan, Indiana, Pa. 12-1

**COLUMBIAN PLYMOUTH ROCKS**—Grand breeders for sale. Eggs in season. J. Lee Simmons, Adamstown, Md. 12-2

**BUFF ROCKS**—Young and old stock for sale. Exhibition birds. Special correspondence. Satisfaction guaranteed. Otto Wendt, La Hogue, Ill. 12-2

**RINGLET BARRED ROCKS**—Large, vigorous, farm range cockerels of high quality at bargain prices. Mrs. J. M. Kemp, Kenney, Ill. 12-2

**500 BARRED ROCK PULLETS** for sale that will make splendid layers. Eggs for hatching in 100 or 1,000 lots. L. F. Thompson, Hope, Indiana. 12-1

**BUFF ROCKS**—Cockerels and pullets at \$2.00 each, sired by Boston First. Order at once. Bennett and Rogers, Brown, W. Va. 12-2

**BUFF ROCK COCKERELS**—\$2.00 and \$3.00. Free circular. Vere, L. Ringle, Atlantic, Ia. 12-1

**BRED-TO-LAY BARRED ROCKS**—Excellent cockerels from strong blood lines of bred-to-lay stock. Also a few choice hens at moderate prices. C. A. Newcomb, Celina, Ohio. 12-2

**BUFF ROCKS**—500 grand birds. Write your wants. Geo. Bartlett & Son, Seymour, Ind. 12-1

**WHITE ROCKS FOR SALE**—Cockerels, \$2.00, \$3.00 and \$5.00. Pullets, \$1.50 and \$3.00. C. Ray Morgan, Bristol, West Va. 12-2

**COCKEREL BRED BARRED ROCKS**—Bradley. Good bone, deep barring. Second to none last year; better this year. \$1, \$2, \$3 and \$5 each. I will please you. J. W. Zufall, Robertson, Iowa. 12-2

**QUALITY BUFF ROCKS**—Choice stock for sale at reasonable prices. Have color, shape and size. Winning and fine laying strain. Write me your wants. Milan C. Astle, Box A, Momence, Ill. 12-2

**"RINGLET" BARRED ROCKS**—Exhibition quality. Cockerel and pullet mating. Cocks, hens, cockerels, pullets, \$2.00 to \$5.00 each. Mated breeding pens, 5 birds, \$10.00 to \$16.00. 5 choice utility female and male, \$10.00. Sold on approval. Circulars. John Northon, Clare, Mich. 11-1

**WHITE PLYMOUTH ROCKS**—Winners of 14 firsts, 3 silver cups, in 3 shows. I have excellent stock on hand at reasonable prices. Write your wants to Martin Hanson, Goshen, Ind. 11-1

**PARTRIDGE ROCKS**—Choice stock for sale. Prices reasonable. Hez Kinter, Dillsburg, Pa. 12-2

**CLOSING OUT BUFF ROCKS**. Stock fit to show in any company; everything must go. Theo. Benner, Bunker Hill, Ill. 11-1

**WHITE PLYMOUTH ROCK** cockerels, March hatch. Fine fellows, genuine Fishel blood. We guarantee to please or money refunded. Good birds at \$4. Extra shape and carriage, \$5. Express prepaid. Fairview Training School, Frenchtown, New Jersey. 11-1

**WRITE, MAY BUGG**, Assumption, Ill. If interested in bred-to-lay Barred Plymouth Rocks. We have a fine lot of youngsters, both sexes, for sale. No cheap birds. Prices reasonable. Satisfaction guaranteed. 11-1

**"FISHEL" WHITE ROCKS**—Cocks, cockerels, hens and pullets. Plummer McCullough, Mercer, Pa. 11-1

**BUFF ROCKS** from the Nugget strain. Stock for sale. Clara Orr, Kirklint, Ind. 11-1

**RINGLET STRAIN**—Barred Plymouth Rock cockerels, \$1.50 to \$3.00 each. Satisfaction guaranteed. M. L. Stamper, Clifton Hill, Mo. 11-1

**RINGLET BARRED ROCK** cockerels. E. B. Thompson's strain; large, active and nicely barred; sure to please; \$2.50. Walter Irven, Brookville, Ill. 11-1

**WHITE ROCKS (FISHEL'S)**—Several hundred cockerels and pullets, \$2 up; free circular. White View Poultry Yards, Mishawaka, Ind. 11-1

**BARRED ROCKS** (Hawkins, Pittsfield). White Rocks (Fisbel), Buff Rocks (Poley). All stock trap-nested. Bred for early maturity, egg-production, exhibition qualities. Cockerels, \$2.00, \$3.00, \$5.00, \$10.00. Rock Poultry Farm, Denton, Mich. 11-1

**PARTRIDGE ROCKS**—Bird Bros. & Hageman's strains. Trios, \$9 to \$15; pens, \$15 to \$18; eggs, \$3 for 15. Satisfaction guaranteed. H. P. Smith, Piqua, O. 11-4

**TRAP-NESTED WHITE ROCKS**—150 yearlings, as pullets paid profit \$250, September to January, market eggs, records 150 to 252; \$3.00 each. Pullets from these hens, \$3 to \$5. Cockerels, \$5. Dam's record, 252 eggs. L. M. Filmore, Box 9, Hubbardston, Mass. 11-1

**WHITE ROCKS—PRIZE WINNERS** at Cincinnati, Hamilton and Indianapolis for the last twelve years. Breeders and prize winners for sale. H. L. Brown, Oxford, O. 11-1

**FAIR VIEW YARDS**, Fluffy Ruffle strains Barred Plymouth Rocks again victorious, 3 firsts and 2 seconds, Catskill, 1911. Cockerels and pullets for show or breeding. Prices right, quality the best. Frederick Coons, Greendale, N. Y. 11-1



## PLYMOUTH ROCKS.

**COLUMBIAN PLYMOUTH ROCKS** with Rock size and shape and color that would make a Brahma proud. Let me send prices, descriptions and feathers. Stock shipped on approval. G. W. Garlock, Fort Atkinson, Wis. 1-1

**PARTRIDGE PLYMOUTH ROCKS** of quality. Greatest money making fowl today. 15 eggs, \$3.00; 30, \$5.00. You can pay more money, but cannot get more quality. Will L. Clark, Sullivan, Ohio. 2-ff

**BARRED PLYMOUTH ROCKS**—The kind that win. Large boned, vigorous, stylish farm-raised birds. With narrow blue bars to the skin, and bred for heavy egg production. Am giving some rare bargains. Write your wants. Mrs. A. Berry, Box No. 250, Clarinda, Iowa. 1

## LEGHORNS.

**BULLY GOOD WHITE LEGHORNS (S. C.)**—500 hens, 1911 hatched \$1.00 each, shipments from Sheboygan, Wis. or New York. 100 two-year-olds, 80c. Will stand return expressage on any lot not entirely satisfactory. Circular free. George Phillips, 11 Cranford Park, Wakefield, New York City. 1

**ROSE COMB BUFF LEGHORNS**—Cockerels for sale with score card. Eggs in season. Geo. F. Hoffman, Cuba, Wis. 1-3

**FINE ROSE COMB Brown Leghorn cockerels**, \$2.00 up. G. J. Donahue, Box 51, Delavan, Wis. 1-2

**ROSE COMB BROWN LEGHORN cockerels**, show birds, prize winners. Rufus Clark, Liberty Center, Ind. 1

**ROSE COMB WHITE LEGHORNS**—Peoples National Bank backs our business. G. Ruck & Co., R. 5, Wapakoneta, Ohio. 1-3

**IF YOU WANT** Rose Comb White Leghorns of quality, write Thos. Brogren, Rush Lake, Wis. 1

**WILLOW BROOK FARM**—S. C. White Leghorns exclusively. White, fine shape, bred especially for egg production. Hatching eggs, day-old chicks, pullets, cockerels and pens for sale. Satisfaction guaranteed. G. S. Voorhees, Basking Ridge, N. J. 1-3

**SINGLE COMB WHITE LEGHORNS**. Very fine breeders at low prices. Wyckoff or Young's strain. J. A. Shineman, Canajoharie, N. Y. 1-3

**S. C. BROWN LEGHORN**—Show birds, breeding stock, hens, pullets, price and quality right and satisfaction guaranteed. Fine utility cockerels \$1.00 each. Wiebke strain at Crow Creek Poultry Farm, Washburn, Ill. 1-4

**ROSE COMB WHITE Leghorns**. Circular free. Glendale Poultry Yards, Bradford, N. Y. 1-3

**YOUNG'S STRAIN SINGLE COMB White Leghorns**. My first five pens are headed by birds sired by Madison Square Garden first prize winners mated to selected females. Eggs, \$3.00 per 15; fine utility matings, \$1.00 and \$2.00 per 15. Satisfaction guaranteed. Quality Poultry Yards, C. M. Dressel, Convoys, Ohio. 1-3

**TWO THOUSAND S. C. WHITE LEGHORN Pullets**; one thousand yearling hens. Heavy laying strain. Will sell at a bargain. Crowded for room. Write for prices and 12 free photographic views of our plant, the largest in Central Pennsylvania. Kerlin's Grand View Poultry Farm, Centre Hall, Pa. 1-3

**SINGLE COMB WHITE Leghorns**—Choice stock and eggs reasonable. August W. Schroeder, St. Peter, Ill. 1

**35 PULLETS FOR SALE**, also 18 cockerels. S. C. White Leghorns, Ingraham strain. Vigorous, farm-raised stock. Reference, Judge Hackett, North Freedom, Wis. Sarah Simmons, Lake Mills, Wis. 1-2

**FOR SALE**—SINGLE COMB Brown Leghorns. Fine males and females. Eggs for hatching after March first. Riverside Poultry Yards, John Ott, Decatur, Ill. 1-3

**S. C. W. LEGHORNS**—Young's strain. Choice cockerels, grandsons of first prize winners at Madison Square Garden, \$2.00 each. Your money returned if not satisfactory. Eggs from exhibition matings, \$3.00 per 15; \$15.00 per 100. From grand free range flocks headed by Pedigreed males, \$6.00 per 100. Fertility guaranteed. Catalogue free. Louis Perrier, Box A, Bonnots Mill, Mo. 1-3

**CORNING EGG FARM** Single Comb White Leghorn cockerels \$3.00 each. Edwin Moyemont, El Paso, Ill. 1

**SINGLE COMB WHITE LEGHORNS** (Young's strain). Bred for size, quality and egg production. Stock and eggs reasonable. Dr. Campbell, Wagoner, Ill. 1-3

**50 HIGH CLASS** Single Comb White Leghorn cockerels. Young's direct. \$2.00 up; 50 eggs, \$3.00; 100, \$5.00. Henry Heitkamp, New Bremen, Ohio. 1

**100 CHOICE SINGLE COMB White Leghorn cockerels**, Young's and Wyckoff's strains direct, \$1.00 each upward. White Feather Farm, New Bremen, Ohio. 1

**SINGLE COMB BROWN LEGHORN cockerels**, pullets, hens; high grade range raised, big vigorous birds from proven strain of layers. Mrs. Snowy White. Mrs. John English, Nevada, Iowa. Chas. Kelly, Carwood, Ind. 1-3

**SINGLE COMB WHITE LEGHORNS** cockerels. Wyckoffs direct, \$1.00 and up. E. L. Brown, Dennison, Ohio. 1-2

**WYCKOFF**—S. C. WHITE LEGHORNS. Special breeding cockerels. Order eggs now delivery when desired. E. R. Mosser, Hendricks, W. Va. 1-6

**WHITE LEGHORN PULLETS** and cockerels, "Young's." Write H. A. Albert, Johnstown, Pa. 1-2

**S. C. BUFF LEGHORN cockerels** that win. Utility males, \$2.00; exhibition birds, \$5.00 to \$10.00; eggs from winners, \$3.00 per 15. B. F. Avery, Kewanee, Ill. 1

**ROSE COMB WHITE LEGHORN cockerels**, hens, pullets, \$2.00 each; trio, \$5.00. Henry Schowe, New Bremen, Ohio. 1

**SINGLE COMB BROWN LEGHORNS**, Grove Hill strain direct. Choice exhibition cockerels and pullets at a bargain while they last. F. E. Thomason, Whittington, Ill. 1

**SILVER CUP WINNERS**—S. C. Buff Leghorns, Nelson strain. Fine cockerels for disposal. Breeders and exhibition birds shipped on approval. Eggs in season. Karl Nelson, 508 E. Wall St., Morrisson, Ill. 1-3

**S. C. WHITE LEGHORN eggs** for hatching \$6.00, \$8.00, \$10.00 per hundred. Heavy laying strain. Healthy, vigorous stock. Pullets for fall delivery. A. Hooker, Stonywood Poultry Farm, Geneseo, New York. 1-3

**S. C. WHITE LEGHORNS** going at \$1.00 and up. Write me. Mrs. Fred B. Peterson, New Windsor, Ill. 12-2

**SINGLE COMB WHITE LEGHORNS**—Park-side direct. Prices reasonable. Satisfaction guaranteed. S. Engstrand, Steger, Ill. 12-2

**SINGLE COMB BROWN LEGHORNS**—If you want high quality at low prices, write me your wants. A. L. Lehman, Toulon, Ill. 12-2

**BLANCHARD WYCKOFF SINGLE COMB White Leghorns**, 20 eggs \$1.00, \$4.00 and \$4.50 per 100. Orders booked now, spring delivery. Catalogue free. W. Albers, Lombard, Ill. 12-2

**STANDARD UTILITY**, 200-Egg, prize winning strain S. C. W. Leghorn cockerels \$2.00; best \$3.00; pullets laying now, same strain \$2.50; best \$3.00. Eggs and chix in season. L. N. Cushman, Hubbardston, Mass. 12-2

**"DONNAN'S QUALITY WHITE LEGHORNS"**—Single Comb. Choice breeding or exhibition cockerels, hens, pullets. Eggs and day-old chicks from high-scoring, record laying pens only. Mating list. Satisfaction guaranteed. Robert W. Donnan, Box 60, Cambridge, N. Y. 12-3

**"RUSSELL'S" MODERN EXHIBITION Single Comb Brown Leghorns**. Highest awards. Birds of quality, none better. Prices reasonable. Catalogue free. Cockerels, eggs or baby chicks. F. H. Russell, Box 26 Wakeman, Ohio. 12-2

**MY SINGLE COMB BROWN Leghorns** always win. Choice stock for sale. Dr. Eaton, Tremont, Ill. 12-2

**"LANE'S S. C. BLACK LEGHORNS."** The "Lane" strain will breed winners. Have 1912 winners. Send for circular. R. E. Lane, Charlotte, Mich. 12-2

**S. C. W. LEGHORNS**—Vigorous farm raised cockerels and some splendid cocks. Eggs for hatching. White Leghorn Farm, Normal, Ill. 12-2

**SINGLE COMB WHITE LEGHORNS** (Young or Eastling). Pure white, low spread tails and fine head points. Best layers. Price \$1.00 up. Show birds that will win, \$5.00 up. C. Edward Blomquist, DeKalb, Ill. 12-2

**S. C. W. LEGHORNS**—Hatching eggs, fertility guaranteed. Day-old chicks, born with the "hustle" in them. Safe delivery guaranteed. Special sale of mature cockerels, \$2.00 each. Mount Pleasant Farm, Mount Pocono, Pa. 12-5

**BUFF LEGHORNS! SINGLE COMB**. Young and old stock in males and females. Grand in color, size and comb. As egg producers have no equal. Orders booked now for hatching eggs. For early spring delivery. Geo. C. Schweigman, Richmond, Indiana. 11-1

**FOR SALE**—SOME CHOICE stock in S. C. White and R. C. White Leghorns bred from prize winners. Both exhibition and breeding birds. Satisfaction guaranteed. Write your wants. Lily White Poultry Yards, Lincoln, Ill. 11-1

**ROSE COMB BROWN LEGHORNS**—High class cockerels, \$1.00 each. R. H. De Vault, Bloomfield, Iowa. 11-1

**SINGLE COMB BROWN LEGHORN cockerels** from high scoring stock, \$1 up. Addie Whitesides, Memphis, Ind. 11-1

**BUFF LEGHORNS**, Rose, Single. Photos, feathers. Catalogue free. Horton Green, Dixon, Ill. 11-1

**COCKERELS READY—WELDAY'S VITALITY** Strain Single Comb Brown Leghorns have a 5-year flock average egg record of 208 eggs per hen yearly. World's Leading Layers. Catalogue free. K. K. Welday, Seville, Ohio. 11-1

**SINGLE COMB BROWN LEGHORNS**—Some choice cockerels to spare. Write for prices. Dave Gladfield, R. 34, Peoria, Ill. 11-1

**ROSE COMB WHITE LEGHORNS** bred from my blue ribbon winners at Illinois and Iowa State Shows, 1912. If you want winners, write me. George A. Rigler, Bentonport, Iowa. 11-1

**ROSE COMB BROWN Leghorns**. "Kulp Strain." Large, early standard-bred cockerels, \$1.00 each, \$10.00 per dozen. Pirtle Poultry Farm, Bloomfield, Iowa. 11-1

**SINGLE COMB BROWN Leghorns**—Choice exhibition, breeders and layers. Queen Quality Poultry Farm, Pekin, Ind. 11-1

**ROSE COMB BROWN LEGHORNS**—Winners State Poultry Show, State Fair, also Memphis and Muskogee, 1912. John Johnson, Calhoun, Mo. 11-1

**S. C. WHITE LEGHORN cockerels**—Big, robust, modern type, early-hatched, from proven layers. Satisfaction absolutely guaranteed. Jas. H. Roby, Fairfield, Ill. 11-1

**ROSE COMB BROWN and White Leghorn cockerels**—Standard bred; none better for eggs or show. Satisfaction guaranteed. E. B. Cole, Sauquoit, N. Y. 11-1

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**GOLDEN WYANDOTTES—COCK-** erels and pullets for sale, from an excellent laying strain; also Sheppard's strain Single Comb Anconas—the world's best layers. Mating list free showing our fall winnings. Satisfaction or money refunded. The Western Reserve Poultry Farm, Warren, Ohio. 1-13-1yr



**CRYSTAL WHITE ORPINGTONS—** Pens now mated. Eggs from exhibition matings, \$4 for 15. Choice Utility, \$2 for 15. Orders booked for day old chicks, 25 for \$5.50; \$18 per 100. Geo. W. Burnes, Box 340A, Norwalk, Ohio. 1-1



**YOU CAN WIN THE FALL SHOWS** with our early hatched Big Type S. C. White Orpingtons, from stock with the size, quality and prize records. Write us. Mention A. P. J.

Duncan Orpington Yards

3-12-1yr Seaton, Illinois



**HAMBURGS, R. C. SEABRIGHTS** Japanese Bantams. Stock eggs \$4 per 15. Judging engagements.

RICHARD OKE

2-12-1yr. Box 361, London, Canada



**STOCK FOR SALE—From prize** winning strain of Single Comb Black and White Minorca. S. C. Brown Leghorn cockerels from \$2 up; pullets, \$5; S. C. Brown Leghorn hens, one-year-old, from \$1 to \$2; good winter layers. C. Jack Buchtel, O. 3-12-1yr



**FOR SALE—A BARGAIN—1 pen** of Kellerstrass White Orpingtons, eight hens and cock bird. Also R. and S. C. R. I. Reds. Stock raised on free range and kept on the Corning system. Eggs and stock. W. H. Park, Freedom, Pa. 5-12-1yr



**DAY OLD CHICKS—J. C. REC-** tor's valuable booklet, "15 Years' Experience Buying Day Old Chicks" together with full 25-cent box of either Carter's White Dia, Remedy or Carter's Guaranteed Roup Cure sent on receipt of 10 cents postage. Dept., Carter Poultry Food Co., Boston, Mass. 1-1



**RUNNER DUCKS, LIGHT FAWNS,** Penciled—Trios or pens of Yearlings or youngsters in Runners, either Light Fawns or Dark Penciled Fawns. Mated not akin. A few choice males in W. Leghorns, W. Rocks, W. Wyandottes and Reds. Premium Poultry Farm, Box 73, La Harpe, Ill. 1-12-1yr



**BUFF AND WHITE ORPINGTONS** Single and Rose Comb Anconas, Baby Chicks, eggs or breeding stock. Some fine young birds at reduced prices for quick sales. Write your wants or book order for chicks and eggs now. Capital City Poultry Yards, Olympia, Wash. 1-2



**BABY CHICKS OR EGGS—PLY-** mouth Rocks, Reds, Leghorns, Anconas, Minorcas, Langshans, Orpingtons, Cornish Indian Games, Wyandottes, Indian Runner Ducks, Embden Geese. Also twelve varieties of Bantams. Best blood lines properly mated. Send for Catalogue. Talbot's Twin Oaks Farms, Sargents, Ohio. 1-3



**SINGLE COMB WHITE ORPINGTON** cockerels and pullets, grandchildren of \$200.00 Kellerstrass pen, from \$3.00 to \$5.00. Hale's Explanatory Score Card by Judge Mertens on request. Score up to 94. Eggs in season. Marion Stevenson, Maplewood, Mo. 1-1



**GENUINE IMPORTED WALTONS** Indian Runner Ducks. The world's best. First at world's greatest shows including London, Madison Square, Boston. Greatest egg record. Pure white eggs, \$1.00, \$3.00 and \$5.00 for 12. Mrs. Sanford Burnett, Jefferson City, Tenn. 1-3



**RICE'S REDS! SINGLE COMB** Rhode Island Red cockerels, red to the skin, heavy birds with extra large bone from March hatch. Some prize winners for sale. Satisfaction guaranteed. Albert Rice, Potomac, Ill. 1-1



**AT PEORIA, DEC., 1912, IN CLASS** of 133 birds we won 9 regular and 3 special prizes including McDougal cup for best display on 9 entries. Write us your exact wants. H. A. Jacobs, R. 36, Peoria, Ill. 11-12-1yr



**BREEDERS, \$1.50 EACH.** Rose and Single Comb Rhode Island Reds, Buff Orpingtons, White and Columbian Wyandottes, Pekin, Rouen and Indian Runner ducks. Catalogue free. G. A. Mitchell, Dept. A, Freeport, Ill. 2-12-1yr



**60 VARIETIES FANCY POULTRY.** Geese, Ducks, Chickens, Turkeys, Pea Fowls, Guinea, Pheasants, Pigeons and Rat Dogs. Incubators, brooders and poultry supplies. Stock and eggs cheap all times. New 60-page catalogue, 2c. F. J. Damann, Farmington, Minn. 11-12-1yr



**REGAL WHITE WYANDOTTES,** they are unexcelled as layers and winners. At Buffalo great international show this year, I won five ribbons and best display. They will win for you. HENRY R. JONES, 3-12-1yr Derby, N. Y.



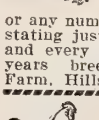
**BREEDERS, ATTENTION!** I have secured stock from the foremost breeders in America and because of our mild climate I am prepared to furnish you birds in advance of any you can produce in all the leading varieties. Write your wants. Feliciano Ferreira De Moraes, Campinas, S. Paulo, South America. 12-12-1yr



**BARRED ROCKS—Farm** raised pure bred, healthy and vigorous; 100 acres of range. Cockerels and pullets for sale; eggs in season. Stock and prices right. Satisfaction guaranteed or money back. F. H. Apple, Farmersville, Ohio. 12-12-1yr



**ORPINGTONS—Owing to the** high cost of living we will make prices on stock for next sixty days to fit your pocketbook. Stock in Buffs and Whites for any show, and breeding birds equal to any you can find. Single birds and pens, or any number. Hundreds to select from. Write stating just what you want. Stock on approval and every sale made on a guarantee. Twelve years breeding Orpington only. Brookdale Farm, Hillsdale, Mich. 11-12-1yr



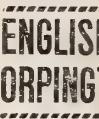
**WHITE PLYMOUTH ROCKS—** Farm raised, from prize winning stock of the Bickerdike strain. A few good cockerels and hens yet for sale. Am booking orders for eggs at \$5.50 per 100. Satisfaction guaranteed. C. F. Long, Waggoner, Ill. 1-1



**EXTRA WHITE ORPINGTONS** and White Plymouth Rocks—Choice cockerels for sale, good shape and size, good color, show birds and good breeders, \$3 to \$10. A few females, \$2 and \$3 each. Eggs, \$3. Oscar C. Nicodemus, Wadsworth, Ohio. 1-1



**FAIRACRES FARM—TOGGEN-** burg, Saanen, Milkers and Does in Kid, Pea Fowls, Swans, Mink. Stamped envelope. Fairacres Farm, Joliet, Ill. 1-6



**ENGLISH ORPINGTONS** BLACK, WHITE, BUFF Rose and Single Comb. Males \$5 to \$10; females \$3 to \$5. JNO. A. HAGEMAN CO.



12-1y Box A, Charlotte, Mich.  
**CHAMPION PARTRIDGE ROCKS** MADISON SQUARE GARDEN, 1906-07-08-09-10-11, Boston, Philadelphia, Baltimore, Washington, Hartford, Allentown, Hagerstown, Mating List. HILLCREST FARMS, Oakford Pa. 2-12-1yr



**PARTRIDGE ROCKS** ALSO COLUMBIAN, SILVER Penciled and Barred of high class. J. A. HAGEMAN, President Partridge Plymouth Rock Club, Box A, Charlotte, Michigan. 12-11-1yr



**BREEDER OF HIGH-CLASS** S. C. WHITE LEGHORNS WHITE WYANDOTTES S. C. BUFF ORPINGTONS Eggs and stock at all times Handsome Cloth Bound Catalog for Stamp.





JIM ROHAN, and His Championship Winners

# A Postal Brings WORLD'S CHAMPIONSHIP Incubator Facts from Jim Rohan— and His Champions— Don't Spend a Cent For Any Incubator Till You Learn How To Get Into The Championship Belle City Class.

**J**UST write me a postal. I want to send you the most remarkable incubator and brooder news ever published. I want to send you *all* the facts about my 6-time World's Champion Belle City Incubator. I want to tell you about the folks who *won the prizes*, give you information on *how they did it*, show you how to get into the World's Champion Hatching Class. I want to quote you the most sensational, most amazing low price ever made in the history of incubator selling! Let me tell you how to make the most profit out of poultry *right from the start* and at the *least possible cost*—how to make the wisest selection of an incubator and brooder. I want to tell you how I give you 1, 2, or 3 months test right in your own home, and my liberal, personal 10-year guarantee and money-back offer. Won't you write me? Just mail me a postal and I'll send all this information *and more*, absolutely free. Let me tell you how my

## Belle City Wins In 10,000 Hatch-Contests

—how my 6-time World's Champion Incubator won its famous prizes in open competition against all other incubators, many costing from two to five times more;

—how the Belle City won on its *merits*, and won year after year.

I will take you right into my confidence and show you exactly the reasons why 195,720 other folks are making big profits with the 6-time World's Championship Belle City Incubator. I will explain my *manufacturing, selling, and shipping* plan worked out to save big money for you.

I want to tell you exactly how my Belle City is made—how they are different from all others, how I have embodied in them everything worth having *in and on* an incubator—the features that have made the Belle City the 6-time World's Championship Winner. And I want to tell you all about my brooder—the only double walled, hot water, top heat brooder made, guaranteed to raise largest percentage of chicks every time. Let me send you

### My Price Sensation

You will be surprised at the remarkable low price at which I sell my machines direct from factory on 1 to 3 months home test. I want to tell you how I send them all freight prepaid. I want to *show* you how my customers are protected by my ironclad 10 year personal guarantee. I want to tell you *why* my business has grown by leaps and bounds, and why it is growing bigger every day. All I ask is the chance to *prove* everything to you by sending you all the facts and figures. Whether you write to others or not, whether you buy of me or not you ought to *read the news* I want to send you. Won't you write me? Just say "Send World's Championship Hatching Facts." Address JIM ROHAN, Pres.



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**Belle City Incubator Company, Box 27, Racine, Wisconsin**



# EGGS

From my Madison Square Garden, Philadelphia, Pittsburg winners, \$10 to \$3 per 15. Illustrated catalogue free.

**ELLIS S. SHELLY**  
Box 2436, Williamsburg, Pa

## SHOEMAKER'S POULTRY BOOK

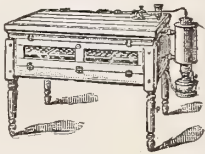


### AND ALMANAC.

There is nothing in the world like it. It contains over 200 large pages, with many fine illustrations. A number of BEAUTIFUL COLORED PLATES OF FOWLS—showing them in their natural color. Tells all about all kinds of thoroughbred chickens, with life-like illustrations. Prices of eggs for hatching and fowls for breeding purposes. TELLS HOW TO RAISE POULTRY SUCCESSFULLY, their care and management and how to treat all diseases common among them. Gives illustrations and descriptions of convenient poultry houses, and plans to build them.

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with fine illustrations, complete description, and lowest prices. ALL ABOUT OPERATING THE INCUBATOR. This chapter is marvellously complete, and worth much more than the price we ask for the whole book. This Poultry Book is worth dollars to anyone interested in the raising of fowls. IT IS AN ENCYCLOPEDIA OF CHICKEN-REARING, and no one can well afford to be without it. Will be mailed to anyone upon receipt of only 15c. Money refunded if not pleased.



C. C. SHOEMAKER, Box 605, Freeport, Ill.

# White Plymouth Rocks

My birds were one of the leading winners at the great Chicago show, Dec., 1910. Can supply winners for any show in the country. Write now for prices. Write for circular. Egg orders booked now. Mention A. P. J. when writing.

**J. H. Trobaugh - Box 253 - Delphi, Indiana**

# White Rocks

Koons' White Rocks again prove their winning quality at the Philadelphia show. 1st cockerel, 1st pullet, 2d hen, 4th cock on five entries. Pullet won special for best pullet in show, all varieties competing. Eggs after February 1st, all headed by males having won first prizes, \$10 per setting.

**Koons' Farms : Treichlers, Pennsylvania**

# SKINNER'S STANDARD WHITE WYANDOTTES

Have been winners at the leading Mid-West shows for the past eight years. A grand lot of birds for sale. Mention American Poultry Journal when writing.

**F. E. SKINNER : : : SANDWICH, ILLINOIS**

# BARRED ROCKS

First cockerel and five specials at Philadelphia, Pa. First pullet, second hen and second pen at Camden, N. J. Strong, vigorous stock for sale. Eggs from choice pens.

**MAPLE GRANGE POULTRY YARD**  
**S. M. GOUCHER : : MOORESTOWN, N. J.**

# GREAT CHICAGO WIN

## PARMENTER'S S. C. WHITE LEGHORNS

Won 1, 5 hen; 2, 4, 5 ckl.; 2 pullet; 2 pen; 4 cock; special for 3 best ckl. in class. Also sweepstakes, winning most points. We defeated the former Chicago winners, the Parkside Strain, and also won more points than E. W. Grove Jr. Strain. Our high-up winners were all bred by us and the class in this show was larger than ever, in fact the largest and hottest class ever cooped in America. Let me book your egg order now for future delivery. Can furnish you winners for any show. Also a fine lot of breeding cockerels.

**ROBT. D. PARMENTER : BOX A : KNOXVILLE, ILLINOIS**

# THE HENDERSON STRAIN OF BARRED PLYMOUTH ROCKS

## Victorious Again!

At Chicago, 1912, they won 1st and 2d ckl., 2d cock, 2d and 3d pullet, 5th ckl.-bred hen, 4th ckl.-bred pullet, 3d ckl.-mated pen, 3d pullet-mated pen and grand champion male of all Barred Rocks at this, the greatest Barred Rock show ever held, in competition with America's foremost breeders. If you desire the best blood obtainable, write for my descriptive 1913 mating list.

**W. W. HENDERSON** 921 SECURITY BLDG. ST. LOUIS, MISSOURI  
FARM, BRIDGETON, MISSOURI..



# M. F. & H. : 200-EGG STRAINS : M. F. & H. STOCK, EGGS AND BABY CHICKS

If a Hen is not a Profitable layer, of what use is she to you?

Horses bred for speed are a luxury and should be the property of those who can afford to have them.

Fowls bred for exhibition only present the same proposition as the race horse.

Do you want to keep poultry or do you want poultry to keep you?

"Bred to lay" fowls eliminate the gambler's "chance" and give you the opportunity of engaging in a business wherein success is reasonably assured.

The average hen lays 80 eggs per year. All of these eggs are laid during the months of March, April, May, June and July. The price of eggs for the above months ranges from 15 to 20 cents per dozen, or an average price of 17½ cents, making a total of \$1.17 worth of eggs from the average hen per year. It will cost \$1.60 to feed a hen per year as it should be fed for egg production. According to these figures, the average hen is a failure. According to these figures, if you purchase stock, eggs or baby chicks from the average hen, you will make a failure of the poultry business. The average hen should, therefore, be avoided. She is more prevalent among flocks that are bred for show purposes exclusively, as very little attention is given to egg production. That profitable egg layers are not of the exhibition type is a fact that is being more clearly demonstrated each year.

## Midlothian Strains Are Bred for Eggs

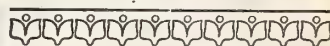


We trap-nest 800 hens and pullets each year, keeping a record of the total number of eggs laid by each hen or pullet. When the breeding season is at hand we are prepared to breed for best results. In making our pens from which we expect our future layers we exclude all fowls with a record less than 144 eggs.

For the season of 1913 we will mate forty pens of eight females to each pen. The egg records of these females are from 144 to 281 eggs. To these females will be mated males from the best egg producers that we possess. Our fowls are winter layers. In January, 1911, flock No. 6, consisting of 73 White Orpington pullets, averaged 52 eggs a day for the entire month. The total number produced for this period was 1,612 eggs. These eggs were sold to private trade residing in Chicago at 60 cents per dozen. The total receipts from the sale of these eggs amounted to \$80.60. An average of \$1.10 per fowl for one month. We have winter layers innumerable that have laid sufficient eggs in less than two months' time to pay for their feed for the entire year.



LADY SHOWYOU



We breed for egg production the following varieties:

WHITE

**Orpingtons**

BUFF

BARRED

**Plymouth Rocks**

WHITE

ROSE AND SINGLE COMB

**Rhode Island Reds**

**White Wyandottes**

**S.C. White Leghorns**



Among our best layers are the champion pen and the champion individual hen of the National Egg Laying Contest, season of 1911 and 1912 conducted by the Missouri State Poultry Experiment Station, Mountain Grove, Missouri. The champion pen consisted of five Rose Comb Rhode Island Red pullets. They laid 1,042 eggs in twelve months, the duration of contest. The champion individual, Lady Showyou, a White Plymouth Rock hen, laid 281 eggs, a remarkable record that will appear in the annals of egg production for all time.

Other champions are: Champion White Orpington hen, with a record of 232 eggs, which outlaid all Orpingtons of all varieties; champion Single Comb Rhode Island Red hen, with a record of 236 eggs; champion Rose Comb Rhode Island hen, with a record of 255 eggs; champion Barred Plymouth Rock pen, with a record of 967 eggs. The laying qualities of our Buff Orpingtons, White Wyandottes and S. C. W. Leghorns are of the same proportions as our champions.

## Stock, Eggs and Baby Chicks

You cannot buy, regardless of price, stock, eggs or baby chicks that will produce the profits that are being produced by Midlothian Strains. Midlothian Farms and Hatchery is today the largest and most profitable poultry plant in this country. We can supply you with:

**Pullets from trap-nested stock with records of 144 eggs and up at \$2, \$3, \$4 and \$5.**

**Hens with individual records of 144 eggs and up at \$6, \$8, \$10 and \$12 each.**

**Hens from trap-nested stock without individual records at \$3 and \$4 each.**

**Cockerels from trap-nested stock with records of 144 eggs and up at \$4, \$6, \$8 and \$10 each.**

**Cocks from trap-nested stock with records of 144 eggs and up at \$5, \$8, \$10, \$12 and \$15 each.**

**Eggs from stock with records of 200 eggs or better, 30c each.**

**Eggs from stock with records of 144 to 199 eggs, 20c each.**

**Eggs from stock not trap-nested but of the same blood lines as trap-nested stock, 10c each.**

**Baby chicks from stock with records of 200 eggs or better, 50c each.**

**Baby chicks from stock with records of 144 to 199 eggs, 35c each.**

**Baby chicks from stock not trap-nested but of the same blood lines as trap-nested stock, 20c each.**

We are now booking orders for eggs and baby chicks. Booking your order now assures the delivery of eggs and baby chicks when you desire them. You may send us your order, enclosing \$5 as a deposit, and send the balance five days before your order is to be shipped. We replace all infertile eggs free of charge and guarantee safe arrival of all chicks. Write for catalogue. Book your order now.

**Midlothian Farms and Hatchery** Home of the Inter Ocean-Midlothian Egg-Laying Contest  
**JOHN G. POORMAN, Mgr.** Box 200, Tinley Park, Ill.



# WARD'S CHAMPION DARK CORNISH

Another big win for Ward at Trenton, N. J. in hot competition; winning 1 cock, 1, 3 hen, 1, 2 cockerel, 1, 2 pullet, 1, 2 pen and several specials on nine entries. See my wins at Allentown and Hagerstown. Mating list ready January 15th. Mention American Poultry Journal when writing.

John W. Ward, Jr. : Box 9 : Pennington, New Jersey

## THE MOST POPULAR FOWL today is U. R. Fishel's White Ply. Rocks SCRANTON'S REDS AT HAGERSTOWN

Win more than all the other S. C. Reds in the show combined, defeating the first prize winners at Allentown and other Eastern shows. They won 1st, 2nd and 5th cockerel, 1st, 2nd and 4th hen, 3rd and 5th pullet; 2nd and 5th cock and 1st pen; color and shape specials and special for best Red in the show. This following the sensational winning of 5 firsts and all specials at Chicago proves that there are no better S. C. Reds in the world today. Can furnish show birds for any show and also a fine lot of breeding birds.

B. H. SCRANTON - BOX 350 - RISING SUN, INDIANA



First Prize Partridge Rock Cockerel at Hagerstown 1911

## BIRD'S PARTRIDGE ROCKS

HAVE THE GREATEST PRIZE-WINNING RECORD ON THE CONTINENT

They just won five firsts and four seconds in a class of 65 birds at Hagerstown, Oct., 1912; making a total of 16 of the 18 firsts they competed for at the Madison Square shows of 1910 and 1911, and the Hagerstown shows of 1911 and 1912. The greatest prize winners and best breeders for you. Write your wants. Stamp for catalog.

## BRONZE TURKEYS

Win all firsts and three seconds at Hagerstown, 1912; making a total of 17 of the 20 firsts at five great shows in 1910-11-12. If interested in the World's Best Bronze write your wants and we will please you at right prices. Stamp for catalog.



1st Prize Bronze Turkey Ctl Mad. Sq. Garden, Dec., 1911

BIRD BROS. : : BOX C : : MEYERSDALE, PENNSYLVANIA

## PEERLESS STRAIN WHITE LEGHORNS

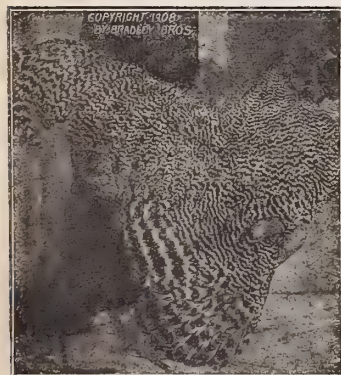
OFF GOES THE HEAD of my youngsters that were not sturdy, lively, rapid growing chicks. That's why Peerless Strain White Leghorns are the greatest layers and show birds in existence. They were leaders fifteen years ago and they now stand out pre-eminently the best of combined utility and Exhibition Leghorns and unmistakably are the greatest money-earning fowl in the world today. Fellow Fanciers, I produce the birds and my customers are winning and getting eggs and making money. That's what counts. If you want cockerels for replenishing or show purposes, write me before you order. I have approximately 100 cockerels selected from a large assortment that were reared on oatmeal, milk and choice grains—for five months they never tasted corn or meat. These birds are silvery white and have bone and muscle to spare. For \$3.50, \$5.00 and \$7.50 each, I will send you birds now that would cost you \$7.00 to \$15.00 in the Spring. In strictly Exhibition birds I can furnish winners for any show and will guarantee them to win, regardless of competition. A customer reports having won 1st at Nashville in the hottest kind of a class with a bird I shipped direct. Today, November 15th, I am shipping a cockerel that approaches perfection for the New York show. Look around and see if any other breeder is actually furnishing his customers with winners for head liner shows. This month I am also shipping a trio of heavy laying stock to Hawera, New Zealand. Remember, I ship everything on approval, and because of my large selection I can usually save my customer considerable money, besides supplying the best blood in the land. Hundreds of strong, healthy pullets, many of them laying, at bargain prices, for quick disposal. Let me have at least a portion of your order, because I can furnish you winter layers and winners that will put you right for your future requirements. Register for my 1913 Mating List and get my 24-page Catalog. Both are free.



Leon C. Huntington, Box 12B, Station A, Omaha, Nebraska

## BRADLEY BROS. WIN FIRST AND BARRED ROCKS SECOND PRIZES

BRADLEY BROS. AT THE LAST MADISON SQUARE GARDEN SHOW  
LEE, MASSACHUSETTS



World's Champion of 1906  
Our \$2,000 Male

Winner of First Prize and Sweepstakes Special at New York's Greatest Barred Plymouth Rock show, nearly 500 line. Sons were winners in several shows, including New York and Boston.

Our Awards Were: 6 Prizes on Males; 3 Prizes on Females; Both 1st and 2d Yards; \$25.00 Cash Special for Best Display. (Won by nearly double the points of the closest competitor); also Silver Cup for Best Pen.

29 of our "Lee Belle" Line of Females have been First Winners at New York Show alone.

59 Winning Males at New York Shows have been bred by us.

Four 1st, four 2d, three 3d Prizes besides other awards have been won by us at a single Madison Square Garden Show.

THREE TIMES have Males of our breeding won FOUR OF THE FIVE PRIZES offered in the class, including Firsts.

FOR SALE—Show Birds and Breeders—As Fine a Lot of Chicks As We Ever Offered. Large Vigorous Specimens Bred from Our BEST PRIZE LINES and Suitable for Any purpose. Prices according to grade. Selections made for buyers' individual needs.

Buy Our Best Grade If You Wish to Breed Successfully.

BRADLEY BROS. : BOX 909 : LEE, MASSACHUSETTS

(ILLUSTRATED CIRCULAR FREE)



# B-U-S-T-E-D!

## PRICES

**Biggest Price Wrecking Sale**  
in the history of this Company.  
An excellent opportunity to  
save 30 to 50 per cent.

Never again will such remarkably low prices exist. Don't delay—Send your order at once or write us. Act now.

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## Smashing Bargains

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### Corrugated Steel Roofing

**1 1/4c Per Square Foot**

Here is the chance of a lifetime to buy the best roofing in the world, at a mere fraction of its real value. Our enormous buying power enabled us to pick up for spot cash a stock of this brand new, perfect corrugated, "V" crimped and Standing Seam Roofing and Brick Siding, at a tremendous sacrifice—way under what it is actually worth. Immediate cash needed made possible this purchase. Just another chapter added to the long list of our famous bargain sales.

### Corrugated Steel Roofing

**Practically Indestructible**



There is nothing else that compares with corrugated steel roofing for real protection. It makes a long, lasting roof. Is fire, rain, frost, wind, sun and lightning proof—warmer in winter—cooler in summer; and under ordinary circumstances does not leak, rot or warp, neither does it taint rain water. You can depend upon it that Corrugated Steel is the best material for roofing, siding and ceiling.

At 1 1/4c per square foot, we furnish our grade AB-700 Steel Roofing, in sheets 22 x 24 inches, 1/4 inches. This price is delivered on board cars at Chicago.

### Galvanized Steel Roofing

**2 3/4c Per Square Foot**

Another big Steel Roofing Bargain. Several thousand squares of the very highest grade specially coated, corrugated, galvanized roofing and siding, made of specially prepared steel, of superior quality. Best roofing, and will last indefinitely. We will furnish it in suitable lengths for any purpose. Only a limited quantity on hand, so we urge you to send us your order immediately. Don't wait to write us again—order today, while this stock exists. Price only 2 3/4c per square foot, and will outlast 4 to 1. Just drop us a line, and tell us the size of your studding and general facts, and we will help you to select proper sheets. If you are not ready to use the material now, we will reserve it for future delivery. If you will give us a small deposit on account. This price of 2 3/4c per square foot is for our Lot AB-800 corrugated material, and is delivered on board cars at Chicago. If you prefer some other style, we will furnish it. We have this same grade in "V" crimped, Standing Seam and Brick Siding. Samples on application.

### Ready Roofing With Supplies

**62c Per 108 Square Feet**



We have several thousand squares of a superior quality Ready Roofing, which we are offering in our AJAX BRAND, 1-ply, at a price of 62c per square of 108 square feet, including necessary cement and caps to lay it. This is undoubtedly the most remarkable bargain ever offered in Ready Roofing. This famous brand is put up 3 or 4 pieces to a roll. The price of 62c per square of 108 square feet is loaded on board cars at Chicago. We will, however, make a freight prepaid price on this same grade of roofing, including nails and necessary cement of 75c per roll of 108 square feet, and at this remarkably low price

### We Pay the Freight

in full to any point east of Kansas and Nebraska and North of the Ohio River.

We will also furnish 2-ply, at 90c; 3-ply, at \$1.05. This Ajax Roofing is guaranteed to wear as long, and give as good service as any Rubber Surface roofing on the market.

### Send for Special Roofing Catalog and Samples

Write at once for our Special Roofing Catalog. Free samples and full instructions for laying roofing.

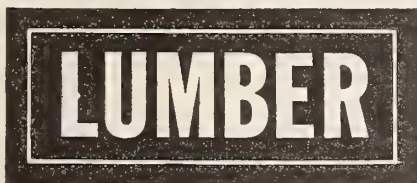
## Explanation

The Chicago House Wrecking Company known to the commercial world as the "Great Price Wreckers" is easily acknowledged the bargain house of the earth.

Our Mammouth plant covers 40 acres, and our list of customers are numbered by the hundreds of thousands, and include people from every walk in life. We sell practically everything under the sun at unbeatable prices. We buy our goods at Forced Sales, taking advantage of Sheriffs, Manufacturers' and Auction Sales. In this way we can sell brand new, clean high-grade goods at prices, in many instances even less than the cost of manufacture.

## Our Guarantee

Our capital stock is \$2,000,000. Any bank or Commercial Agency, or any publisher will confirm our responsibility. We have advertised in this paper for many years. Ask its publisher what he thinks of the Chicago House Wrecking Co., get his personal opinion of the values, and our square methods of doing business. We guarantee each and every article that we sell to be exactly as per our representations. Should you buy anything from us that fails to come up to our representations, or does not agree with your expectations; we will take back such unsatisfactory merchandise at our freight expense. We want satisfied patrons.



Complete houses and barns at an enormous saving. Never before in the history of Building Material has such an opportunity existed. We offer high grade, brand new complete lumber and building material needed for the construction of houses and barns at lower prices than ever before.

**20,000,000 Ft. of New Lumber at Our Yards and Warehouses Ready for Quick Delivery**

We have upwards of twenty million feet of first class, brand new lumber for the construction of buildings of every kind. A wonderful stock of the very finest millwork, interior trim, etc.—enough material to construct cities and villages even where. It is our determination that 1913 will be the "Banner year in the history of our Great Lumber and Millwork department, and the way we will accomplish this, is by quoting prices that undersell any possible competition. The proof of this is in our catalog and literature.

Write today and tell us what you contemplate improving or building during this Spring—talk to us plainly, and we promise you the service straight from the shoulder. No other concern in the world is equipped such as we are. Right in our main yard and warehouses, at Chicago, we can load you out complete, at one time, and in one carload, every single article required for the improvement of the building you have in mind. No where else can you go and get such service.

### Personal Service To You

You can get the kind of service that will give you absolute satisfaction—satisfaction from the word "go." If you have ideas of your own as to the kind of building you want, we will give you the benefit of the Greatest Architectural Department in the world. Will furnish you with plans according to your own ideas and will quote you a price on the material that will make you a wonderful saving. Dollars saved are dollars earned.

Write today for our Book of Plans and Latest Catalog of Building Material and Supplies.

### Brand New WIRE FENCING

**Less Than 1c Per Running Foot**

Biggest of all offers of the past. We come to you with the most wonderful proposition ever known, and offer you the very best woven wire fencing at a fraction of its real value: lower in price than ever before, not withstanding that all other merchants and manufacturers have advanced their prices on fencing. We are determined to simply get all the business in sight, and with that in view, we bought up from manufacturer's sales, 150 carloads of High Grade Woven Wire Hog, Cattle, Field and Poultry Fencing, Barb Wire and Nails, in quantities sufficient to take care of our regular customers and those who will quickly respond to this advertisement.



### Barb Wire Less Than 2c Per Rod

Galvanized, two-point Barb-Wire, full weight (not the light kind) put up regular on spools, containing about 100 lbs. to a spool. It is made of No. 12 wire, with good weight bars. Price per 100 lbs. during this sale, only \$1.95. Order by Lot No. AB-600. Several thousand spools of this Barb Wire. Painted, price per 100 lbs. \$1.75. Order by Lot AB-500. Also have in stock 1000 spools of light weight, new galvanized barb wire, put up 80 rods to the spool, made of No. 14 galvanized wire, No. 15 bars, bars 5 inches apart; price per spool of 80 rods \$1.45. Lot AB-400. We also have several other bargains. You never had a chance like this before, and we advise that you send us your order today. Don't wait until the material is sold—we cannot hold this quotation open.

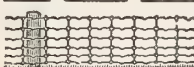
### Galvanized Hog Fencing

**AT A MATERIAL REDUCTION IN PRICE**

100,000 rods of 26 in. Galvanized Steel Spring Wire, 26 in. high, hog fence, put up in 10, 20, 40 and 60 rod rolls, made with 7 bars, spaced 12 in. apart, with No. 9 top and bottom wires. No. 11 intermediate wires, heavier than the regular fencing offered. Price per rod, during this sale, only 15c. Order by Lot AB-900. Same fencing spaced 6 in. apart, per rod during this sale, only 21c. Order by Lot AB-1000. Other heights at proportionately low prices.

### High Grade Poultry Fencing

**48 in. High PER ROD 27c**



A complete stock of all heights of Woven Wire Fencing for every purpose. Do not delay your order, but send it in at once, even if you are not ready to have it shipped. We will hold the material ready to deliver when you want it.

### Several Carloads of Galvanized Wire Shorts

This is smooth wire, put up 100 lbs. to a coil, first-class for general use. Comes in sizes from 6 to 16 gauge. Price for 9 gauge, \$1.25 per 100 lbs. Lot AB-1200. Other sizes in proportion.

### Some Big Bargains in Nails

At last we have the bargain of bargains. 10,000 kegs of genuine galvanized wire nails; will outlast all other kinds. Put up in regular kegs. Price per keg of 100 lbs., as follows:—

10 pennyweight, \$2.00 8 pennyweight, \$2.10  
6 pennyweight, \$2.15 Shingle Nails \$3.00

Also 5,000 kegs of Nails, mixed all kinds in a keg; good assortment, handy to have around your workshop. During this sale only, per 100 lbs., \$1.45. Order by Lot AB-1100. We have other bargains in nails.

Also, in this same job, we have 5,000 kegs of Fence Staples, galvanized; per keg, \$2.00. Lot AB-1400. Crimped wire for reinforcing, cut to any desired length; per 100 lbs., \$2.25. Lot AB-1300.

We have bargains in every line. Write us today for our Wire and Fence Catalog, but the best thing for you to do is to send your order now, and we will hold for shipping instructions.

### SEND IN THIS COUPON

CHICAGO HOUSE WRECKING CO.,  
35th and Iron Streets, Dept. AH 8 Chicago

Without any obligation or promise to buy, please send me the following catalogs and full information free:

(Put a check mark opposite the books you want)

☐ Special Catalog and samples of Roofing

☐ Catalog of Lumber and Building Materials.

☐ Book of House and Barn Plans.

☐ Catalog of fencing and wire.

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County \_\_\_\_\_ State \_\_\_\_\_

R. R. \_\_\_\_\_ P. O. Box \_\_\_\_\_

**CHICAGO HOUSE WRECKING CO. Dept. AH 8 Chicago**





"Ringlet," 1st Prize and Champion Cockerel, 1st Prize Cock and 1st Prize Pen Cockerel at Madison Square Garden, New York, Winter 1910-1911.

### The Three Greatest Living Barred Rock Males

For more than 20 years at New York my "Ringlet" victories have been complete. The "Ringlet" record of First on Exhibition pen three years in succession is the undisputed Champion. My clean sweep of 1st, 2d, 3d, 4th and 5th prizes on pullets has never been approached in Madison Square Garden and stands alone and unequalled.

1,000 grand breeding cockerels for sale; elegant hens and pullets in any number. Show birds fit to win in any competition. Richly illustrated 60-page catalogue upon request: It is full of original pictures of New York winners from life.

EGGS from the World's Finest Exhibition Matings, \$10 per setting, four settings, \$35; one hundred eggs, \$60.

See My  
Other Ad

: : E. B. Thompson Lock Box 510, Amenia, New York

# ROYAL BLUE BARRED ROCKS

## CHAMPIONS OF THE EAST AND WEST

For thirty years I have been breeding the winners at New York, Boston, Chicago, St. Louis, Topeka and the leading shows from Maine to Texas.

### At New York, December, 1911

in the strongest exhibit of Barred Rocks in America, six out of eight of the winning cockerels were bred and raised on my farm. My first prize sweepstakes New York cockerel was pronounced the best ever exhibited and was the star of the entire exhibition.

### At Chicago, December, 1912

In the largest class of Barred Rocks ever seen in the West, 404 birds, I made a sweeping victory, winning the grand sweepstakes \$100 silver cup for the best exhibit of Barred Rocks. I refused \$500 for one of my winning cockerels. My first prize pullet mating pen was pronounced by the judge an easy winner. MY WHITE ROCKS AT BOSTON, 1912, won first cockerel, first pen, second cock and champion ship cup for best male.

2,000 choice exhibition and breeding birds for sale at honest prices.

EGGS from the world's best breeding pens, one sitting, \$10; two sittings, \$18; three sittings, \$25; \$50 per 100. Catalogue of the champions free.

A. C. Hawkins, Lock Box 25, Lancaster, Mass.



FIRST PRIZE SWEEPSTAKES BARRED ROCK CKL. MADISON SQ GARDEN - New York, Dec. 1911. Shown & named by A. C. HAWKINS - Lancaster, Mass.

## THE BIG QUESTION

Why do I, after nearly 20 years of breeding and experimenting with many varieties recognized in the American Standard, now recommend and breed exclusively the

## CAMPINE FOWL

and call them "living egg machines?" Because I do honestly consider that they have in them six characteristics to a greater extent than any other breed of fowls in the world today. 1: Prolificacy; 2: Size of eggs; 3: Number of eggs laid; 4: Hardiness; 5: Small amount of food consumed; 6: Last but not least, their beauty. Now won't you let me tell you more about this wonderful fowl, which are living money makers for me? Remember, it will only be a pleasure.

NOTICE: Campineology (second and greatly revised edition) will be off the press early in January. It will be a work of art and an encyclopedia on the Campine fowl, showing colored cuts and many illustrations. Ten cents to pay postage will be appreciated. For Sale: I have a few birds left that I can afford to part with.

J. Fred N. Kennedy : : Box F : : Birch Cliff, Ontario, Canada



YOURS FOR LARGE WHITE EGGS AND LOTS OF THEM (signed) The Campine Hen!

Kennedy's Improved  
Champion Strain of  
Silver and Golden

## Campines

The fowl with a character all their own

# CARVER'S RED FARM

Our customers continue to report big winnings from all parts of the country. At Cleveland, 1912, in the strongest class ever shown in Ohio, we won first cockerel, first pullet, first hen, the silver tea set for best display, the silver tea set for best cockerel, the state cup for best Reds in Ohio, also special for best colored male, special for best colored female, special for best shaped female. If in need of breeders or show birds write us just what you wish and will quote you cut-rate prices that will surprise you. Eggs at our old live and let live prices, from finest matings we ever put together.

A. A. CARVER : : LOCK BOX 2 : : SEVILLE, OHIO





VOL. 44

FEBRUARY, 1913

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NO. 2

# AMERICAN POULTRY JOURNAL





# DOES THIS LOOK GOOD TO YOU?



This is Why There is Such an Increasing Demand for My Anconas

\$3.00 Hen That Lays \$21.27  
in Eggs in One Year



## Shepard's Famous Anconas.

Have won first at the world's greatest shows, including London, England, Cleveland and Madison Square Garden, N. Y. For seven consecutive years my birds have won three times as many 1st and 2d prizes at the Nation's greatest shows as all my competitors together, (including the late shows) so have earned the distinction of being

### THE WORLD'S BEST

They are famous egg machines and the greatest winter layers, with the wonderful egg record of

## 256 Average For a Flock

If you want to win at your show or increase your egg production, write for catalogue. Orders booked now for eggs and baby chicks. A fine lot of stock for sale.

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## H. CECIL SHEPPARD

PRESIDENT INTERNATIONAL ANCONA CLUB

BOX M2 : : : BEREA, OHIO



FOR TABLE OF CONTENTS SEE PAGE 255

# Here's the Limit!

At the late Chicago show and for seven years in succession McDanell's Golden Wyandottes won "best display" and in this time, more 1st, 2d and 3d prizes than all exhibitors combined. Columbian Wyandottes—2d pul., 3d chl., clean sweep on both at big Armory show, Louisville, Ky. Attractive prices. Old Homestead Farms, J. H. McDanell, Route 2, Warsaw, Kentucky

## Golden and Silver Campines and White Faverolles

Egg orders booked now. No stock for sale. Mention A. P. J. when writing.

Aug. D. Arnold : Box 777 : Dillsburg, Pennsylvania

## F. E. Harrison's Royal Red S. C. R. I. Reds



After making the great win at the Chicago show, December, 1912, (note the date) of 1st, 3d and 4th cock; 4th cockerel; 1st, 2d and 3d pullet; 2d and 3d hen; 1st and 2d old pen and 1st young pen, I exhibited at the National Fanciers' Exhibition, Indianapolis, January 11-17, 1913, and made the greatest win ever made on Reds, being 1st, 2d, 3d, 4th and 5th cock; 1st, 2d, 3d, 4th hen; 1st, 2d, 3d, 5th cockerel; 1st, 2d, 3d, 4th, 5th pullet; 1st, 2d, 3d, 4th and 5th old pen; 1st, 2d and 3d young pen; winning a total of 167 points on best display and the \$100 challenge cup. There is no breeder in America that has better quality Reds than Royal Reds. Note—I purchased 1st and 2d Chicago cockerels, and have, without doubt, the most superb matings for this season ever put together. Special sale on cockerels, cocks, hens and pullets. I have a special offer on eggs for hatching that will interest you. Catalogue free. Mention American Poultry Journal.

F. E. HARRISON, BOX 30, MENOMINEE, MICHIGAN



## "Just Like Tecktonius!"

but it can't be helped. "Every little added to what you got makes a little bit more"—and

## Tecktonius S. & R. C. Buff Leghorns

are bound to continue at the "head of the procession," as America's distinctive and superlative "best general-purpose fowl." This because these unequalled birds have earned their title, and continue year after year to successfully defeat all contestants. At the big Chicago Poultry Show of December 12th to 17th, 1912, the "Tecktonius Strain" S. & R. C. Buff Leghorns again effected

## Another Big "Clean-Sweep"

taking down the following: 1st, 2nd, 3rd, 4th and 5th Pullet; 1st, 2nd, 3rd and 4th Hen; 1st, 2nd, 4th and 5th Cockerel; 2nd; 4th and 6th Cock; 1st Pen; on Single Combs. 1st Cock; 1st Cockerel; 1st and 2nd Hen; 1st and 2nd Pullet; 1st Pen; on Rose Combs. Also all Cups and Specials, for shape and color. A signal victory for the "Tecktonius Strain"—following upon 252 egg record, at National Poultry Association contest, six previous consecutive clean-ups at the Chicago Shows, and my big winnings at all the big shows of N. Y., Boston, Providence, Baltimore, Pittsburg, Cincinnati, Columbus, Nashville, Little Rock, Dallas, Houston, Galveston, New Orleans, Des Moines, Minneapolis, Spokane, Regina, Sask., etc. At the close of last year's Chicago Show, I challenged the world to produce the equal of my birds. Today

## I Again Challenge The World

and will be happy to meet "all comers." In the meantime—I'm doing business. If you want to

## Get In Right—In The Poultry Business

let me know your requirements, or your plans for the future, and I'll tell you what "Tecktonius" can do for you. Just now I have ready a number of good breeding Trios and Pens, mated for best results—prices \$25 and up. It will pay you to know more about these; ASK ME. Mating list ready for mailing Feb. 15th: file your request now, and get a first copy off the press. There's money for you in the poultry business—if you adopt "Tecktonius" Buffs. Better get your share your way. I'M READY.

F. A. Tecktonius, :: Route 7, :: Racine, Wis.

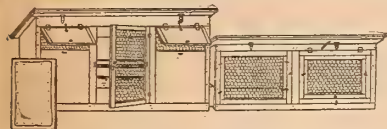


**Know Your Hens on Sight**

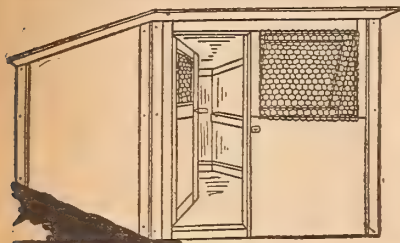
Successful breeding depends upon knowing your fowls at sight. The

**SPIR-OL**  
TRADE MARK  
**LEG BANDS**

Are made in six colors and give you 120 combinations. They are indestructible and can be slipped on and off like a key ring. Cannot drop off. Sample free if you send your dealer's address. Retail prices—25c a dozen, 50c for 25, 85c for 50, \$1.50 for 100. Pigeon and baby chick bands, 20c a dozen, 25 for 35c, 50 for 60c, 100 for \$1.  
**P. S. RIGGS : WHITE PLAINS, NEW YORK**



**COOP FOR 12 HENS, \$10.00**



**6 ft. x 8 ft. Portable House, \$15.00**

Colony Houses, Oat Sprouters, Shipping Coops, Grain Chests, Yard Gates, Nests, etc., Write for free circular showing twenty different cuts.

**E. C. YOUNG BOX CO., Randolph, Mass.**

\*\*\* **PENSYL'S WHITE** \*\*\*  
**ORPINGTONS**

win at Scranton, Bloomsburg, Allentown and Madison Square Garden, N. Y., also win Challenge Cups and specials for best birds in show. Write me before you buy eggs or stock.

**C. L. Pensyl, Bloomsburg, Pa.**

**FOR NIGHT TRAVEL**

Between CHICAGO, ST. LOUIS and KANSAS CITY choose "The Only Way"

**Chicago & Alton R. R.**

Electric block signals, electric search head-lights, electric lighted trains, over a completely rock-balasted roadway underlaid with boulders and underdrained with tile.

**A Railroad with Character**

**GEO. J. CHARLTON, Passenger Traffic Manager**

**A GOOD TRAP NEST**

Made in a few minutes from a common box, very simple and reliable. Send 10c for complete printed and illustrated instructions for making your own trap nest. Warm water fountains, automatic feed hoppers, poultry houses, etc. Price list of our wonderful strain of Winter egg producing Barred Rocks free.

**Stirdivant Farms, Sheboygan Falls, Wisconsin**

**BONE CUTTER FREE**

Every poultry-raiser needs a "Dandy" Green Bone Cutter. Cut green bone keeps fowls healthy, vigorous and productive. It is a wonderful food for increasing the egg supply and for pushing the growing chicks. The "Dandy" prepares the bone fresh every day—just right for feeding to best advantage. It feeds the bone to cutters automatically and is the easiest running, fastest cutter made. Write for catalogue.  
**STRATTON MFG. COMPANY, Box 17, Erie, Penna.**

**ON TRIAL  
FOR  
15 DAYS**

**America's Best Wyandottes**

**SILVER, GOLDEN AND WHITE**

Winners of over 300 premiums at Madison Square Garden alone. They won thousand of other premiums at all the big shows. We have 2,000 head of the finest birds we ever offered. Show birds fit for any company, 100 grand cock birds. They have the size, shape, color and open lacing. If you wish quality we can supply you. We have line bred these birds for thirty years. Also 100 narrow laced Golden Sebrights, all imported blood.

**Ira C. Keller : Brookside Farms : Box 75, Prospect, O.**

**Stock, Eggs, BABY CHICKS For Sale**

**CHAMPION WINNERS  
CHAMPION LAYERS  
CHAMPION PAYERS**

**Four Firsts and Four Seconds on Buff Orpington  
Fowls and Ducks at the Great Chicago  
Show, Dec. 12-18, '12**

**DO YOU BREED**  
**"Sunswick Strain"**

**S. C. BUFF ORPINGTONS and  
BUFF ORPINGTON DUCKS  
Or Just Orpingtons?**

**The Great Buff Orpington Specialty Breeders of  
America**

**Sunswick Poultry Farm  
SOUTH PLAINFIELD, N. J.**

**Send for Catalogue Rufus Delafield, Owner Inspection Invited**



**HOUDANS**

"WORTH WHILE" The greatest utility chicken on earth. Absolute non-sitters and lay big white eggs. I guarantee winners for any show. Stock, eggs and baby chicks. Write for mating list which is free. Mention A. P. J.  
Dr. G. G. Billman : 309 Second Street : Evansville, Indiana

**GOLDEN AND BUFF WYANDOTTES**

I won first cock and champion male at Chicago, December, 1912, and have a few more single birds, trios and pens for sale from this same stock. It will pay you better than buying eggs. Send two cents for my mating list, ready February 20th. Mention American Poultry Journal when writing.

J. S. PENNINGTON - BOX A - PLAINFIELD, ILLINOIS

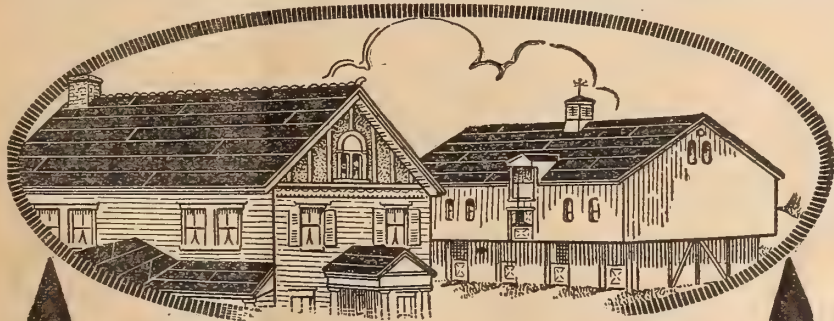


— — — — — BUFF AND WHITE — — — — —  
**ORPINGTONS**

At the great Grand Rapids, Mich., Show, I won on Whites, 2d, 3d and 4th cocks; 1st cockerel; 1st pullet; 4th hen; 1st pen; special best exhibit in English class. On Buffs, 1st cock; 1st cockerel; 1st and 2d hen; 2d pen; special best display. At Kalamazoo, Mich., Dec. 1912, on Whites, 1st and 2d cocks; 2d and 3d cockerels; 1st and 2d pullets; 1st pen; sweepstakes for best cock, cockerel, hen, pullet and pen; sweepstakes best pen in show. All of the above prize winners are now in my breeding pens and will reproduce themselves.

Eggs for Hatching—Also some choice birds for sale. Catalogue and price list free.

C. A. Keefer, (Edgemere Farm), AR 5, Muskegon, Michigan



**Genasco**  
THE TRINIDAD-LAKE-ASPHALT  
**Ready Roofing**

Get roofing you don't have to repair and renew every little while. You want the roofing made with a genuine waterproofer.

Genasco is made of Trinidad Lake asphalt—Nature's everlasting waterproofer.

It doesn't split, crack, rot, rust, or crumble. Gives lasting protection against all weathers.

Ask your dealer for Genasco. Mineral or smooth surface. Look for the hemisphere trademark. Every roll of smooth surface Genasco is supplied with patented Kant-leak Kleets, that make seams watertight without cement and large-headed nails—prevent nail-leaks. Write us for samples of Genasco and the Good Roof Guide Book, free.

The Barber Asphalt Paving Company

Philadelphia

Largest producers of asphalt, and largest manufacturers of ready roofing in the world.

Chicago New York San Francisco



**GRANNIS**  
**Bros.**  
**Baby Chicks**  
**EGGS**  
**Breeding Stock**



Buff and White Orpingtons  
White Wyandottes  
S. C. and R. C. Rhode Island Reds  
White Leghorns  
Buff Leghorns  
Indian Runner Ducks

At eight of the largest shows in the U. S. we won

**260 Prizes**

For the breeding season of 1913 we have mated up 35 pens of grand quality, and in addition colony and individual pens aggregating nearly 1000 splendid breeders. Over 2500 birds were available for selection, a number amply sufficient to insure the very highest average of quality.

At LaGrangeville, N. Y. we have our 160-acre Farm which is admirably adapted for a great poultry producing plant. At Bryn Mawr Park, Yonkers, N. Y., is our Metropolitan Branch Plant where we shall have several of our choicest breeding pens of each variety; and shall also have on hand and for sale stock of the finest quality. Bryn Mawr Park station is only 10 miles from New York City.

All our stock has been raised on free range, which in our case means fields, woods and orchards.

**Special Prices on Fine Breeding Stock**

Cocks, \$5.00 and up; Hens, \$3.50 and up; Cockerels, \$5.00 and up; Pullets, \$3.50 and up.

Prices on exhibition stock quoted on request.

The chick crop of 1912 was much below the average, consequently the demand for baby chicks, eggs and stock is sure to be unusually large the coming season. We therefore recommend early placing of orders. By ordering now and making a small deposit customers may insure for themselves shipment on date selected by them.

All our baby chicks are hatched in Hall Mammoth Hot Water Incubators and are equal in every respect to hen hatched chicks.

Mating list, with prices of eggs, baby chicks and stock, now ready. Send for a copy.

**GRANNIS BROS.**

Route 12, Bryn Mawr Park, YONKERS, N. Y.

HERMAN W. GRANNIS, General Manager.



# ALDRICH

## WHITE ORPINGTONS

### Three Record Wins



Five firsts, two seconds, two thirds, two fifths and several specials is our record at the great Madison Square Garden and Baltimore shows, both of which shows were held during the same week ending January 4th. This is a remarkable win when you stop and consider that our birds were in competition with 320 White Orpingtons shown by fifty-seven of the best breeders in America from twenty-one different states, as well as the pick of birds from Canada and England as at New York one complete string was shown by the largest English exporter, and another string was reported to have cost \$10,000 being the pick of England's best, and these were judged by an English judge. We won first pen and first hen at both shows and first cock at Baltimore, in addition to third and fifth cocks, third pullet and fifth pen at

New York, and second cockerel and second pullet and four specials at Baltimore. At Chicago, December, 1912, twenty-four of our birds won twelve regular and nineteen special prizes, including the gold special for best display, having 68 points against 66 among all the rest of our forty-four competitors combined; the president's \$100 cup for the best fifteen birds; grand champion male in class of eighty-five, and White Orpington medal for best pen. And these birds were in competition with 323 birds shown by forty-five exhibitors from sixteen states and Canada. We won first, third and fourth pens; first and fifth cocks; second, third and fourth cockerels, second and fifth pullets and third and fourth hens.

Our complete season's record of fifty-nine prizes out of 150 offered at America's six largest shows at Allentown, Atlanta, Augusta, Chicago, Baltimore and New York, where we won sixteen firsts, ten seconds, sixteen thirds, seven fourths, ten fifths, and over thirty specials in competition with 983 birds shown by 153 exhibitors from thirty states, Canada and England, is all the more remarkable in the fact that out of 152 birds entered by us 110 won prizes and thirteen out of fourteen pens shown were awarded prizes. Thus have we proven our claim that we have

### The Quality White Orpingtons of America

Nearly every bird shown by our customers have won in shows all over the country, in such shows as Atlanta, Hagerstown, Nashville, Little Rock, Columbus, Ga., Louisville, Bismark, N. D., Boston, Battle Creek, Shreveport, La., and in many other shows in many cases defeating birds imported at big prices. This stock was all raised from our winners last year at America's six largest shows where we won fifty-one out of 150 regular prizes offered—a record only excelled by our present season's win.

The ever increasing demand for White Orpingtons on account of their great popularity together with our increased facilities and flock of over 2,000 picked birds have enabled us to reduce the prices on high class birds and eggs to a point never before thought possible by a reliable breeder, thus making it possible for any one to purchase a setting of eggs or breeding pen. If you wish to breed the most popular bird in America today to win at your shows or lay the most Winter eggs, send for our new 64-page catalog with color plates and let us start you right. Eggs, \$5, \$10 and \$15 from the thirty best pens of White Orpingtons ever mated and would advise early booking to save disappointment.

**Aldrich Poultry Farm, R. 7, Columbus, Ohio**



# WHITE PLYMOUTH ROCKS



Superior egg-producing qualities has gained for them the great popularity they now enjoy and which no other variety of poultry has ever obtained. If you are contemplating rearing a few fowls buy the variety you know has proven their excellent qualities. If already a breeder of White Plymouth Rocks, why not head your pen or flock with one or more of

## U. R. FISHEL'S

selected breeders. Remember we have for sale several thousand selected breeders and utility fowls, among this number being several hundred strong, vigorous, farm-reared, husky cockerels that will stamp that Fishel Quality on your flock. Our continuous winnings at 22 largest shows and 5 international expositions prove to you we can give you blood lines no other White Plymouth Rock breeder can give you.

## "THE BEST IN THE WORLD"

has been the claim made for our White Plymouth Rocks ever since we began breeding them over twenty years ago, and as Prize Winners and Egg Producers they are conceded to be "The Best In The World." Our matings this season are by far the best we have ever owned. Our prices for eggs remain the same. Send 25 cents for 64-page book telling all about our 120-acre poultry farm. Tells how and what to feed, how to build, how to care for chickens, etc.

Eggs	-	-	-	\$10 per 15
Baby Chicks	-	-	-	\$1.50 each

Sale Stock Eggs	-	-	\$10 per 100
Baby Chicks	-	-	\$25 per 100

**U. R. FISHEL :: BOX A :: HOPE, INDIANA**



## MINORCAS

From Chicago, Buffalo, Memphis and Indianapolis winners, correct size, shape and color. Eggs that will hatch. Mating list February 15th.

John L. Brown, 2337 Brown St., Anderson, Ind

## White Rocks

Winners in the three shows I attended this season—Eagertown all five firsts and all specials. Charlottesville, Va., all firsts and specials. Baltimore, 1st cock; 1st, 3d, 5th pullet; 3d cockerel; 5th hen; 2nd pen. Special for best female. "Actions speak louder than words." Write for mating list.

A. R. EARLY :- ROSLYN, MD.

SAY DO YOU WANT TO LEARN U. R. Fishel's experience with White Runners? Want to read what Valentine, Lingo and others say as to the origin of this wonderful fowl? Want to know the opinion of Patton and Valentine on standard for White Runners? All this and more is in the first annual catalogue of the Nat'l White Runner Duck Club. The 1st and most complete book on White Runners. Articles by Fishel, Valentine, Eschbach, Lingo, Patton, Hermitage Farm, Prof. Beeson and others. Price 50c. Free to members. Membership fee \$1. per year. Address O. O. Ray, Sec'y-Treas., Kirkwood, Ga.

## Agler's S. C. Reds

Again they win, Toledo 1913. One of the hottest Red classes ever shown. My 1st pen was a marvel for shape and color. Mating list ready.

C. M. Agler : Box 7 : Millbury, Ohio

## ORR'S CHICKEN FEED

aids in preventing White Diarrhoea. It is sound. Cannot get musty. Send for circular.

D. Lincoln Orr, Orr's Mills, N. Y.

## R. C. Reds

Boston and New York Winners

At Boston 1913 won, 1st cockerel; 4th cock and 4th pen, with specials. Last year, also won both shape and color specials and special for best R. C. Red female.

Fourth Cock at Palace New York Show last month. In type and color as well as in head points, my line is unequalled and have been line bred for years. Write me your wants. I will please you with price and quality.

GEO. W. LITTLE  
29 Mt. Vernon St. :- Braintree, Mass.



## The Ideal FEEDER and EXERCISER

Will feed any kind of Poultry feed. Adjustable to feed any amount desired. Keeps Poultry busy. Will PAY FOR ITSELF in six months. Increase your egg yield 25 to 40 per cent. Size No. 1 (12 quarts), \$2.50; No. 2 (20 quarts), \$3.00. Have Sparrow and Rain Guards complete. Our 15 quart Dry Mash Feeder, \$1.25. Fowls cannot waste the feed.

Agents Wanted

The Miller Anchor Co.

Box 293 : : Norwalk, Ohio

MR. JNO. J. CAMPBELL,  
General Sales Agent for the New Eng. States  
Hartford, Conn.

## CHERRY REDS WIN

At Northeastern Ohio Poultry Show, Ashtabula, Ohio, December, 1912, we won 1st pen, 2d and 3d cockerel and 2d display on five entries. Reds were largest class in show of 700 birds. Cockerels for sale, large, long backed Cherry Red fellows. Drop a card to :- Ernst F. Birkholz, Box B, Willoughby, Ohio

## 43 VARIETIES

Poultry, squab breeders, fancy pigeons, ducks, geese, peafowl, pheasants, wild game, dogs. Incubators, feed and supplies. Handsome catalog, 4c.

Missouri Squab Co., Dept. R, Kirkwood, Mo.

## WHITE ORPINGTONS - WHITE ROCKS

INTERNATIONAL CHAMPIONS

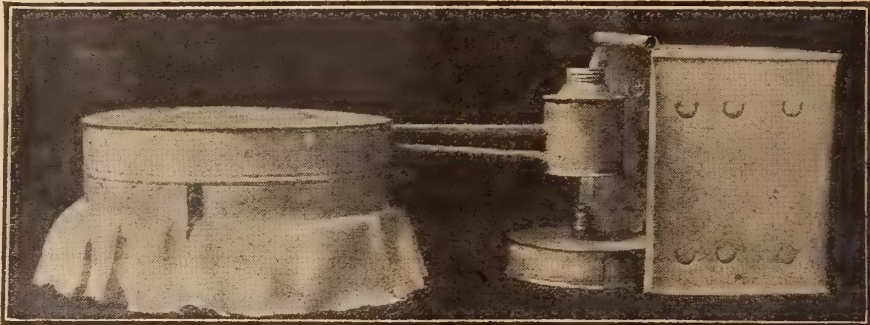
Birds from my yards have won at Dairy and Palace Shows in England, also in New Zealand and at every big show in Canada, New York State Fair 1911 and 1912, ten firsts; Michigan Roundup show, five firsts; Madison Square 1911, 1st, 2d, 3d, 5th and 6th. Birds sold on approval. Duty paid to the United States. Please mention American Poultry Journal when writing.

HIGHWORTH POULTRY YARDS : Fred A. Andrewes, Prop. : LONDON, CANADA

## CANADA'S BEST S. C. & R. C. BLACK MINORCAS

Are the best in the world. The Provincial Show at Guelph is Canada's greatest show. At Guelph Show, December, 1912, in the largest and best class of S. C. Black Minorcas ever shown in America my strain won (principally birds I sold and stock from eggs from my yards) the following prizes: Single Comb—Cock 1-2-3, hen 3-4-7, cockerel 1-2-3-6-7-9-10, pullet 1-2-4-5. There were 18 S. C. cocks, 38 hens, 44 cockerels and 44 pullets on exhibition and in all the years I have been breeding Black Minorcas I never saw as many high class birds in one show. I consider that win of our stock a far greater honor than if I had done the winning. High class exhibition birds at reasonable prices. Good cockerels at \$5.00 and good pullets at \$3.00. Please send for sale cut and testimonials, also complete list of prizes won. Please mention American Poultry Journal when writing.

T. A. FAULDS : LONDON, ONTARIO, CANADA  
PRESIDENT OF CANADIAN BLACK MINORCA CLUB



## \$2.50 For Our All Metal 50-Chick Hover

A perfect hot water system that circulates a warm flannel to lay on the chicks' backs. A hover that can be applied to any colony coop or box in ten minutes; they can't crowd or pile up under this hover. Made of galvanized iron No. 26 gauge, and will last for years. Get our Incubator Book before you buy.

Wendell Incubator Company - 51 Main Street - Holly, Michigan

## America's Best Cochin Bantams

### Win Again at the Great Chicago Show

They won more firsts than all their competitors combined and more they won more points than their competitors. Winning as follows: Black Cochin Bantams—3d ck.; 1st, 2d hen; 1st ckl.; 2d, 3d pul.; 1st pen. Partridge Cochin Bantams 1st, 2d, 4th ck.; 1st, 2d, 4th, 5th hen; 1st ckl.; 1st, 3d pul. Buff Cochin Bantams—3d, 4th pul. Just think of this record in America's greatest show, every entry winning a place. We also won the following cash specials: Best 2 Buff Cochin Bantam cks, best 2 Buff Cochin Bantam hens, 2d best 2 Buff Cochin Bantam cockerels, 2d best 2 Buff Cochin Bantam pullets, best two Partridge Cochin Bantam cocks, best two Partridge Cochin Bantam hens, best two White Cochin Bantam pullets, 2d best two White Cochin Bantam hens. If you are interested, write us. Our beautiful illustrated 1913 mating list will be ready Feb'y 15th.



Wahebe Bantam Yards, W. Besuden, Prop., Box 359B, Cincinnati, O.



# CANDEE

## 1913 Model a Hatching Marvel

**Results Already Received from Coast to Coast Stamp the Candee as the World's Best Incubator.**

Amidst all the discussions about Incubators, one fact stands out clear and distinct: *The Candee is setting a new world's record.*

*Read these facts: (Customers' names upon request).*

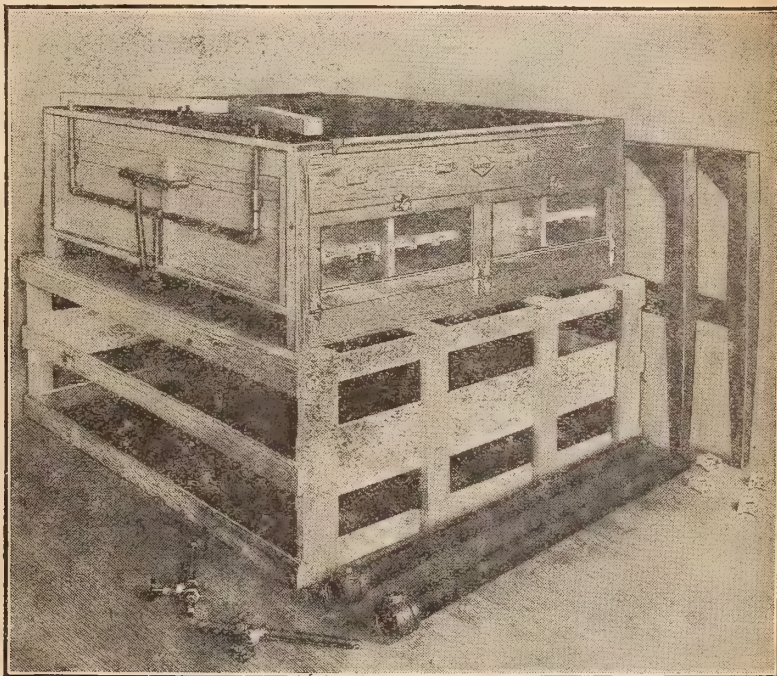
In July 1912 with a cellar temperature of 95°, a Candee operator in Georgia hatched 3,000 chicks and raised 90 per cent of them.

In October, during the moulting season, he hatched 8,500 chicks out of 11,000 eggs.

In September 1912, a Candee operator in New Jersey took off an 80 per cent hatch. In November 1912, another New Jersey operator took off an 85 per cent hatch and exhibited the chicks at the Philadelphia show.

In California in October 1912, a Candee operator on his first hatch, had better than 65 per cent.

Many more 1913 Candees are already running and they are doing equally good work.



A 600-Egg Section Just Unpacked  
With our true Sectional Construction you can quickly set it up.

## Candee Principles Are Right

Ask any man among the thousands who have seen the 1913 models and he will tell you that it is *built right*.

Ask any man who has one installed and he will tell you that it *works right*.

The *automatic compartment control on each 300-egg chamber* solves the problem of hatching on a large scale.

It holds a steady even heat.

It *does away with raising or lowering of egg trays by hand after the operator sees that the eggs are over or under heated*.

It works 24 hours a day, and night watching is unnecessary.

## Approved by the Underwriters

*This means cheap insurance, that you can put the incubator in your house cellar if you wish. It saves you money. It gives you a feeling of security,*

## The Candee Comes to You All Built

We ship promptly and you can quickly set up your machine for this spring's hatching.

The Candee comes to you in separate sections, ready to uncrate and set up on its legs. To you who have thought installing a big machine is a hopeless task, the ease of setting up will be a revelation.

Look at the picture on this page and see how the sections

are sent. Likewise the heater is put together in short order—connections are all assembled at the factory.

We have made it easy for you. Machines are furnished in 1200, 1800, 2400, 3000, etc. up to 20,400-egg capacity.

If you have our catalogue, wire your order at our expense. If you desire our catalogue, write and it will come by return mail.

**Candee Incubator & Brooder Co., Dept. 2, Eastwood, N. Y.**

The Only Incubator Company Who Manufacture Their Own Heaters.



# Jacobus Improved Silver and Golden Campines Did It

**DID WHAT?** Laid White Eggs that won first prize at Boston. 1910, 1911, 1912 and 1913. Competition open to the world, and eggs of all breeds. Consider carefully and start right.

**M. R. Jacobus** :- **Box 3-J** :- **Ridgefield, New Jersey**

**CARL C. BEATTY'S**

## ROSE AND SINGLE COMB REDS

Always heavy winners at the best shows—winning at Cleveland, Indianapolis, Detroit, Mansfield, Lansing, and in all parts of the country in customers' exhibits. **More Specials** than any other strain. Young stock bred like, and bred by these classy winners. Prices reasonable. **Quality the best.** Booking limited number of settings from best matings. Write for prices.

**CARL C. BEATTY** :- **SUCCESSOR TO BICKFORD & BEATTY** :- **VAN WERT, OHIO**

## S. C. BUFF ORPINGTONS

WILLARD'S CHAMPION SHOW WINNERS, 300 birds, now for sale, males \$3—some bargains at \$5 to \$10 each—females \$2 up. EGGS from nineteen pens and three farm flocks. Incubator Eggs, \$8 and \$10 per 100. Special matings headed by prize winners, \$3 to \$15 per setting of 15. Large illustrated catalogue free. Write and mention American Poultry Journal.

**Willard Poultry Farm** - - - - **Linden, Michigan**



## BIG LOUISVILLE WIN

At the National show in competition with the "Originator" of all the Orpingtons we win 1, 2, 4 cock, 2, 4, 5 hen, 2, 3 cockerel, 3, 4 pullet, 1, 2 pen. Also Special for best display of Blacks, and Special for best display all varieties Orpingtons competing. From these birds and our Omaha, Indianapolis and Chicago winners this year we sell

**EGGS, \$10 FOR 15**

\$18 for 30, \$25 for 50. Baby chicks in any quantity. Our new catalogue and mating list should be in your hands if interested in Black Orpingtons. No better birds anywhere and the price is right. Order that catalogue now. **It's Free.**

**Blue Ribbon Poultry Farm, Box A, Columbus, Indiana**

## And Again Fairview White Rocks Win...

At the great Chicago Coliseum Show, in a class conceded by judges, breeders and critics to be the keenest competition ever brought together in White Rocks, either East or West, they won

**1st and 3d Pen, 1st and Championship Hen, 5th Ckl.**

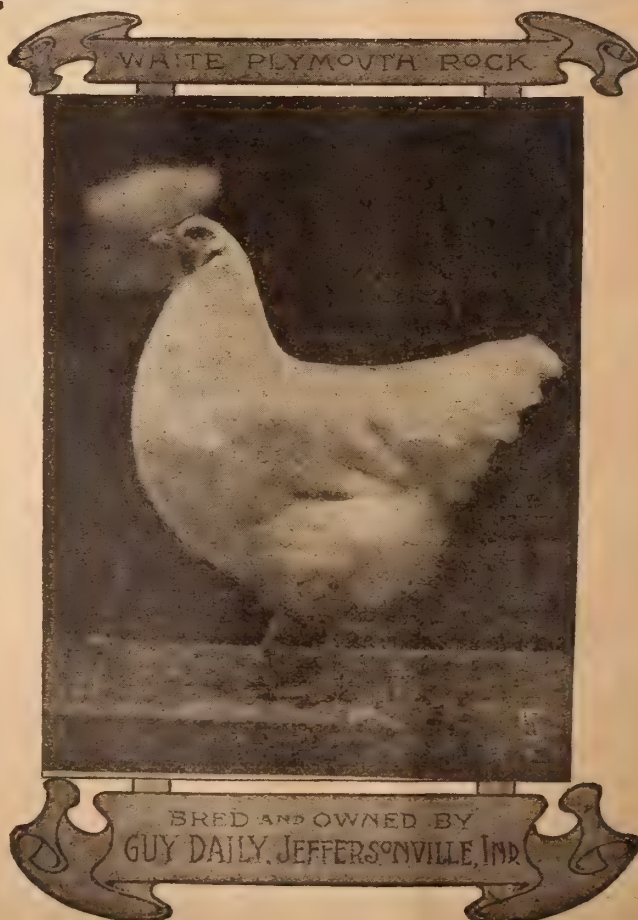
For years the White Rock class at this show has been conceded to be the largest and best ever brought together. This year the competition was keener than ever before; Owen Farms and many other noted breeders being there. In fact the very best in the country was there—

### AND STILL

Fairview White Rocks were awarded grand championship on hen and 1st and 3d pen, the most coveted prizes in the show.

You can't get better stock, no matter what you pay. My prices are reasonable and I will treat you right. All stock sold on an absolute guarantee. Booking egg orders now. Ten cents will bring beautiful catalogue. Write today. Mating list giving description of the best lot of matings in the country free.

**GUY DAILY**  
**BOX A : : JEFFERSONVILLE, INDIANA**



First Hen, Kentucky State Fair, September, 1911



# "A Great Big Change Coming Over the Poultry Business"

"A GREAT BIG OPENING FOR YOU" *Writes Robert Essex*

**I** LIKE to give my good friends the poultry-keepers a hint when something is happening that they can turn to advantage, and as I am not running a poultry paper, I am paying for this space to tell you.

There is now opening up a *wonderfully large, new market for your eggs and stock—a market that did not exist last spring—a market that never existed before in the way that it does now.*

## LET ME BEGIN MY TALE AT THE BEGINNING.

When I engaged in the poultry business in earnest about Quarter of a Century ago, poultry-keepers were just feeling their way along. There were not many poultry papers to instruct them. The poultry business was just worrying along. But poultrymen are progressive, and as soon as business warranted it the live ones began to extend their farms, raise more chicks, and advertise some more. Then the poultry papers began to spend some of that advertising money getting real poultry news for their readers, and—

**THE POULTRY BUSINESS BEGAN TO GROW.** The farm papers took notice. They said: "There must be something to this hen business." Then the poultry page in the farm paper became a regular thing. That interested the farmers, and they began to buy Standard-breds and eggs for hatching; and the far-seeing poultryman again enlarged his yards and raised more chicks, and did more business.

**AND THE GROWTH WAS SLOW BUT SURE.** Then one or two newspapers began to print poultry news; but it didn't fizz much until last summer, when some bright poultrymen got twenty or thirty of the leading newspapers together and told them how they could teach the GREAT BIG PUBLIC poultry-keeping and get some advertising, too. And all of a sudden we find a score or more of Sunday newspapers telling the PUBLIC how to keep poultry.

Think what it means! In all the years the poultry papers have been doing business they have reached only about 500,000 people at one time. Yet here—just since last Spring—these newspapers have begun to teach a new crowd numbering **OVER TWO MILLIONS.** It means that suddenly there are four or five times as many people as before getting poultry news.

**AND NOW TWO MILLION MORE CUSTOMERS** in prospect than you had last year. It begins a New Era in the poultry business. The live poultryman will reap the harvest for years to come.

I have told you of it! It's up to you to prepare. Do it NOW. Don't wait for hens to sit. Read what President Hicks of the American Poultry Association says:

"The incubator has quadrupled the business capacity of every poultryman in the country. In fact, many claim that if it were not for the incubator, the poultry business would be only a plaything, and not a regular business occupation. But with the incubator and brooder, enabling the poultry raiser to turn winter into summer, thus prolonging his hatching and raising season, the poultry business can be counted today as one of the substantial callings of life."

And now that I have used nearly all my space giving you the news, I must talk a little business—

I want you to send for our New 1913 Annual Catalogue. **IT'S FREE.** It contains Five Chapters telling *How to Make the Most From Poultry—How Money is Made from Standard-breds and from Farm Hens—How to Start Right*, etc. It has 30 Photographs of New Poultry Houses in use on Experiment Stations all over the country, with measurements and costs. Anyway, you cannot afford to buy a machine before you see this Catalogue of the "Essex-Models."

**AMERICA'S LARGEST LINE OF INCUBATORS AND BROODERS**—The World's Best Hatchers. We make 19 Styles and Sizes, from \$2.25 up to \$48 each—Incubators and Brooders of Quality. See illustrations and full descriptions in the book and judge for yourself. Perhaps you would like to say a good word for us to your neighbors who keep chickens. Perhaps they too would like our Catalogue. Your recommendation will help us, and will be appreciated. Write for the Book today.

## ESSEX-MODEL



INCUBATORS AND BROODERS



MAKING THE MOST FROM POULTRY  
WRITE TODAY FOR THIS FREE BOOK  
Address Nearest Office  
**Robert Essex Incubator Co.**

3 Henry St. Buffalo, N.Y.  
or  
67 Barclay St. New York City







# ORPINGTONS!



Prepare now to win next year. Eggs, day-old or one-pound chicks of superlative quality. Our customers this year defeated the king of the poultry

world at Seattle, Little Rock, Memphis, Louisville, Chicago, Indianapolis. You will get quality from us at a price you can afford to pay. Get our book on Orpingtons, just off the press; also 16-page book of testimonials that tells astounding success of our customers. Send today. Mention American Poultry Journal when writing.

**CHEVIOT FARMS -- ROUTE 2 -- CINCINNATI, OHIO**



Model Portable Hennerly

## Get Your Poultry Supplies NOW

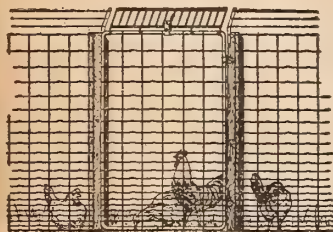
GET SOMETHING GOOD AND GET IT IN TIME



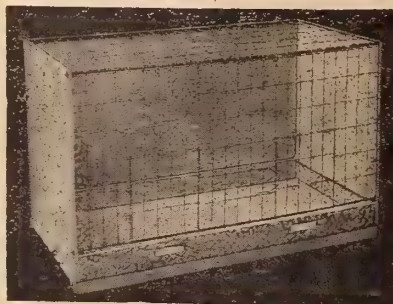
Model Fireless Hover With Yard  
Price \$1.25. Half doz. \$6.90

### You Will Need some of these Fixtures

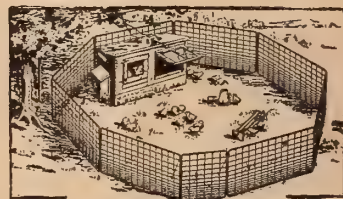
We have them for you, so make inquiry at once



Model Poultry Gate



Model Training and Exhibition Coop



Model Portable Fence  
Strung Around a Brooder

We make Portable Henneries, Brood Coops, Setting Coops, Colony Coops, Fireless Brooders, Trap Nests, Exhibition Coops, Portable Fences, Poultry Gates, Fattening Crates, Wire Runways, etc. Catalogue free. Mention A. P. J. Write now. Address

**Niemann Bros. Mfg. Co. : Box 677 : Mt. Olive, Ill.**



Model Brood Coop



Model Setting Coop



Economy Trap-Nest



**Crown Bone Cutter**

**FEED** your hens out green bone and get more eggs. With a **Crown Bone Cutter** you can cut up all scrap bones easily and quickly, and without any trouble, and have cut bone fresh every day for your poultry. Send at once for free catalogue.

WILSON BROS., Box 801, Easton, Pa.

**Best Made Lowest in Price**

**Smith Sealed.**  
Prices postpaid  
—12, 30c; 25, 50c;  
60, 81.00; 100,  
81.50; 500,  
86.50; 1000, 812.50.

**LEG BANDS**

**Leader Adjustable.** Prices  
postpaid—12.16c;  
25, 25c; 50, 40c;  
100, 65c; 250, 81.50;  
500, 92.75; 1000, 86.25.

**SAMPLES FREE**

Write postal or order  
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**THE REYES-DAVIS  
CO., Inc., Dept. 502**  
Battie Creek, Michigan

**HIGHEST SCORE EVER WON**

**100**

Envelopes, 3½x6½ inches, an extra strong, thick, smooth, slick, white writing face, and 120 Letterheads, 8½x11 inches, heavy, hard, smooth, slick, pure white writing paper, all artistically printed and illustrated with latest new Standard cuts of your breed for only \$1.00. Express charges paid by me. Better printing for the price was never done. No order less than \$1.00 filled. Name your Express office. Cards, tags and egg labels same price as above.

Address, **J. R. HUDSON, Hardin Springs, Ky.** I have seen samples of Mr. Hudson's printing. It is very nice; he is perfectly honest.—EDITOR



**SOMETHING TO CROW ABOUT**

**"HEN-E-TA"**

About 30% Tri-Calcium Phosphate  
Popularly Called **BONE ASH**

**NO OTHER BONE NEEDED**

**NO OTHER GRIT NEEDED**

**NO MORE BONE CUTTERS NEEDED**

**NO MORE BEEF-SCRAPS NEEDED**

**NO MORE CHARCOAL NEEDED**

**NO MORE OYSTERSHELLS NEEDED**

**100 lbs. - - \$2.25**

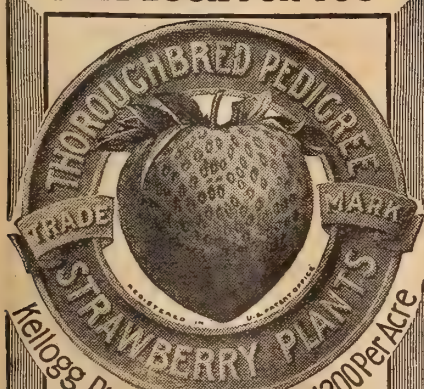
**500 lbs. - - 9.00**

**VALUABLE BOOKLET FREE**

**Balanced Ration Formulas Free**

If you will give us your dealers  
name and address.

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NEWARK, N.J. DEPT. 1 FLEMINGTON, W.VA.

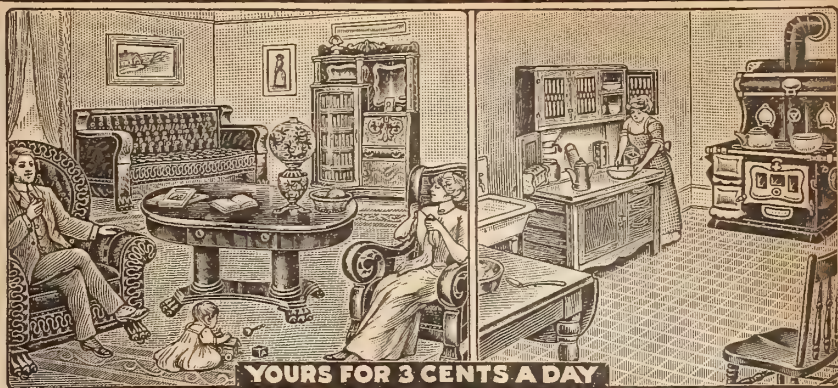
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**Great Crops of Strawberries and How to Grow Them**

IS a beautifully illustrated book of expert strawberry information written by America's most successful strawberry grower. It gives our famous sure-crop method of growing fancy strawberries, and explains how our Pedigree Plants are grown on our great farms in Idaho, Oregon and Michigan. IT IS FREE!

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**THREE RIVERS, MICH.**



**YOURS FOR 3 CENTS A DAY**

**All Home Comforts On Charge Account—Pay 3 Cents a Day**

**Home Lovers, Listen**

A Million People with small incomes buy from us on credit. They furnish their homes in a beautiful way, and they pay us by saving 2 or 3 cents a day.

They get goods on approval. They keep them a month, then send them back if they wish—send them back collect.

And they save from 30 to 50 per cent. That we guarantee to all.

**No Rigid Rules**

You can't suppose those million people accept unpleasant terms.

We sell them on open account. There is no red tape, no publicity—no contract, no mortgage—no interest, no extra price.

We tell them to pay as convenient. They usually send us a little each month. When they can't, we wait. We have no collectors, no rigid rules.

If you only knew how easy our terms are, you would get the things you want. Let our book explain them.

**Try This 9x12-Foot Brussels Rug. \$1.00**  
Order From This Paper. Send Only



Send \$1.00 and try this rug bargain. It must be ordered direct from this paper as there are not enough to catalog. This Brussels rug is a rich Oriental design, ideal for long, hard use. The back is firmly woven of good quality yarn. Rug is well finished throughout. Pay only 75c monthly.

Three Different Colors. Have your choice of red and green combination, or tan predominating, or green predominating. Be sure to state color desired.

No. CC455H945. 9x12 ft. Price.... **\$9.45**

**Dollar Book Free**

Our Spring Bargain Book is a mammoth production. With the mailing it costs us \$1 per copy, yet we send it free. It pictures 4,782 things for the home. Many of the pictures are in actual colors. You never saw such an exhibit. It explains how we take whole factory outputs—how we buy up surplus stocks. How we sell by mail only, and how all these savings give you prices lower than you ever saw. It shows our simple order blank. It tells how goods are sent on trial. It tells our easy terms.

For your own sake, cut out this coupon, send it to us, and the whole complete book will be mailed you free. Do this now—before you forget it.

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Write plainly. Give full address.  
Check which catalogs you want.

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**\$200 FROM ONE-FIFTH ACRE**

That's what one man made on strawberries on HOME GROUNDS in SPARE TIME. Strawberry growing is a pleasant and profitable occupation—EVERY home should have a strawberry bed.

**Allen's 50 Page Illustrated Strawberry Book** will tell YOU how to make money with strawberries and small fruits. Full information on varieties and how to grow them. Every farmer, gardener and home owner should have a copy. FREE on request. Write TODAY.

Allen's true-to-name plants have been the BEST for over 27 years. Guaranteed fresh and vigorous. Buy YOUR plants from Allen, the largest grower in the country. 200 acres in berries small fruits, shrubs, decorative plants, asparagus.

Write for Allen's Book Today

**W. F. ALLEN, 106 Market St., Salisbury, Md.**







## Appco Shipsafes **For 15, 30, 50 and 100** **E G G S**

The three-piece slide kind that has proven safest for fine eggs. Extra heavy stock, finely corrugated, perfectly glued. *Free Gummed Tape for Sealing and Binding.*

### WE QUOTE FOR DOZEN.

15 Egg Size, \$1.20

30 Egg Size, \$1.90

### No Less Than One Dozen Sold.

50 Egg Size, \$2.50

100 Egg Size, \$4.00

**PARCELS POST SHIPSAFES for Squabs,  
Chicks, Butter, Fruit, Vegetables, Everything.**

Special PARCELS POST EGG BOXES, One Dozen and Two Dozen Size, at very low prices in lots of one thousand or more.

Our "Poultry Bulletin" describes and prices Day-Old-Chick Boxes, Fowl Shipping, Coops and the Appco Paper Hen. Write for it.

**AMERICAN PAPER PRODUCTS COMPANY, 205 Bremen Avenue, ST. LOUIS, MO.**

# Now Is The Time

To start in the poultry business; small capital and the right breed will bring big profits and pleasing results. We can supply your wants, not only with the right breed but with a perfected strain of that breed—

## Fishel's World's Best White Wyandottes

Are famous throughout civilization and are the standard for high quality, great beauty and profitable utility. In breeding our birds to the high degree of perfection as exhibition birds we have always kept in mind the utility requirements, "meat and eggs." We can furnish you a flock, pen, trio, pair or single bird at prices most attractive, every bird line bred and pure bred from our famous strain of winners.

### BARGAINS

100 cockerels, all around good breeders, must go at \$5 each.  
200 utility cockerels, worth twice the money we ask, will close them out at \$3 each.  
200 laying hens, lay when eggs worth most, sale price \$3 each.  
50 pullets, true Wyandottes, are extra good bargains, will take \$3 each.  
50 utility hens, bred for meat and eggs, line bred for best results at \$2 each.



LIKE  
BEGETS

LIKE

PULLET



COCKEREL



HEN



COCK



### BARGAINS

50 cockerels, pure white birds, extra good shape; fit to trot out in the best shows; will sell at \$10 each.  
50 pullets, line bred, extra fine, some top-notchers; they are really worth twice the money asked: will let them go at \$5 each.  
50 pullets, fine in shape and color, good breeders; are now selling at \$4 each.  
75 pullets, utility bred birds, great value at the sale price of \$2.50 each.

**A grand opportunity that you  
should not let pass**

## Our New Catalogue

Is just off the press. This book has cost thousands of dollars to publish, and years of experience. It has chapters on Practical Methods, Profitable Results, Poultry Keeping in the City, White Wyandottes as the Most Profitable Fowl, The Specialist, and What It Means to You, Fisheldotte, the Home of the World's Best White Wyandottes, The World's Best—Why Our Birds are Entitled to the Name, Open Air Houses and How to Build Them, Baby Chicks and How to Raise Them, Natural and Artificial Incubation, Practical Poultry Feeding, Eggs in Winter and How to Get Them, Practical Poultry Pointers; in fact, every branch of the poultry business is covered in this great book. We will be pleased to mail you a copy on receipt of 25 cents in stamps or coin. Our illustrated price list free.

**J. C. Fishel & Son, Box J, Hope, Indiana**



# START THE CHICKS RIGHT

**M**AKE sure—this season—to start your chicks the right way. And it is a well-known fact that the first three or four weeks of their lives is the critical time. Then why not profit by the experience of other poultry breeders—men and women who have found out? A Cyphers four-section Paradise Brooder heated by one lamp, holds 400 chicks in eight separate lots—fifty chicks to the flock—and these chicks are under complete control all the time.

## Sample Reports From Customers

### Far Superior to Other Makes

Tucson, Arizona, July 29, 1912.

Cyphers Incubator Co., Buffalo, N. Y.—

My experience with your Paradise Brooder has clearly proved to me that it is far superior to all other makes of brooders I have used or seen—not merely in a single feature, but in many features, including the following:

1—Pure air. 2—Ability of the chicks to move about and enjoy the exact temperature they desire. 3—Prevents crowding. 4—Fresh water feature that precludes contamination. 5—Facility in handling and feeding the chicks, avoiding the tedious work usually met with in raising large numbers.

This report is based on experience and close observation. Several broods were raised by us in our Paradise Brooder without the loss of a chick, something I never had accomplished before. The greatest number of chicks we had in our two-section Paradise Brooder at one time was 225.

FRED C. WRIGHT.

### "The Busy Man's Brooder"

Pittsburg, Pa., May 2, 1912.

Cyphers Incubator Co., Buffalo, N. Y.—

Kindly ship me another section for my Paradise Brooder immediately. My last hatch turned out much better than I had expected. Your Paradise Brooder is well named, so far as the comfort of the chicks is concerned. I would call it the busy man's brooder. It economizes time and labor, more than anything I have seen along that line. It does away with the necessity of expensive brooder houses. When I looked at the brooder tonight it was a pleasant sight—about forty-five chicks in each of the three compartments spread out on the floor. There is no occasion for the chicks crowding each other in seeking a warm spot.

D. McTURK.

### "4,050 Chicks in Four Years"

Alexander, N. Y., August 14, 1912.

Cyphers Incubator Co., Buffalo, N. Y.—

We have successfully used the Paradise Brooder for four years, and during that time raised 4,050 chicks in it. We can't give this brooder enough praise. We have reared an average of at least 95 per cent. of the chicks.

MURPHY & WINKLEMAN.



Base Section (two-compartments) can be bought and used separately. Later one or more Upper Sections can be added.

### "Without a Single Loss"

Honolulu, Hawaii, March 12, 1912.

Cyphers Incubator Co., Buffalo, N. Y.—

January 7, 1912, I hatched in my 144-egg Cyphers Incubator, 102 White Leghorns out of 112 fertile eggs and February 2, I hatched 117 Rhode Island Red chicks out of 122 fertile eggs. Also purchased a base section (two compartments) of your Paradise Brooder and a Cyphers Style A Outdoor Brooder, equipped with your Adaptable Hover. All the above mentioned chicks were raised in these brooders without a single loss and I must say that you have in the Paradise Brooder an excellent machine for brooding chicks. It is indeed a valuable addition to my poultry equipment.

AUGUSTUS DEERING,  
Ass't Chief of Fire Dept.

### "Raised Over 2,000 Chicks in Mine"

Brookside, Va., March 5, 1912.

Cyphers Incubator Co., Buffalo, N. Y.—

Judging from my experience, the Paradise Brooder is the best indoor brooding device on the market today without any exception. Last season I brooded and raised over two thousand chicks in mine, with comparatively no loss at all.

E. J. KIRKPATRICK.

**PLACES TO USE:** THE PARADISE BROODER can be operated with success in a dwelling house, store room, stable, poultry building or other structure where the temperature does not go below freezing. It will give excellent satisfaction in any of these locations. No better or more convenient place can be found than near a window in a room of an ordinary dwelling—a south or east room preferred, where the sun will shine in on bright days. FOR DETAILED ILLUSTRATED DESCRIPTION of the Paradise Indoor Brooder (heated by coal oil stove or by gas) write today for our 1913 Complete Catalogue and Poultryman's Guide, "Profitable Poultry and Egg Production." 244 pages, 7½ x 10 inches, 500 instructive illustrations. FREE on request. Fully describes our more than 100 standard poultry articles for progressive, successful poultry raisers. Address our place of business nearest you.

**Cyphers Incubator Company, Dept. 30, Home Offices, Buffalo, N. Y.**

BRANCHES: NEW YORK CITY,  
23 Barclay St.

BOSTON, MASS.,  
12-14 Canal St.

CHICAGO, ILL.,  
329-331 Plymouth Court

KANSAS CITY, MO.,  
317-319 Southwest Blvd.

OAKLAND, CAL.,  
2127-2131 Broadway

LONDON, ENGLAND,  
121-123 Finsbury Pavement



# Buy Your Incubator of Chas. A. Cyphers



**Let Me Save You 50%** My new incubator, the Buffalo, fulfills the life-long demand of thousands of poultrymen for a **Standard Hatcher** at a reasonable price. It offers all the Quality of the best high-priced incubators, at **half the price** of any other incubator containing the **Cyphers Principle**.

## Sterling Principles Maintained

Every vital principle that made my Original Cyphers a World Success is embodied in the Buffalo. The same three-compartment heater; the diffusive ventilation; and the sensitive and accurate regulator; combined with heavy insulation and durable construction; with refinements not included in the original.

Buffalo Incubators insure you big hatches of strong chicks that live and are easily raised to make money for you. Look what they did for these men:

### Buffalo Hatched Pullets Win International Egg Laying Contest.

Sayre, Pa., November 25th, 1912

Mr Chas. A. Cyphers, Pres.,  
Buffalo Incubator Company.

Dear Sir:—It probably will be interesting to you to know that my pen of five pullets which won the Philadelphia North American International Egg Laying Competition at Storrs, Conn., laying 1071 eggs in a year, were incubated in a No. 3 Buffalo.

The Buffalo Incubator runs itself. The hatch percentages were very large—a strong and vigorous chick from practically every egg. My prize winning pullets came out bright and lively, and were laying the second week of November.

Yours very truly,  
F. G. YOST.

—Breeder of Keystone State Strain,  
Single Comb White Leghorns.

### Buffalo Incubator Owner Wins Poultry Item Premium for Best Hatching.

New Park, Pa., November 25th, 1912.

Mr. Chas. A. Cyphers, Pres.,  
Buffalo Incubator Company.

Dear Sir:—I purchased a No. 2 Buffalo Incubator from you last January, and I want to tell you of its good work.

I entered it in the Poultry Item contest and hatched 220 chicks from 225 fertile eggs in one hatch, and 214 chicks from 223 eggs in another hatch. I won the first prize away ahead of my nearest competitor.

I shall buy more Buffalos this season.

Hoping you may have great success, I remain

Very truly yours,  
C. P. SHIREY.

—Breeder of S. C. White Leghorns of Quality,  
Eggs, Stock and Day Old Chicks.

The Buffalo is simply a wonder. I am proud of it. There is nothing cheap about it but the price.

I offer you an incubator that is second to none in **Durability, Reliability, or Quality**. You can't get a better incubator than the Buffalo, no matter how much you pay.

You can't get one as good. There are incubators and incubators, and nearly any of them will hatch some chickens. The biggest profits are made by operating the Buffalo, which will hatch a strong and vigorous chicken from every hatchable egg.

## Note My Low Prices

OFFER No.	0—	50 to	60	Egg Size—	Shipping	Weight	65 lbs.	\$10.50
"	"	1—	110 to	120	"	"	90 "	14.50
"	"	2—	220 to	240	"	"	130 "	19.00
"	"	3—	340 to	360	"	"	160 "	24.00

*My Brooder Prices Are Equally Low*

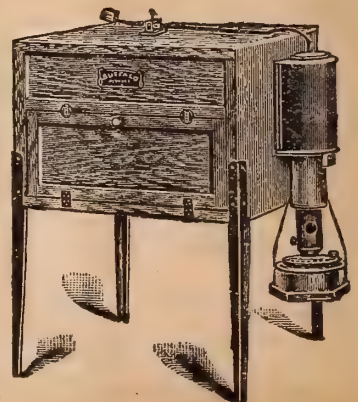
If you want more information about Buffalo Incubators or Brooders, send a postal today; or you are safe in sending your order right along, as Buffalo Incubators are guaranteed to **SATISFY YOU**.

**CHAS. A. CYPHERS,**

President Buffalo Incubator Company

465 Dewitt Street,

Buffalo, N. Y.





The Cyphers who is "The Recognized Authority" on Artificial Hatching.  
 The Cyphers who made Commercial Hatching Possible.  
 The Cyphers who discovered the Cyphers Principle.  
 The Cyphers whose Incubators Circle the World.  
 The Cyphers who will sell you his latest creation, the "Buffalo" at  
half the Standard Price.

# The New BIG 4

## 1440 Egg Capacity Incubator \$84<sup>00</sup>

Occupies same floor space as any standard 360 egg incubator.

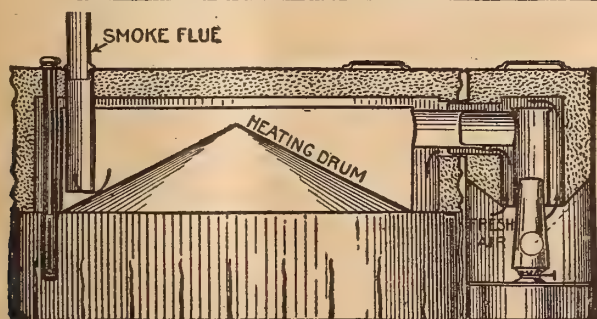
Or incubating section run in conjunction with your present hatcher, whether a Buffalo, Cyphers, Model or Prairie State, will increase its capacity by 1080 eggs. Incubating section alone, 1080 egg capacity, operated with one lamp, costs you but \$60.00.

This is an Incubator, not a Hatcher. You put in 360 eggs every six days, and after the eighteenth day transfer the first 360 eggs to the regular hatcher for the exclusion. Has the other large hatchers beat in quality, in economy of labor, in space occupied and in price.

### Something New In Hovers

**Buffalo Handy Hover \$8<sup>00</sup>**

**Buffalo Home-Brooder Hover \$7<sup>00</sup>**



Buffalo Handy Hover 100 Chick Capacity.

The Buffalo "Handy" is a floor-level hover. You can set it any old place.

**Sanitary**—all galvanized iron.

**Heats Easily**—walls are heavily packed with good insulating material.

**Uses But Little Oil**—flame burns with a white light, which indicates complete combustion.

**Hottest At Outer Circle**—heat is brought lowest at that point.

**Perfectly Ventilated**—heater is double with fresh air flue.

**Handy**—just pick it up and set it aside to clean the floor.

Lamp flame can be seen without stooping. Lamp compartment or heater is attached to hover with "rolled-edge slip-joint," and is quickly detached for tending lamp.

Has all the good points of others, with thick walls and complete combustion added. Others are thinly insulated, and are hard to heat. Other lamps burn a yellow flame, and waste oil. The Buffalo Handy Hover will heat 10 degrees hotter with same oil consumption; and in a room too cold to use any other hover.

*Send postal for fuller description, or better, send along your order before we are over sold.*

## CHAS. A. CYPHERS

President Buffalo Incubator Company

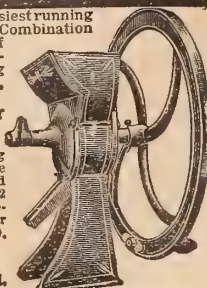
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## \$5 Humphrey's Wonder GRIST MILL

Simplest, easiest running mill built. Combination hand and power. Self cleaning. Mill taken entirely apart by loosening four bolts. Grinds corn, oats, barley, rye, etc. Capacity 2 to 7 Bushels per hour. Grinds fine or coarse. Special process chilled iron. Self-sharpening grinding rings. Can grind meal, coffee and spices for table use. Hand wheel 20 in. Power pulley 12 in. x 2 in.  $\frac{1}{2}$  to 1 H.P. Shipping weight 55 lbs. Ask for catalog. **GUARANTEED.** Sold on Free Trial.



HUMPHREY, Avon St.  
Factory, Joliet, Ill.

## Wonderful Fall-Bearing Strawberries

Fruit in fall of first year and in spring and fall of second year. Big money-maker! 500 plants set in May yielded from Aug. 23 to Nov. 11 nearly 400 quarts which sold for 25c per qt. The past season (1912) we had fresh strawberries every day from June 15 to Nov. 15! We are headquarters for



### Strawberries and Small Fruit Plants of all kinds

Big stock of best hardy varieties at very low prices. Plum Farmer, Idaho and Royal Purple Raspberries, also Blackberries, Gooseberries, Currants and Grapes. 30 years' experience. Catalogue free.

L. J. FARMER, Box 301, Pulaski, N. Y.

## Natural Hen Incubator 200 Egg Size only \$3.00



J. F. SIEMS  
Patentee

Let us send you our Catalog and prove to you that we have the Incubator you cannot afford to be without. It assures you immediate success in the Poultry Business. Its cost is very small. It needs but little attention, and produces the greatest percentage of healthy, vigorous chicks. It is the only Incubator without mistakes.

### Over 550,000 Sold

Mr. R. I. Whitmer, from Kans., writes:—"It is the grandest thing I ever saw." Another—"It's a labor-saving invention." Another—"Greatest success of the age." Another—"I hatched out 507 chicks from 540 untested eggs," etc. Thousands of voluntary testimonials. No freight to pay. More agents needed. Send postal form for Catalog containing Special Introductory Offer. Address

Natural Hen Incubator Co.  
Station H, Dept. 4, Los Angeles, Cal.

## Double Your Profits

Plant trees and Bush Fruits in your chicken yards and reap double profits. Many of the most successful poultrymen do this and make more from the fruit than the poultry. The fruit is clear gain and the poultry thrive on the insects from the trees and bushes.

### "Scarff's Fruit Catalog"

Offers special inducements. A reputation of over 25 years is back of every order. Our list is complete, fully describing the products of our 1100 acre Nursery and Seed Farms. Send for our free orchard tree catalog. Also describes our small fruit and farm seeds. Write to day. It's free.

Send names and addresses of 5 Fruit Growers and get a fine currant bush tree.

W. N. SCARFF,  
Box B  
New Carlisle,  
Ohio

## POULTRY FENCE

25 1/2 CENTS A ROD FOR 60 INCH FENCE

Prices on other styles and heights in proportion. Is not a flimsy netting requiring top rail and base board but a strong, substantial fence. The style shown is 23 bars high with stay wires 4 1/2 inches apart. Graduated spacing between the line bars from 1 1/4 inches at bottom to 4 1/2 inches at top. Makes an ideal general purpose POULTRY FENCE and is absolutely poultry and rabbit proof. **Sold Direct to the User.** Write today for large Free Catalogue.

COILED SPRING FENCE CO., Box 82 Winchester, Indiana.

## As Heat Rises Moisture Must Fall

High heat must have low moisture.  
Low heat must have high moisture.

This is a rule never to be violated. A certain definite relation exists between heat, moisture and ventilation. The more closely it is observed, the nearer the hatch comes to perfection.

## Mandy Lee Incubator

Adapts the Moisture to the Heat

Heat  
Moisture  
and  
Ventilation  
Measured—  
No Guessing

It is the one scientific incubator, because it is the only one that measures and secures right relations of hatching requirements. Hatching with the Mandy Lee is exact work. Thermometer, Hygrometer and Triple Automatic Regulator cannot go wrong like machines watched and "tended" without knowing what is wrong or what is required.

Everything is measured, not guessed at, in the Mandy Lee. All is automatic. See Lee's latest catalog for particulars on modern scientific hatcheries, including New 600-Egg Incubator.

Use Germozone this year, standard remedy of the world for Roup, Colds, Cholera, Canker, Bowel Complaint, etc. Also Lice Killer, Egg Maker and White Diarrhoea Remedy. All Lee modern poultry books free. Address

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## Only Live Chicks Count

It is not the number of chicks hatched, but the number raised, that makes a poultry farm profitable. Chicks trampled to death or smothered in the brooding represent loss.

## International SANITARY HOVER

The only hover that is warmer near the curtain than at the center. This, by causing the chicks to distribute themselves near the edge of the curtain, prevents crowding and assures plenty of fresh air.

The Sanitary Hover can be picked up and carried around with ease and used anywhere. No carpenter work is required to set it up. It is fireproof, unbreakable, absolutely reliable.

More sales are being made of Sanitary Hovers than of any other two makes combined. Sixty per cent. of the Sanitary Hovers sold are replacing other brooding devices. If you are going to raise chicks this spring, you owe to them to investigate the results achieved with the Sanitary Hover.

Indorsed by Kellerstrass, Owen Farms, Wm. Cook & Sons, and America's leading poultrymen generally. The concerns named are breeders of the highest priced birds in the country. Every chick entrusted to a hover by them represents from \$10 to \$100 in value. They use the Sanitary Hover because they know it can be depended on.

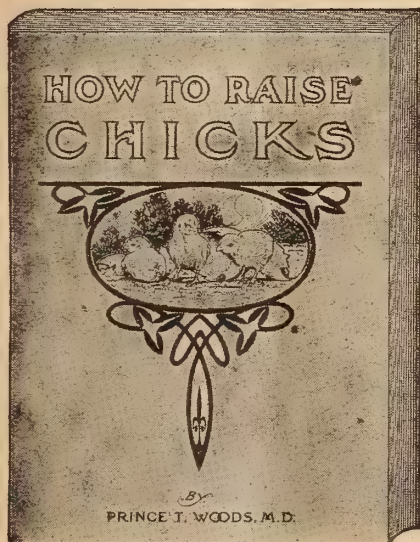
Write for booklet containing a full description of the one perfect brooding device—the Sanitary Hover.

INTERNATIONAL POULTRY SALES CO.,  
Box 511, Brown's Mills, N. J.





# Every Poultry Keeper Everywhere Should Have



—DR. PRINCE T. WOODS' NEW BOOK—

## HOW TO RAISE CHICKS

*Including Revision of "Facts About  
White Diarrhoea"*

A down-to-date manual on breeding poultry getting hatchable eggs, incubation and brooding both natural and artificial, preparing chick foods, feeding chicks, how to raise chicks and how to avoid and prevent disease and losses. Told in plain language. Illustrated with reproductions from photographs and with pen drawings. Tells how to make your own brooders and chick foods. Written by a man who knows how and how to teach others. 88 pages, 35 illustrations and 5½x8

inches in size. Printed on good paper. Well and durably bound in cloth.

**A Book for Everybody Who Keeps Fowls or Grows Chickens Whether  
Beginner or Old Timer in the Field of Poultry Work**

### IT HAS TEN CHAPTERS:

**Chapter I—Selecting and Mating Breeding Stock.** Constitutional vigor necessary in breeding stock to secure vitality in the chicks. Tells how to get it. Selection and care of male bird. Selection of females. Mating. Number of females to a male. The service. Fecundity vs. sterility.

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**Chapter III—Fowls and Food.** The living fowl and the Life Principle. The living cells. Chemistry of fowl's body. Disposition of food varies with individuals. Variety of wholesome, palatable food necessary. Balanced ration is desirable. Live food needed. Digestion of food. Maintaining body temperature. Exercise. Give the fowl a chance to balance its own ration.

**Chapter IV—Care and Management of Breeders.** Housing. Foods and feeding. Hoppers and automatic feeders. Importance of comfort. Keep them healthy and happy. Well fed healthy breeders managed for comfort yield hatchable eggs.

**Chapter V—Eggs for Hatching.** Selection of eggs. Sex of eggs. Fertility. Gathering and keeping eggs. Time eggs may be kept. Period of incubation.

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good hatches with hens. How to get good hatches with incubators. How to test eggs during incubation. Simple home-made egg tester.

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REGULAR SCRATCH  
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The Utmost in Poultry Feeds  
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was selected by the United States Government experts for use on the Panama Canal work.  
For sale by leading lumber and hardware dealers. Write for name of dealer near you.  
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THE EMPIRE STRAIN  
"ALWAYS WINS"  
  
**GEO. H. BURGOTT,**  
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Return large profits on small investments—\$15.00 per acre and up—will buy attractive little farms near good station with advantages of good schools, markets, neighbors, roads and quick access to big Eastern cities. Send names of two friends probably interested and get our beautiful magazine a whole year free with other literature, maps and low excursion rates.  
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Our Table is the Foundation of Our Enormous Business.  
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Send for Large Colored Map of New York, Free.  
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The Only New York Hotel Featuring American Plan  
Moderate Prices. Excellent Food. Good Service.

**\$4.95 Buys This New Hatcher NOW!**  
**Mankato Incubator**  
Sensation of the incubator world! That's what our 1913 prices are! Don't miss them. Just send your name—we'll do the rest. Look! 50 egg genuine Mankato, sold direct to you from factory, price only \$4.95. Backed by 18 years' experience and liberal guarantee. Other sizes at equally sensational prices—brooders, too. You won't know how good the Mankato is till you know **HOW PERFECT IT'S MADE**  
Built of real California redwood, three thicknesses of walls all over, top, bottom, sides and all. Lined with asbestos. Has heavy genuine copper heating system, copper boiler, metal safety lamp, best egg tray, high nursery, tested thermometer, egg tester, etc. Simple, sure, safe, successful, set up ready to use. 18 years' experience. **Send Your Name** Don't buy any incubator till you get our fine catalog and poultry book. We'll save you money—give you highest quality, prompt, fair treatment. Address postal now to **Mankato Incubator Co., Box 821, Mankato, Minn.**  
  
Large size \$8.25 and equally low prices on Brooders.  
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**TOMPKINS' RHODE ISLAND REDS**  
  
Undeclared undisputed champions of the world. First pen seven times in seven years showing at Madison Sq. Garden. Have just won at great Atlantic City International Poultry Show, 1st pen R. C. R. I. Reds, 1st S. C. R. I. Red pen and special for third best pen in the show, any variety, which shows that Tompkins' Reds are all-year-round winners and hold their own in any company.  
Breed both Single and Rose Comb  
**Lester Tompkins, Concord, Massachusetts**

**Increase Egg Yield This Winter, Save Money on Feed, Make Chicks Grow Rapidly, Strong**  
by installing an Ideal Grain Sprouter and feed your hens the green food that is absolutely necessary to insure prolific egg production.  
Eggs are going higher in price every day, the demand is far exceeding the supply, and it looks like good times and plenty of money for the man who has one of our Sprouters.  
**The IDEAL Grain Sprouter**  
—is the best machine for sprouting grain ever made.  
—will produce sprouts over 2 inches long in 24 hours;  
—sprouts any kind of grain better, in less time and without fuss or muss;  
—produces three to four bushels of feed from one bushel of grain;  
—pays for itself in a single month by saving in feed bills, increasing egg yield, supplying food that makes chicks grow strong and vigorous.  
The "Ideal" is made in several sizes—for a few hens up to hundreds. Can be used in summer (without lamp) as it has proper arrangements for moisture and ventilation to produce quick results and crisp feed.  
**CONSTRUCTION**  
Made of best lumber—double walls, insulated with heavy deadening felt—inside lined with galvanized iron—frame of trays heavy galvanized iron—bottom of tray heavy wire netting—front of machine glass, which induces green sprouts. These sprouts require very small amount of artificial heat which is produced by the Ideal Safety Lamp, the fumes of which pass through ventilators.  
**Get Special Low Price Freight Prepaid Offer Today**  
Don't delay but write at once for special low price freight prepaid introductory offer, full particulars and description of this perfect grain sprouter. No poultryman should be without it. It is the **Biggest Money Maker for the Poultryman since the Incubator was Invented.**  
Made by **J. W. Miller Co.,** Manufacturers of Incubators, Brooders and Poultry Supplies, which is sufficient guarantee of its excellence.  
**J. W. MILLER COMPANY, Box 600, ROCKFORD, ILLINOIS**



# Wonderful!



J. H. KATE

Greatest artificial hatching machine in the world. Shipped *direct* to you from factory. No middlemen's or agent's profits. My big *Free Book*, No. 10, tells all about the X-Ray Incubator and Brooder. X-Ray Incubator is only hatcher on the market that's built on *The right principle!* It has the lamp *underneath*—square in the center—and *not* on the side. This way I get an absolutely *even* temperature in egg-chamber *all the time*. There's no *cold side*—no outside draughts. Always *proper* ventilation and heat. And you get bigger hatches, strong, healthy chicks—and you make more profits! I use a big four-to-eight-quart oil tank on my X-Ray. Once it is filled it doesn't need to be touched again until the *next hatch!* All other machines require filling of lamp *every day*—at least 21 times!



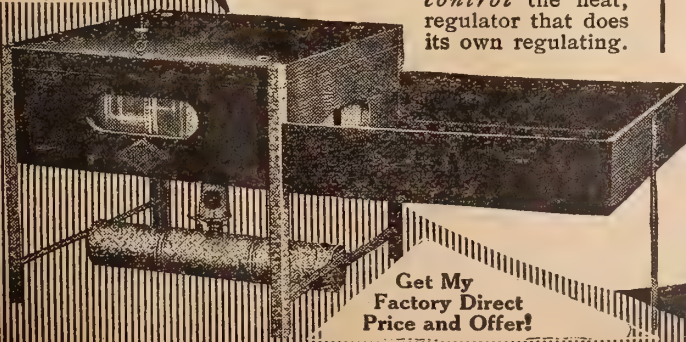
## My X-Ray Incubator Uses Only 1 Gallon of Oil for Entire Hatch and Requires Just 1 Filling of the Lamp!

Just one gallon—that's all! The old-style lamp-on-the-side machines use 3 to 5 gallons. And you have to fuss around with an old dirty, ill-smelling oil-tank *every day*. But I not only save you worry, work and dirty hands—no—

### I Guarantee to Save You From 75c to \$1.25 on Every Hatch

My patented automatic trip—and exclusive X-Ray feature—cuts down the flame at the burner when egg-chamber gets too hot. So there's no excess heat—*can't be any!* No smell. Absolutely no waste of oil! Here's how the saving of oil is made. Another point. My X-Ray Regulator requires no attention whatever—it is purely automatic—takes care of itself. All worry is eliminated. Instead of wasting heat and having a regulator that keeps you busy all day looking after it—my X-Ray has improvements that *control* the heat, regulator that does its own regulating.

X-Ray  
Brooder



Get My  
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Price and Offer!

To use my X-Ray Incubator means less handling of eggs, much less oil expense, less heat generated and absolutely no waste whatever. Eggs need not be removed during *entire* hatch. Anyone can get the biggest results from this hatcher that is so simple in construction and so easy to operate. If you are going to get an incubator or brooder why not get the ones that are miles ahead of the old-fashioned, clumsy, wasteful machines? The X-Ray Brooder has the same successful heating system as my X-Ray Incubator and I guarantee it to raise every chick worth raising. Both machines are built on the only right *principle*—so both are very successful.

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You. Every  
**X - RAY**  
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—contains great quantities of egg-making material. Makes your hens lay! Saves money on feed—increases your profits. Keeps all fowls in top notch condition. Banner Root Cutter makes enough feed in 5 minutes for entire flock. Cuts fast, in ribbon-like strips—easy for chicks to eat.

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**CORNELL GASOLINE BROODER HEATER**  
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Needs little attention  
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Made of double reinforced corrugated board. New ventilating device permits adjustment for hot and cold weather. Keeps chicks perfectly on longest journeys. Easily put together. Absolutely safe.

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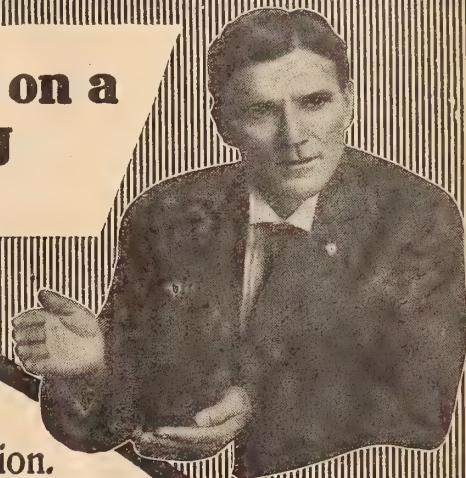
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I have a Poultry Guide Book that every earnest poultry raiser in the United States should read this year. This is the coupon that brings it. It shows the way to bigger and better things for poultry raisers. You can't afford to be without it, and I am going to send it to you free. Fill in your name and address on the blank line below (or write a postal) and mail to **P. M. Wickstrum, the Queen Incubator Man, Box , Lincoln, Neb.**

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**THE  
QUEEN  
POULTRY  
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## Get Your Chickens on a Money-Making Basis



Queen Incubators  
and Brooders have done this  
for thousands of my customers all over  
the country—in every state of the Union.  
Read of their success in my new Poultry Guide.  
Here are paragraphs from two letters in the book,  
the first from Iowa, the second from British Columbia:

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"I ran the Little Queen at sea level when the  
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got 112 chicks out of 114 eggs."

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Don't you see it's a valuable book for you to have? You want to know how these things can be done.  
I promise you will find out in the book. Queen users have reasons for being so enthusiastic.

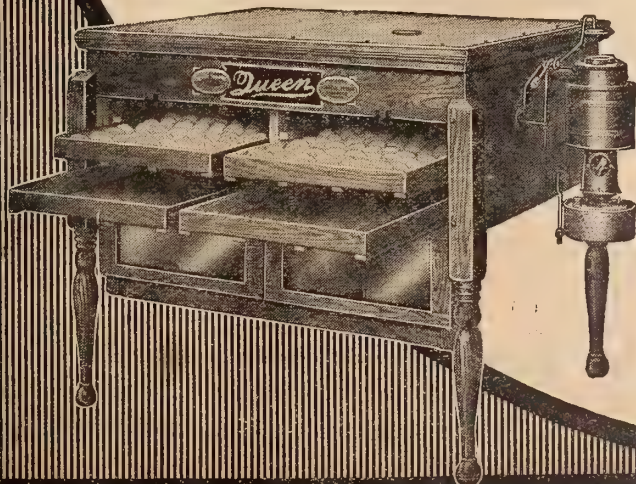
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**Built to last 25 years.  
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**Always sells at a fair price.  
No better at any price.**

Every year the Queen is pressing the high-priced incubators harder and harder. Its sales are increasing at a rapid rate. It works alongside them in hundreds of places—its hatching record exceeds. It has a

better record than even the \$18 to \$40 machines. People have learned it is no use to pay more than Queen prices. I am now selling Queens all over the U. S. They make their own way. I sell on a money-back guarantee. I refer you to any National Bank in Lincoln, Nebraska. Quick deliveries in the extreme East and West through my distributing houses. Now fill out and send in the coupon at the top and let me get my fine book out to you quick. Don't wait—do it now.  
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Send your address plainly written on Postal today.  
Fairview Seed Farms, Lock Box 122, Syracuse, N. Y.

### FREE SEEDS



**FRENCH RADISH**  
Very early, crisp and tender.



**Dwarf Giant Tomato**  
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## HUMPHREYZE YOUR HENS

I keep hens because I enjoy them and because I want fresh eggs.

What is more, I get them. All winter my small flock will average 40 to 50 eggs a day, and I have gathered 58, and I am not a professional poultryman. I usually keep about 70 hens. Around me my neighbors were not getting any. That is, they did not until I told them how. Now they get as many as I do. They say I Humphreyzied their hens, and I have adopted that word for my own.

I will tell you how to Humphreyze your hens, so you can get eggs right through the winter months. If you have no more than 10 hens, it will pay you to Humphreyze them. It costs you nothing to find out how, and I will give you a



**30 Days' Free Trial**

It makes no difference what breed you have. Some breeds are better winter layers than others, but any breed can be Humphreyzied and made to lay in winter. The increased egg crop will, in a short time, more than pay the cost, while the feed bill will actually be about half what it now costs you when, perhaps, you get no eggs.

A piece of fresh bone which you can get at your butcher's for nothing, or a few cents at the most, is a part of Humphreyzing, but if you will

### Send for my book "The Golden Egg"

which is free—you will get the whole thing. I tell you how to care for your flocks month by month, what to do in case of sickness—in fact, my book is an easily understood guide. With it you can make your hens lay, and give vigor and strength to the whole flock. Send for a copy to-day and begin to Humphreyze.

**HUMPHREY**  
White St. Factory Joliet, Ill.

## RANCOCAS Cockerel Bought by U.S. Government

This letter has just been received from RANCOCAS Headquarters:

"Mr. Harry Lamon, the Government poultry expert, has purchased a Rancocas cockerel to head the flock of White Leghorns at the Government farm at Washington, D. C. Mr. Lamon has visited practically all the large Leghorna farms this Fall, and considered this the best bird, combining both the utility and fancy points that he could find anywhere." This bird is to be used by the Government to head a breeding plant to develop what they will advocate as the perfect type of White Leghorns.

At the Trenton State Fair, Fall of 1912, RANCOCAS birds captured the championship, two silver cups, 20 ribbons, and Cash Prizes.

At Syracuse, 1912, all first prizes but one were awarded RANCOCAS White Leghorns, with other winnings for RANCOCAS White Plymouth Rocks.

RANCOCAS birds mean profitable Poultry Raising. We supply birds for competition and condition them for shows.

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## Greater growth from the ground

Scientific soil cultivation gives bigger results, and you save time and lighten labor if your implements are

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Built by an actual farmer and manufacturer, whose more than 40 years' experience is behind every Planet Jr. They do thorough practical work. Light, strong, fully guaranteed.

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For the asking you can get this book of valuable information on 55 latest implements for all crop-growing. You can't afford to miss it. Send postal for it today!

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## Now Ready New 1913 Prairie Poultry State BOOK Bigger and Better

Every one interested in chickens—amateur or expert—wants and needs this valuable book. Poultry experts say it is by far the best book published. It is brimful of good, practical information, gleaned from actual experience of the most successful poultrymen. Over 120 pages and 75 of them bristling with such live topics as the following:

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- Care of Brooders
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Do it today. Be among the first of the thousands who will ask for this valuable book—so you won't have to wait for your copy. You'll be surprised at what you get. An illustrated book crowded with money-making and money-saving methods, hints and pointers which you will be happy to know. State experiment stations, Corning of N. J., and dozens of the best poultrymen in the world endorse this book, and tell how success is sure with

which are built according to the very best ideas in practical, scientific incubation. Practical use proves they hatch the most and best "livable chicks." The book is free if you send now. Do it today.

**Prairie State Incubator Co., 463 Main Street, Homer City, Pa.**

I have paid dollars for poultry books not half so valuable. I never came across anything like it before.

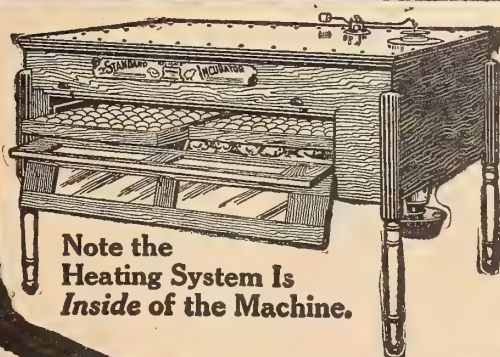
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**120 Page Book FREE**



# Get My Price on This Incubator— It Will Hatch Every Hatchable Egg

You simply can't lose when you buy a Reliable Incubator. It's so thoroughly guaranteed—so well made and of such good material that it can't help producing satisfactory results. Every machine has back of it my 31 years of incubator building experience and the largest incubator and brooder factory in the world. I know just how cheaply a good incubator can be made and how cheaply it can be sold. I know that no matter how much you pay, you can't get a better incubator than



Note the Heating System Is Inside of the Machine.

## The Reliable Incubator

The biggest poultrymen in this country know it will hatch every hatchable egg every time. It's guaranteed to give perfect satisfaction or your money will be refunded. You run absolutely no chance whatever. Read how it's made—then get my price. Now look—seasoned cypress lumber is used in its construction having top and bottom tongued and grooved—thoroughly insulated—**double heating system** built right into the incubator, yet you can get at it in a second. No matter how cold the weather you can depend on the Reliable. It lets you sleep nights. Accurate regulator—tanks of cold-rolled builder's copper—metal chimney—government standard tested thermometer—all metal safety lamp—and all thoroughly inspected before shipment is made. The Reliable will save you money, time and temper.

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is built upon the same thorough principles, and is of the same excellence of construction, as the Reliable Incubator. Either Hot Air or Hot Water System of heating. Four sizes—for 80—120—220 or 300 chicks. Roof is heavily painted galvanized iron. Every part and attachment made of the very best high-grade materials.

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offers you a thoroughly dependable source from which to secure either birds or settings of eggs. This is one of the largest and most noted pens in America and only pedigreed stock is bred. All varieties of chickens, ducks and geese. Either birds or eggs successfully shipped anywhere in this country or abroad.

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including our Reliable grain and oat sprouter. Send now for prices and descriptions. We will also send you free our new poultry catalog that you will find interesting and to contain many suggestions that will prove profitable to you. Just a postal—or use the coupon if you prefer.

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Reliable Incubator & Brooder Co.

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Mail  
Coupon  
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Reliable Incubator & Brooder Co.,  
Box A-1 Quincy, Ill.

Please send me full description of your Reliable Incubators and Brooders, together with your special low price offer.

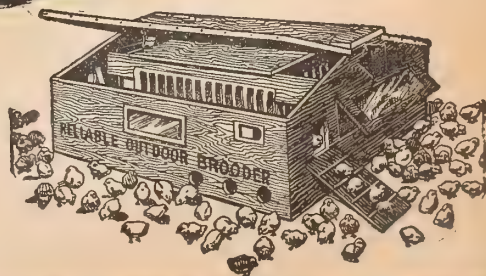
Name.....

Street or R. F. D. No.....

Town.....State.....

Do you want an Incubator }  
or Brooder }  
or Both? } Which?

About what capacity?.....  
How many eggs or chicks?





# Dune Alpin Poultry Farm

## SPECIALTY BREEDERS OF S. C. WHITE LEGHORNS



Make the greatest wins of the season at Grand Central Palace, New York, and Hagerstown, Md. shows. Our complete winnings are as follows:

**Palace, N. Y.:** Cocks, 1, 2, 3, 4, 6, 7; hens, 1, 2, 3, 4, 5, 6; cockerels, 1, 2, 3, 4, 5, 7; pullets, 1, 2, 3, 5, 6, 7; pens, 2, 3, 4. Specials for best shape and color female, best head female, best head and color male. Gold special and silver cup for best display: special for best display, any variety, in show.

**At Hagerstown, Md.:** Cocks, 1, 4; hens, 1; cockerels, 2, 3, 5; pullets, 1, 2, 3; pens, old, 1; pens, young, 1; specials for best Leghorn, any variety, and cup for best bird in the Mediterranean classes.

These two wonderful wins, combined with our victories at Palace, New York, Boston and Philadelphia in 1910 and 1911 of twenty-two firsts, thirteen seconds, seventeen thirds, ten fourths, nine fifths, eighteen silver cups and two championship medals, surely proves that we have the best in our variety.

We have hundreds of cockerels and females for sale, bred from our very best stock, at very reasonable prices. We have sold all White Orpington stock to Mr. S. R. Clark, Harmony Park, Scotch Plains, N. J. and hereafter will breed S. C. W. Leghorns exclusively. Send for catalog.

### Dune Alpin Poultry Farm

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## THE 1912 REVISED EDITION OF THE AMERICAN STANDARD OF PERFECTION

The only American authority on the required characteristics of all breeds and varieties of chickens, ducks, turkeys and geese. You cannot raise, mate, exhibit or sell fowls intelligently without it.

**This Great Book** was revised this year (1912) and gives the correct Standard shape, color and weight of every recognized variety of chickens, ducks, turkeys and geese, as well as the disqualifications of each variety. The book contains 332 pages of descriptive matter and ideal illustrations of the different varieties of fowls, photographed from living models. Also

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to guide the breeder in getting the correct color of plumage on his birds. No one can breed birds of any variety for exhibition without a copy of the American Standard of Perfection as a guide, and it is the only book of its kind published in this country. It is authorized, copyrighted and published by the American Poultry Association. Price postpaid, cloth, \$2; leather, \$2.50.

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# Wisconsins Victorious—Winners

Winner in Mo. Valley Farmer Contest in 1910. Also a winner in Successful Farming Contest in 1911 and 1912. Read the wonderful records below which prove beyond question that the Famous Wisconsin machines are the **BEST FOR THE MONEY IN THE WORLD.**

## in 3 Big Hatching Contests

Mrs. Jerry McMahon, Veedersburg, Ind., with a 125-Egg Wisconsin Incubator, hatched 125 chicks from 126 eggs, in the 1910 Big Hatching Contest held by Missouri Valley Farmer, making her a Prize Winning contestant with over a thousand competing. (Sworn Statement).

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**If You Want to Get Results Like These—Why Take Chances?  
Get a Pair of These Unbeatable Machines—  
You Can't Go Wrong!**

# Why Take Chances

It is folly to take chances with unproven, unknown makes, when you can get the Wisconsin with public records like these for as little and in many cases less money than others. Then, remember, our strong guarantee makes you doubly safe.

THOS. J. COLLIER  
Manager  
Wisconsin  
Incubator  
Co.

**125-Egg Incubator  
125-Chick Brooder**

**Why Pay More? If Ordered Together  
Why Take Chances? Both for**

**\$10** Freight Paid East of the Rockies

I stand ready to prove to you there are no better machines on the market for anything like my low price. I stand ready to let you prove it in your own home, to your own satisfaction (not mine), and pay the freight charges both ways. You take no risk—no chances. I will ship you one of my 125-Egg Hot Water Wisconsin Incubators and a 125-Chick Brooder on 30 days trial, and if you don't find it the best hatching outfit after 30 days trial ship it back, and back comes your money. Machines that win in the Big Hatching Contests year after year surely must have unusual merit. But, remember, they must win your satisfaction or I take them back—return your money—pay all freight cost. I have been advertising in this paper for years. The publishers know me and know that I do just as I agree. I am undoubtedly making the readers of this paper the most remarkable offer on high-grade incubators and brooders that has ever appeared in the paper.

## The Wisconsin Incubator

is hot water type; has double side walls with dead-air space between; top has three walls; large double glass doors; copper tank and boiler; roomy nursery beneath egg-tray; self regulating; made of high-grade California Redwood, not paper, nor do we paint them to cover up cheap lumber, but we stain and varnish them so as to show quality of lumber—completing a machine that

has no equal at anywhere near the price. The brooder is a roomy, well made, properly heated and ventilated machine. Fitted with hover, oil lamp and wire scratching yard as illustrated. Both machines complete—set up, ready to use with Taylor "Tycos" thermometers, O. K. burners, safety oil lamps, egg tester—everything but the oil—all for only \$10.00.

## Order Now, DIRECT FROM THIS ADVERTISEMENT

**at My Risk—Money Back if You're Not Pleased—**  
at any rate don't buy until you send for my FREE CATALOG.

Write for a copy today, so that you can compare the material we are putting in our Wisconsin incubators and brooders with the material other makers are using. If you will do this we know you will order a Wisconsin.

I want you to have this book, and I will gladly send it to you free and postpaid. It tells all about these wonderful machines and shows how others have made big money in poultry, starting with the same complete Wisconsin outfit which I offer you for only \$10. If you send your order in, I will send you the book, anyway; it will be valuable to you while you are trying the machine for 30 days. (16)



Natural  
Finish  
California  
Redwood

125-Egg  
Incubator

30 Days' Trial

**Both For Only \$10**

125-  
Chick  
Brooder

**Wisconsin Incubator Co., Box 50., Racine, Wis., Thos. J. Collier, Mgr.**

## Proof in a Nutshell

Here are a few comparisons of "proofs" that will help you to avoid making a mistake in deciding which machines to buy:

**1st** The Wisconsin has double walls with dead air space, a decided advantage. Some have no dead air space.

**2nd** Egg chamber in the Wisconsin is fully ten inches deep. Some, to cheapen cost of making are scant 8 inches deep.

**3rd** This makes the nursery less than 2 inches and too shallow for little chicks. In the Wisconsin the nursery is 3 inches deep.

**4th** In the Wisconsin there is plenty room between the egg tray and the door for the chicks to get in the nursery. In some incubators you have to open the door in order to put the chicks in the nursery.


**5th** The Wisconsin has large double glass doors through which the thermometer can be easily read. Some have a small single glass, making it necessary to open the door to read thermometer.

If you will make these comparisons, weigh them well, I know you will order my machines and be better pleased, for these are cold facts which actual comparison have proved.



SECTIONAL VIEW. Showing the Double Walls and Dead-Air Space Construction of Our Machines.



 **48 BREEDS** Fine pure bred chickens, ducks, geese and turkeys. Northern raised, hardy and very beautiful. Fowls, eggs and incubators at low prices. America's greatest poultry farm. Send 40c. for large, fine, Nineteenth Annual Poultry Book.

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**Greider's Fine Catalogue**

and calendar of fine, pure-bred poultry for 1913. This book contains many pages of poultry facts. 70 different varieties shown in natural colors, all illustrated and described. Tells how to make hens lay, raise and care for them, all about the Famous Greider Incubators and Brooders. Shows photo of the largest poultry farm in Penn. Prices of breeding stock and eggs for hatching, and supplies within reach of all. A perfect guide to all poultry raisers. Send 10c for this noted book on poultry.

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**LEG BANDS** for POULTRY and PIGEONS are the acknowledged leaders. Firmest and most secure lock. **GUARANTEED to stay on.** Price, postpaid, 12 for 15c; 25-20c; 50-35c; 100-60c; 175-\$1.00; 200-\$1.10; 500-\$2.50. Price list and sample 2c.

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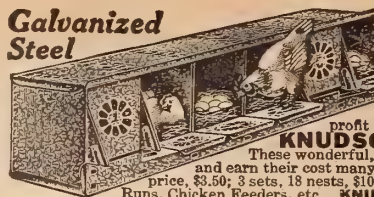
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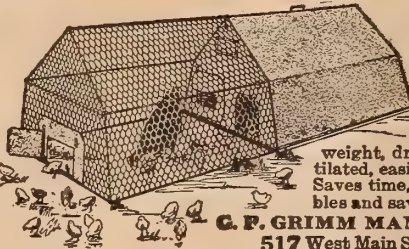
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Brings the tender little creatures through the most critical period by regulating and strengthening their fine tender organs

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# What Is a Good Incubator?

(Written by The Man Who Knows)



J. W. MILLER

**D**O YOU know what goes to make up a really good, dependable incubator?

If you have any doubts upon the subject, let me explain my ideal—the ideal which I have worked to embody in my incubators.

To begin with an incubator should have perfect insulation, a sensible heating system, a simple, efficient regulator.

These are the vital things. Upon them depend the success of your hatch, the sturdiness of your chicks, the profits of your enterprise.

There are a few good incubators on the market which meet these conditions perfectly. But there are other points to consider. For, if there's a weak spot anywhere, it is apt to prove costly.

For instance:



—the regulator should be automatic in action, never allowing the temperature to vary even a fraction of a degree;

—the ventilation arrangement should be carried to a point where it cannot be improved upon;

—the lamp and burner should be fire-proof, danger proof;

—the thermometer must be accurate;

—the incubator should have the best nursery advantages, the handiest egg tray, and be constructed of best materials possible to obtain.

As many have said before, you don't have to be an expert to "make good" with a good incubator. But if you are seriously thinking about spending your money for a hatcher, you want one that measures up—point for point—with the specifications outlined above. You want one that you can *readily understand*, one that exploits no freak or untried ideas, one that will stand the most minute inspection, the most unsparing scrutiny and *pay you large dividends on your investment*.

This is not a rosy picture from the draft-room, nor the conversation of an enthusiastic salesman. It exactly describes my "Ideal"—The IDEAL Incubator.



Because of its mechanical features of superiority, the Ideal is the machine you can be sure to make the most money with.



—It is absolutely safe—an explosion or fire has never resulted from its use.

—It gives better results with a smaller expense of operation and with less care and attention.

—It is handsome in appearance, of attractive design, finished in imitation mahogany, and with ordinary care will last a lifetime.

I'm proud of my incubator all the way through. Proud of the hatches made with the "Ideal." 95%, 98%, 100% perfect hatches are the records. These records are not a sensation. They were years ago. But sensations cease to be sensations when they become every-day occurrences. If you buy an Ideal you can obtain the same results.

The money you spend for an Ideal is as safe as if spent for a Government bond—you are sure of the returns—and, as I believe the Ideal is more likely to suit the demands of the people better than any other incubator in the world, and



help them to big profits, I heartily recommend it to all, and stand back of every claim made for it, regarding specifications, hatches, etc.

To those interested in incubators and poultry raising, I will send free my big Poultry Book which contains *actual photographic reproductions and descriptions of standard bred poultry*. I have only a limited quantity of these books on hand, and so that you may be sure of getting one, please send me your name and address at once.

If you send for Free Book immediately, I will also include my special low price, freight prepaid, introductory offer on my Ideal Incubators. When writing, tell me whether you are interested in a 60, 120, 175, 240 or 360-egg size.

Yours truly,

*J. W. Miller*

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**My low price now includes everything.**

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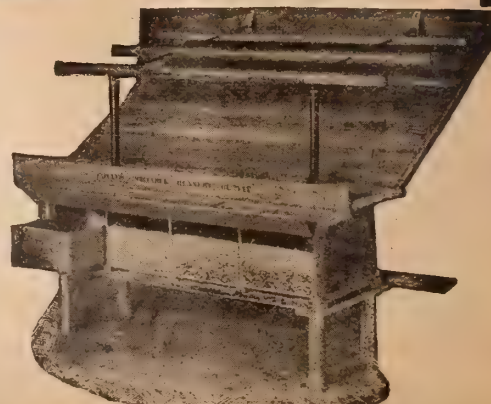
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The 1913 edition of this great poultry book is just off the press, and your copy is ready for mailing now. People have said that the Johnson book is worth a dollar—but it's free to all who just write a postal.

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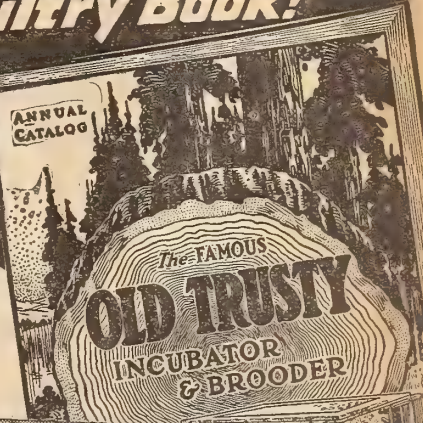
You'll be glad to read this book. You'll be glad to see the hundreds of photographs sent in by Johnson's customers. You'll be glad to know the reason why more Old Trusty Incubators have been sold than several of the next largest makers combined have sold. And you'll be glad to read the reasons why Johnson's price is still less than \$10.00 for 1913.

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Biggest guaranteed incubator at price—155 egg capacity. Has hundreds of dead air cells—only incubator with this special construction—well made—cold rolled copper tank, hot water heat, double disc regulator, deep nursery, high legs, double doors, egg tester, safety lamp. Special price \$7.35. Incubator and Brooder together \$9.85. Frt. pd. E. of Rockies. Order direct from this ad (money back if dissatisfied) or send today for our interesting big free book. **PROGRESSIVE INCUBATOR CO.** Box 135 Racine, Wis.



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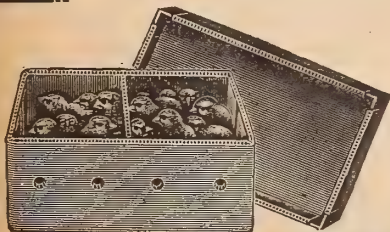
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The reason this roofing gives such long service is because it is made of Asbestos and Trinidad Lake Asphalt—both indestructible minerals. It is literally a flexible stone roofing, so is not affected by water, sun, cold, acids or chemical fumes, and never needs coating. And it affords perfect fire protection.

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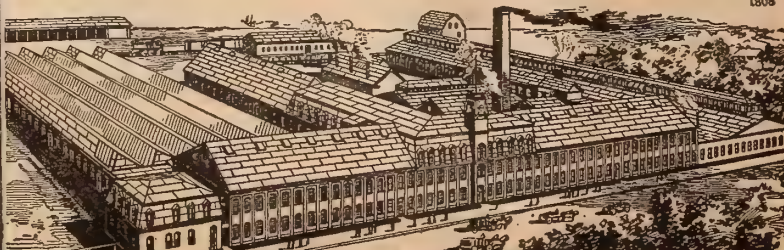
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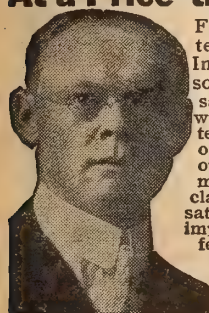
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Of Raising Poultry and Making Incubators

## Neubert Offers His 1913 Triumph

At a Price that Saves You \$5



For 19 years I have been testing and experimenting. In that time I have made and sold thousands and thousands of incubators. I started without a cent, as anyone in Mankato will tell you, and built up the biggest business of its kind in the Northwest. All my previous incubators were ahead of others—all my other machines were even more than I claimed for them—but I was not entirely satisfied with them. For 1913 I have added improvements that put the final touch of perfection on my incubators. My 1913 Triumph is my masterpiece—after 19 years of study. The principles have been proved right—and the materials stand for strength, durability and efficiency. I am sure you will get higher percentage hatches of stronger, healthier chicks with my Triumph than with any other incubator you could buy—and my factory price saves you \$5.00 or more.

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## Neubert's Triumph

### Read this Description

**The Case** is made of one-inch clear, selected California Redwood, lined with 3-ply then a dead air space. Inner case is made of Basswood, which has no odor—then lined with the same 3-ply building felt. The Triumph case is also lined with a heavy layer of genuine asbestos—fireproof throughout. Sides, top and bottom are all made exactly the same—front has double glass doors with dead air space between.

**Heating System** consists of combination hot water and hot air arrangement—utilizing every unit of heat given off by lamp side, absolutely even temperature, no waste of fuel! Hot water tank all copper, heavy and pure, hot air tube of galvanized sheet steel, does not come in contact with water.

**Triumph Lamp**—made with extra heavy brass Sun-Hinge Burner, with perfect ventilation—absolutely safe and clean—no odors can get into egg chamber. Held in position by our new improved swinging lamp bracket.

**Triumph Regulator**—is famous double-water type, sensitive to slightest variation—keeps the egg rectem temperature throughout the hatch. Special feature also reduces flame at lamp when egg chamber gets too warm.

**Triumph Ventilation**—Most approved scientific principles correctly applied. All gases are quickly carried off and fresh pure air supplied without drafts or chilling of eggs.

**The Triumph comes complete**—already set up to buy—the Triumph is equipped with famous Wilder Thermometer, strong egg trays, high, roomy nursery, lamp, burner, bracket, regulator and egg tester.

1913 Book Free



**It's a shame!**  
to have lousy chickens and stop their laying when you can drive out chicken lice with  
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One application a year guaranteed to keep your coop free from lice.  
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complete, with double-wafer regulator, high legs, deep nursery, egg-tester, lamp, thermometer and simple directions, all set up ready to run.

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Hatches 90 per cent with least care and expense. Our customers' experience proves this.

Satisfaction guaranteed or no sale. 130-chick Komon-Sense Brooder alone, \$4.00. Incubator and Brooder ordered together, \$10.50. Order direct or send tonight for Free book.

**Komon-Sense Incubator Co.**  
Box 66, Racine, Wis.

Incubator and Brooder \$10.50

Freight Paid East of Rocklee

**Extra Eggs Laid and**

**mean Extra Profits**

**Extra Chicks Raised**

This statement requires no argument! Now plan your work to get more eggs, hatch more and better chicks, carry more chicks to maturity without additional equipment or labor. In other words, increase the efficiency of your entire plant. You can do it easily. This is the way:—Give

**Pratts Poultry Regulator**

to your breeding stock. It will invigorate the birds, bring more eggs with better fertility. That means bigger hatches of husky chicks. Put

**Pratts White Diarrhea Remedy**

in the drinking water for all broods to control this destructive disease and other bowel troubles. Then feed

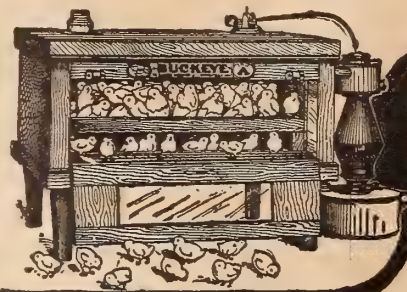
**Pratts Baby Chick Food**

and watch the youngsters grow! It will raise every good chick, and a lot of the weak ones and make them husky and vigorous. Use this combination for better results. Remember

"Your money back if it fails"

Prices: Regulator, 25c to \$9; 25-lb. Pails, \$2.50; White Diarrhea Remedy, 25c, 50c; Baby Chick Food, 25c up. Pratts 160-page poultry book, 10c by mail. Get Pratts Profit-sharing Booklet. Our products are sold by dealers everywhere, or

**PRATT FOOD COMPANY**  
Philadelphia  
Chicago



**Anybody can Hatch Chickens with a Buckeye**

**HATCHING** time is right here. Everybody with chickens is thinking, talking incubators, reading catalogues, seeking information. Here are three most important things for you to determine before you buy:—

**Can I run an Incubator?** Yes, if it is a Buckeye. There are 325,000 Buckeye owners today who operated their own machines successfully the first time.

**Will it hatch every hatchable egg?** The Buckeye is absolutely guaranteed to hatch every hatchable egg. It will not only hatch every hatchable egg, but hatch big, strong chicks that will live and thrive. It means success for you.

**The Price?** You can buy a Buckeye Incubator

**As low as \$8.00**

Under the Buckeye plan we have made it easy, satisfactory and convenient for you to buy by having an agency in your own town. Write us for this firm's name, so you can go right there, see a Buckeye before you buy, see the chicks hatching, and satisfy yourself that it is the machine you want.

Buckeye Incubators are made in five sizes, 60 to 350 eggs and are equipped with every desirable device to hatch strong chicks, using the same principle of hatching and construction as the big 10,000-egg machines.

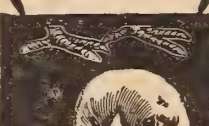
There never was an incubator as popular as the Buckeye. Think of it! Over 325,000 in use—100,000 sold last year—22 years' record.

Write for the catalogue of this incubator that leads. You will be wanting to start your hatches soon. Find out where you can get a Buckeye—go see the chicks hatching and be ready.

**THE BUCKEYE INCUBATOR CO.,**  
501 Euclid Ave., Springfield, Ohio.



**(Get)**



**(Big)**



**(Chicks)**





# BANTA

Here is what the Banta Incubator will do:

- 1—Hatch more chicks. 3—Last year after year.  
2—Hatch stronger chicks. 4—Cost least to operate.

It is the product of 20 years' experience in incubator making by skilled workmen, most of whom have been with us for years. Its price is based on the principle of a dollar's worth of value for every dollar it costs you. Therefore, if you want

## The Incubator

### Giving Years of Service

and giving big, successful hatches right along, investigate the Banta.

We have special agencies in many cities where you can see and examine the machine you want. If we have no dealer near you, we will ship direct.

**The Banta never disappoints.**

We also make a complete line of indoor and outdoor brooders, coops and houses at very low prices.

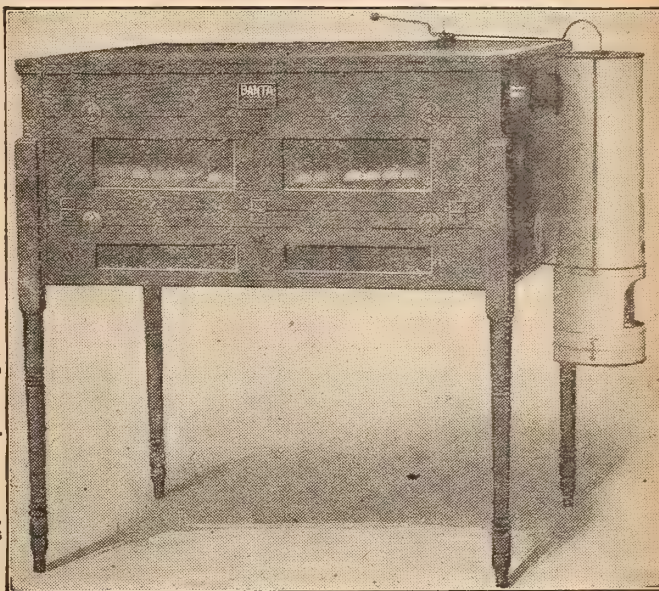
### Send for the Banta Catalogue

Helps you decide how to get the best value for the least money. Shows what are the essentials for getting continuously good hatches and makes you competent to pick out a good machine. Sent free.

**THE BANTA & BENDER CO.**

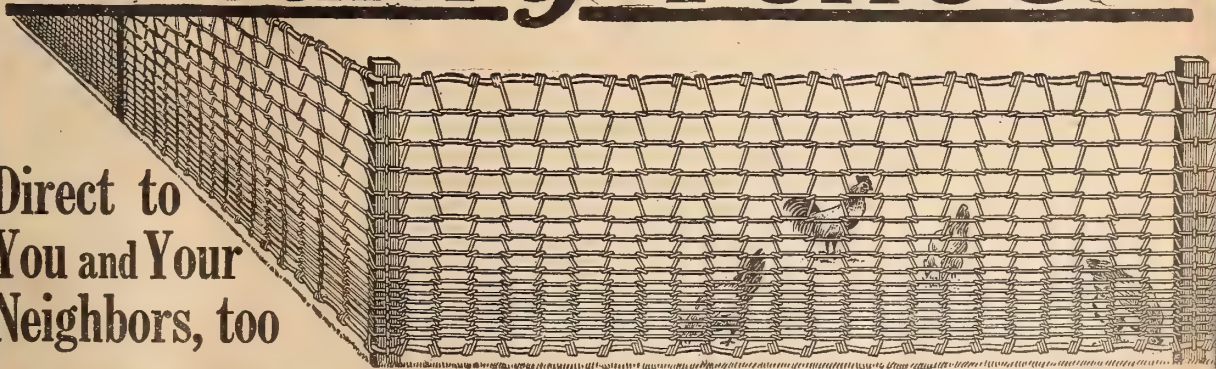
600 Third Street,

Ligonier, Indiana



# Poultry Fence

Direct to  
You and Your  
Neighbors, too



**48 INCHES HIGH 22<sup>1</sup>/<sub>2</sub>c A ROD. 60 INCHES HIGH 25<sup>1</sup>/<sub>2</sub>c A ROD.**

Not a flimsy netting but a fence requiring fewer posts and no base boards or top rail. Spacing between the line wires graduated from 1<sup>1</sup>/<sub>8</sub> inches, at bottom to 4<sup>1</sup>/<sub>2</sub> inches at top. Stay wires 4<sup>1</sup>/<sub>2</sub> inches apart.

Top Wire \_\_\_\_\_ Bottom Wire \_\_\_\_\_ Line Wire \_\_\_\_\_ Stay Wire \_\_\_\_\_

Positively the greatest poultry fence bargain ever offered—you can't afford to buy any other kind.

**48-INCH COMBINED POULTRY AND STOCK FENCE 27<sup>3</sup>/<sub>4</sub>c PER ROD.**

A heavier fence having the same construction as above and while close enough for small chicks yet strong enough to turn stock. Stay or upright wires in this style fence are 6 inches apart and the spacing of the line wires graduated from 1<sup>1</sup>/<sub>4</sub> inches at bottom to 6 inches at top. Following shows exact size of wires used.

Size of Top and  
Bottom Wires \_\_\_\_\_

Line  
Wire \_\_\_\_\_

Stay  
Wire \_\_\_\_\_

**All Fence Sold Direct to You at Factory Prices.**

Large Illustrated Catalog showing over 100 styles of Farm, Poultry and Lawn Fence mailed FREE on request. WRITE NOW—before you forget it.

**KITSELMAN BROTHERS, 295 So. Council St. MUNCIE, INDIANA.**

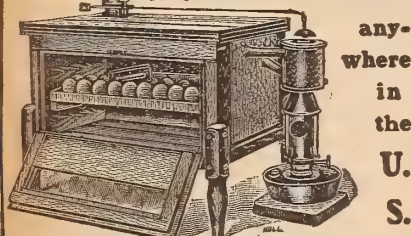




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and disinfecting with the new  
**"Kant-Klog" Sprayer**  
gives twice the results with  
sage labor and fluid. Also for  
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etc. Agents Wanted. Booklet free.  
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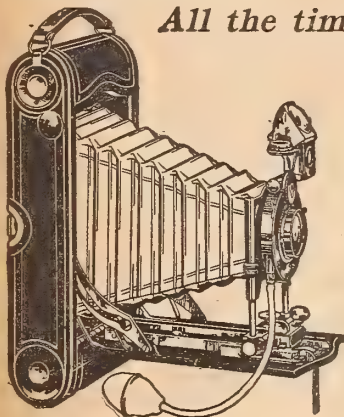


**\$8.50 - 63 EGGS**  
**WE PAY FREIGHT**



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# There are 20 Good Reasons Why to Buy a "Successful" Incubator—

**18 of These Reasons Are  
Found in the Mechanical  
Superiorities. The Others are  
Larger Hatches  
and  
Low Price Offer**

**F**ORGET for a moment that my Success-  
ful Incubators sell for only \$6.75 and up.  
Forget that I've been in the business for  
over 18 years and have gained an enviable  
reputation as a manufacturer of incubators  
successful in performance, as well as "Success-  
ful" in name.

Just read over the list of improvements in my  
hatchers and you'll see why—regardless of price—  
you should be sure to buy a "Successful" for, with-  
out its improvements, other machines are bound to  
fall short of my hatchers—

First, in actual accomplishment; hatching larger  
and stronger and more chicks from same number  
of eggs;

Second, in length of efficient service and reliability  
under all conditions;

Third, in low cost of operation.

You have everything in your favor by starting  
in the money-making poultry business with my  
incubator. I will even go so far as to give you a

## \$25 Poultry Course FREE

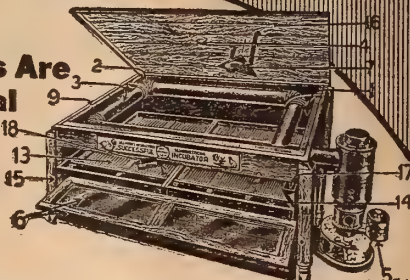
with each machine. This course contains the most  
practical advice ever given. It tells how to pro-  
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to sell them to best advantage; in fact takes you  
from the beginning to end of the business, revealing  
everything necessary to insure you a big success.  
Don't delay another day but write NOW and tell  
me you're interested and I'll send you by return  
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## Successful Catalogue FREE

My book tells you about various incubators and  
brooders. It gives you a good idea of the advan-  
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all exaggeration and tells you just what steps need  
to be taken to make good money from the very  
beginning.



And Up



**Successful Incubators**  
**Life Producers**  
**Successful Brooders**  
**Life Preservers**

**Nowhere Else Can You Find an Incubator That  
Measures Up With These Specifications**

- 1—The Successful is the only machine that heats the colder edges of the body first—like a greenhouse or dry kiln.
- 2—Has round corners on tank giving faster current, more even heat, and better circulation.
- 3—12-oz. copper tank. Heaviest used on any incubator.
- 4—Only hatcher scientifically ventilated. Admits cold air at center of top, the warmest place in any machine. Doesn't create draft which dries out the eggs.
- 5—Safety attachment on lamp burner. Absolute protection from fire. Endorsed by insurance companies.
- 6—Only incubator with two glass doors, through which thermometer may be seen.
- 7—Combination wafer thermostat regulator. Embodying both fluid and metal principles.
- 8—The only machine guaranteed with a guarantee that guarantees and evades no issue.
- 9—Built like a refrigerator.
- 10—Case non-warpable.
- 11—Weights more.
- 12—Cost less per pound.
- 13—Strongest, most durable egg trays.
- 14—Nursery under egg trays. The greatest feature applied to artificial incubation.
- 15—Detachable legs, allowing machine to be stored in very small space.
- 16—The only incubator in the world cabinet made—all corners, all joints dadoed or mitered together thus maintaining all the heat produced in the machine and offsetting the outside changes of temperature.
- 17—Simple, effective application of moisture when necessary.
- 18—Thermometer can be adjusted to bottom of trays just before chicks begin to pick the shell so it's never necessary to open door or pull out the trays to read temperature.

On page 6 of my book you will find the strongest  
guarantee ever placed behind an incubator. Read it  
and you'll never be satisfied to buy an incubator that  
does not promise to do for you what the "Successful"  
guarantees. Write me NOW, before you lay the paper  
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Care and Feeding of Chicks, Ducks  
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**Farm Lands Average Less Than \$17 Per Acre.**  
Undeveloped tracts sell from \$5 up. Beef, pork, dairying,  
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Growers command good local and Northern Markets.

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Georgia So. & Florida Ry.  
territory offers the finest conditions for farms and homes.  
Plenty of rain, mild winters, enjoyable summers. Promising  
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Eggs for hatching, \$5.00 for 15  
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MATING LIST ON APPLICATION. Address

Henry Steinmesch 220 Market Street  
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I have 2 pens of imported English Silvers, one Cockerel mating, one Pullet mating. Will sell a limited number of Eggs from either of these two pens at \$10.00 for 15.

# Ironclad Wins Again

## in National Hatching Contests in 1911 and 1912

Ironclad wins again in the Big National Hatching Contest held by Missouri Valley Farmer and Nebraska Farm Journal in 1912, making two successive years in which the Ironclad has won in this big contest. About 2000 incubators entered in this contest. Read sworn and witnessed statement below:

Lockney, Texas.

Ironclad Incubator Co.,  
Racine, Wis.

Gentlemen:—I am writing to let you know that I won in the 1912 Big Hatching Contest held by Missouri Valley Farmer and Nebraska Farm Journal. I placed 148 eggs in my 140 egg Ironclad Incubator and hatched out 148 big strong chicks. I also took off two more perfect hatches during the season and I wish you could see my chicks, they are doing so splendid. My success has been perfect. I have examined quite a few incubators and I like none so well as the Ironclad.

Respectfully yours,  
R. No. 1, Bx. 35. Mrs. C. F. Merrick.

In face of such a public record as this in which 2,000 other machines contested—machine of every known make, style and price—why take any chances on the machines you buy this season. Can you get any better proof of real genuine hatching ability?

### Sworn and Witnessed Proof

In selecting an incubator what you want is the machine that will hatch the most eggs—is best made—will last longest and cost you the least money. We have given you the sworn and witnessed proof of the first—the best hatching ability. We want a chance to prove the rest right in your own home alongside of any machines made on 30 days trial—money back if not satisfied—freight charges paid both ways—let you act as judge. What more can we offer? We leave it all to you.

## THINK OF IT! THIS NATIONAL PRIZE WINNER 140 EGG Incubator FREIGHT Paid Both Chick Brooder East of Rockies Both FOR ONLY \$10



Think of it! You have nothing to risk. We will send both machines—let you use them 30 days—urge you to compare them in quality of material hatching ability, workmanship and price—and if you don't find them satisfactory, send them back—we'll pay all freight charges and return your money. Read how we make them and then you'll know why they win—why we can put them in competition with any. They have no equal—that's why—even at double the money.

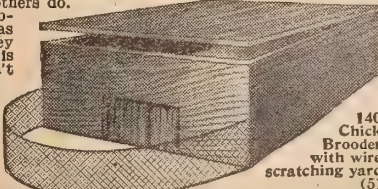
### 5 YEAR GUARANTEE

Imagine this big 140 Egg Incubator made of California Redwood, hot water type with cold rolled copper tank and boiler, triple walls, asbestos lined inside—covered with galvanized iron outside, self-regulating, nursery under egg tray, Tyco's Thermometers, O. K. Burners. Egg tester—complete set up—ready to run with a big 140 Chick Brooder, with wire scratching yard, roomy well made, both for \$10.00, freight paid. Both sold on a 5 year guarantee that insures perfect satisfaction or money back. Where can you equal this Prize Winning Outfit?

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Thousands do every year. Remember, back comes your money at the end of 30 days trial if you are not satisfied. Notice we don't say "as represented" like others do.

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IRONCLAD INCUBATOR CO., Box 17, Racine, Wis.

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Mammoth Collection of Flower Seeds 14c

Makes a garden the envy of everyone. Collection composed of the rarest seeds obtainable in generous quantities.

1 pkg. each Elegant Asters, Lovely Alyssum, Bright Petunias, Brilliant Poppies, Blue Centaurea, Sunny Cosmos.

All for 14c, postpaid. Worth easily 35c.

Above flower collection and six generous packages of choice vegetable seeds—enough to plant a good garden—the two for 25c. Catalog and premium list FREE.

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Did you ever know there was a winter crop—a crop that can net you more in actual dollars than wheat, corn, oats or any of the other grains?

City grocers are asking 60 cents a dozen for fresh eggs, but you know your hens are mighty scarce layers during the winter. What your hens need is a tonic to tone up and make the egg organs active and strengthen the whole system up generally. The use of

## Dr. Hess Poultry Pan-a-ce-a

in the daily rations will bring about these results. It will help you get practically as many eggs in December as you get in June. Its effect is twofold. It makes the egg organisms more responsive and puts vim and vigor into the hen and thus helps her perform her functions more easily. It helps chicks grow and shortens the moulting period. Dr. Hess Poultry Pan-a-ce-a is sold on the guarantee that it must make your hens lay more eggs or your dealer will refund money.

13 lbs. 25c (mail or express 40c); 5 lbs. 60c; 12 lbs. \$1.25; 25-lb. pail \$2.50. Except in Canada and the extreme West. If your dealer cannot supply you, we will.

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Winners at Pittsburg, Pa., Kittanning and other leading shows. A few breeders for sale. Eggs for hatching, \$5 per thirteen. Write your wants.

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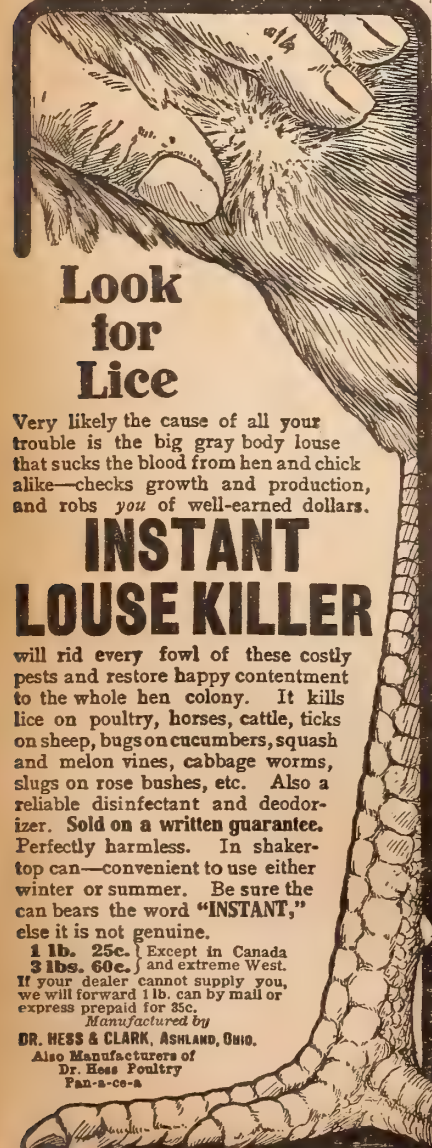
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Very likely the cause of all your trouble is the big gray body louse that sucks the blood from hen and chick alike—checks growth and production, and robs you of well-earned dollars.

## INSTANT LOUSE KILLER

will rid every fowl of these costly pests and restore happy contentment to the whole hen colony. It kills lice on poultry, horses, cattle, ticks on sheep, bugs on cucumbers, squash and melon vines, cabbage worms, slugs on rose bushes, etc. Also a reliable disinfectant and deodorizer. Sold on a written guarantee. Perfectly harmless. In shaker-top can—convenient to use either winter or summer. Be sure the can bears the word "INSTANT," else it is not genuine.

**1 lb. 25c.** Except in Canada  
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If your dealer cannot supply you, we will forward 1 lb. can by mail or express prepaid for 35c.

Manufactured by  
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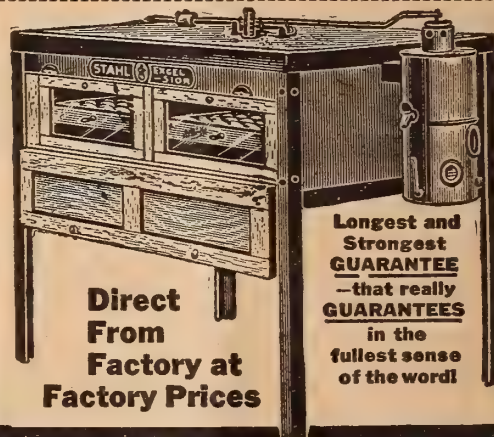
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**STAHL'S EXCELSIOR INCUBATOR** is not the product of a day or a year, or ten years—it is the result of 36 years of hard work, constant thought and extensive experimenting. It is the result of a fixed aim of Mr. Stahl to make his incubator perfect. Since 1877, when Stahl invented the first artificial hatching machine, he has secured over 50 patents for improvements. And these improvements are what now make Stahl's Excelsior the simplest, surest, safest, most economical and *most durable* incubator on the market.

### These Advantages

The heating system is the only one that keeps every inch of the egg chamber at a uniform temperature. Thousands of tests under thousands of conditions *prove* it. It's different from others—and just *where* it is different it is *better*. The regulator is a thermostatic *bar*—not a disc. The bar is *more sensitive* than the disc—so the slightest variation of heat in the egg chamber of Stahl's Excelsior is immediately regulated. The thermometer is placed in such position that the mercury comes in contact with the heat in the egg chamber *without* resting on the eggs—and the *scale is on the top of the machine*, so it can easily be read *any time* without opening a door or even trying to look in a darkened egg chamber.

Automatic egg turner—eggs turned without touching them or moving tray. Fire-proof heater—fire simply cannot get out of the heater. Fire-proof lamp—cannot be filled while lighted. Smaller consumption of oil—patented heater uses every particle of heat. Superior frame construction. Double glass doors. Large, roomy, comfortable nursery.

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It tells all about the advantages in Stahl's Excelsior Incubator—the result of 36 years of experience. Send a postal now—it will save you money, will insure greatest hatches and biggest poultry profits for you. Address

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Are extra strong, healthy birds, in shape, size and lacing. Raised on fine open range. Excellent good layers. Stock and eggs for sale. Write just what you want and we will be pleased to quote you prices.

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**The Kind That Produce and Pay. Eventually You  
Will Buy This Kind. Why Not Buy Now?**

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**EGGS FOR HATCHING**—Either variety. \$2 per fifteen, \$3.50 per thirty, \$5 per forty-five, \$10 per hundred.

**BREEDING STOCK**—Fifty S. C. Rhode Island Red cockerels, sure to improve vigor and laying quality of your flocks, \$5 to \$15 each. White Plymouth Rock or Rhode Island Red females at \$3 to \$10 each. Cash must accompany all orders.

## WOZELMA FARMS PRODUCING COMPANY

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# WINNERS AND BREEDERS THAT PRODUCE THEM

**A Sale of Merit Worthy Your Attention**



## S. C. Buff Orpingtons

In placing your order it is well to remember that blood lines must be considered, and your success depends on the quality of the offspring sired parent birds. Our winners are line bred winners and our breeders produced by them. Year after year our breeders have produced many of the noted winners at the greatest shows in America, and in the hands of customers they are winning the blue in all parts of the country. Now we are offering you

### Young Stock—Bred from Line Bred Winners

We can fix you up with a cock, hen, cockerel, pullet and pen to meet any competition and they will produce winners. Then we have excellent breeders in both young stock and yearlings that can win at the smaller shows, which we are selling at a sacrifice. No matter what you need, or what you want to pay, let us quote you prices.

## ROSELAND POULTRY FARM

CHAS. W. SWITZER, Proprietor : : SOUTH EUCLID, OHIO

# Buff Wyandottes

Exclusively—Young and yearlings.

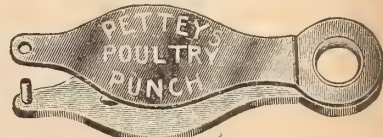
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O. A. Browne VanWie and Logan Sts Rockford, Ill.

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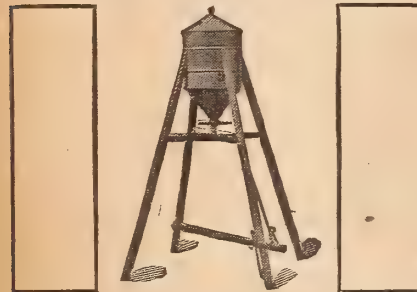


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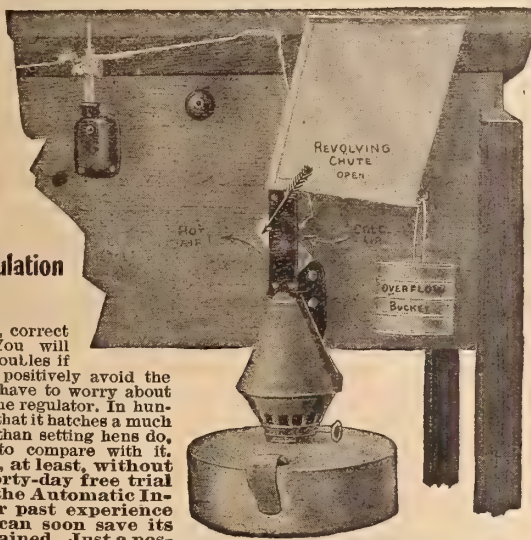
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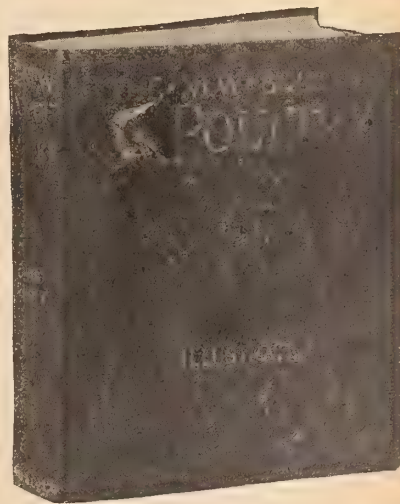
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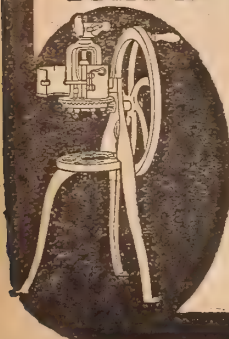
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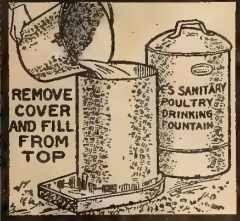
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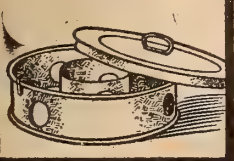
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### Fourth Pullet Bred Cockerel, Chicago, Ill., Dec., 1912

Eggs \$3.00 per 15      Eggs \$7.50 per 50  
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Prize Matings \$4.00 per 15 Straight

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1st Pullet, Indiana State Fair, Sept., 1912



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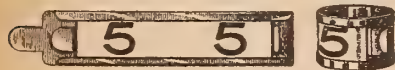
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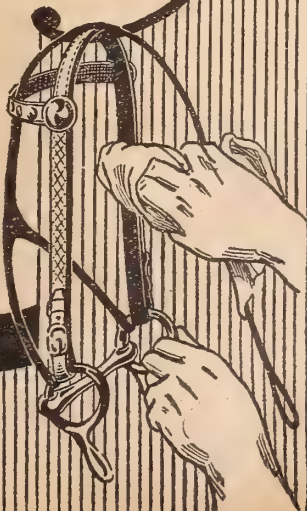
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on Large  
Sifter Can—  
10c.



*White Diarrhoea!*

J. C. Fishel says it does the work. Big box 25 cents. Nabob Remedy Co., Box 1, Gambier, Ohio

**ANCONAS**

Farm grown, free range. Blue ribbon winners at all the shows. APA Silver Medal. At Madison Square 11 of our birds were placed in the awards, at Philadelphia 10 in open classes; 1st; 2d; and 3d pen; at Baltimore, 1st; and 2d cock; 1st cockerel, 12 birds placed. Camden, N. J., 1st and 2d cockerel, in class of 11 cockerels. Eggs from this stock at half the price others ask. When writing mention A. P. J.

A. E. WOHLERT : ROUTE 8 : NARBERTH, PA.

**Build Your Own Brooders**

by ordering plans and instructions "How to Build Beck's Economy Brooder Coop." The missing link between the incubator and hen house. The cheapest and most durable outdoor brooder coop on earth. Can be built by anyone ordering these plans. Cost of materials \$2.40 to \$3.50 per coop. Rat and storm proof; removable floor; easily kept clean. Chicks will be stronger, death rate lower. Can also be used for breeding pen or colony house. Capacity 120 chicks, or 6 breeding hens, or 50 growing chicks. Blue print plans and instructions, \$1.00. Address R. L. Beck Box 25 Sullivan, Wisconsin

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Order your egg boxes NOW.

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A wonder indeed! in growth, in excellence, in productiveness. Berries large and luscious, bears in clusters, like a grape for two months. A single plant has yielded over two bushels in a year. Headquarters for St. Regis Everbearing, the best red Raspberry, and Caco by far the choicest of all hardy Grapes. A full assortment of Strawberries, Raspberries, Blackberries, Grapes, Currants and Gooseberries: Garden



Roots, Hardy Perennial Plants, Shrubs, and Vines. Evergreen and Shade Trees, Roses, Hedge Plants, etc. Illustrated descriptive catalog replete with cultural instructions free to everybody. Establish 1878-200 acres; quality unsurpassed; prices low.

**J. T. LOVETT**

Box 149 Little Silver, N. J.

SPECIAL MATINGS \$5 PER 15



FINE CKL. MATING EGGS \$2. PER 15

**Ringlet Barred Rocks**

We sell eggs from all our matings. Quality that will please knowing ones. Highland Poultry Farm, Fred Erdman, Normal, Ill.



# DON'T KILL THE LAYING HEN



**T**HE HEN that lays is the hen that pays. Hundreds of thousands of hens are killed each year that are in full laying condition, while an equal number are kept in the flock that never have or never will lay an egg, or at best will lay only a very limited number. All this may be avoided if everybody would use the Potter System of telling the layers from the non-layers.

## Cull Out the Drones and Save on Feed

Why should the poultry breeder go on wasting feed by feeding a lot of hens that do not produce enough eggs in an entire year to pay for their feed for one week, when it can be avoided by learning the Potter method of telling to an absolute certainty just which hens are the producers and which are the drones in the flock?

If you know the Potter System you can reduce the size of your flock and save money on your feed bill, and at the same time secure just as many eggs at from one-third to one-half the cost. Is not this worth considering?

The Potter System is the only reliable system on this subject, and anyone can learn it in an hour's time, and we guarantee that anyone with a little practice can go among a flock of fowls and pick out the layers as rapidly as the birds can be handled. We have thousands of unsolicited testimonials from people who have purchased our book "Don't Kill the Laying Hen" and learned how to pick the layers and who consider the book worth many times the cost. Read what a few of them have to say:

## TESTIMONIALS

3095 W. 100th, Cleveland, Ohio.

Gentlemen:—Having received one of your books regarding the laying hen, I am pleased to say that it has done a great deal for me and would not part with it for many times what it cost if another could not be had. Yours truly, JOHN VAN SCHOAR.

304 Grand Allee, Quebec, Canada.

Gentlemen:—I received your book "Don't Kill the Laying Hen" some time ago. I am very much pleased with it and think it the best book I have ever read and would not be without it for any amount you would ask for it, and think every person that keeps fowls should have a copy. Yours truly, ED. ARCHER.

Wellsville, N. Y.

Gentlemen:—I received your book on "Don't Kill the Laying Hen." Will say that it is all you claim it to be and that it is no fraud. I went out to the hen house last night and tried the test. It worked to perfection. I predicted that a few hens would lay the next day, and sure enough some of them have laid. Very truly yours, WM. H. LEO.

Jutland, N. J.

Gentlemen:—Yours at hand and am glad that you have notified me of your new book of the system of selecting laying hens. Your old book has saved me many a dollar on feed bill, besides giving me more room for the layers. I would not be without this book for any money and am glad you have added more to it. Yours truly, M. V. TAYLOR.

977 Wilcox Ave., Chicago, Ill.

Gentlemen:—I must say your book "Don't Kill the Laying Hen" is valuable to any poultry keeper; it is worth its weight in gold and your system reliable in every way. I am more than pleased with it. I have told some of my friends about the system and they got the book and are pleased with it. Yours truly, JOHN MOYER.

Box 105, R. R. No. 1, Charlestown, Ind.

Gentlemen:—I am ashamed that I have allowed almost two years to pass without writing you how thoroughly I endorse and value your book "Don't Kill the Laying Hen." The only thing I don't like is I can't tell my poultry friends all it has taught me. I would not be without it for many times its cost. We frequently ship fifty or sixty hens and get as many eggs as before, showing we had not shipped laying hens. It saves me a trip to the poultry house at night to know which are broody hens. At feeding time I examine all hens on the nest and shut up the broody hens. Yours very truly, MRS. B. R. McCONNELL.

Deer Creek, Okla.

Gentlemen:—Your letter and circulars to hand and contents noted. Yes the best I can do is to have the new book "Don't Kill Biddie." It has made me one hundred and ninety dollars and still making more, and only a few chickens, from 70 down to 44 now. I'm running two machines and selling enough to support me and living like Queen Victoria. Yours truly, G. W. NORMAN.

Tucson, Ariz.

Gentlemen:—Your book in regard to the laying hen received. It is well worth the price. Anyone owning a small flock of chickens ought to have one. Yours truly, J. A. GORDON.

614 Boos St., Harrisburg, Pa.

Gentlemen:—I received your book on "Don't Kill the Laying Hen" and must say it is all it is claimed to be and more. Yours truly, GEORGE J. GRIFFEE.

Lincoln, Kansas.

Gentlemen:—Your book "Don't Kill the Laying Hen" is just the thing for a poultryman. I don't see how I got along without it. I would not part with the knowledge gained from it. Yours truly, MRS. IDA MEIER.



# THE FOURTEENTH EDITION OF THE GREAT POTTER BOOK

is just off the press. Revised and improved to such an extent that it is now without question the **greatest book** of its kind ever published. This book contains 96 pages, (6½x9 inches) and 38 illustrations; printed on super-calendered paper, bound in two kinds of binding—paper and cloth. Will make a very valuable addition to any poultryman's library. In fact, no one who raises poultry, no matter how many or how few, can afford to be without a copy of this great book. The secret this book contains is worth many dollars to anyone.

More than 100,000 copies of this book have been sold during the past few years, which in itself is conclusive evidence of the value of this book. When ordering a copy of this book you must promise not to reveal the secret to anyone except the immediate members of your family. The secrets it contains cannot be obtained from any other source. Everyone who receives this book is pledged not to reveal them to others. Therefore, it is to your interest to obtain a copy of this book at once and become a member of Potter's great "secret" family, stop killing the laying hen, thereby greatly increasing your poultry profits.

The Potter System of telling the laying hen has stood the test of time. It has been advertised in these columns for the past eight years, and during that time thousands of copies of the book have been sold and thousands of poultrymen all over the country have been enabled to turn loss into profit and thousands more can do the same thing if they will take advantage of the following offer:

## How to Get the Great Potter System

Realizing the great importance of this system to all poultry breeders the American Poultry Journal Publishing Co. has secured the exclusive right to print and sell this great work, and the benefits to be derived from system will be given to American Poultry Journal subscribers only.

## OUR GREAT OFFER

In order to supply every poultry breeder with the great Potter System and the greatest poultry journal on earth, we have put the price within reach of all, as follows:

Don't Kill the Laying Hen (Paper Cover) } BOTH FOR  
American Poultry Journal, one year . . . } **\$1.30**

For the Cloth Bound Edition, \$1.50

## A History of Eight Non-Laying Bob-Tailed Hens and One That Was Not Bobbed

Including valuable scientific facts regarding molting. A supplement to "Don't Kill the Laying Hen." This supplement gives the story of One Hen that was not bobbed; the story of the first four non-laying bobtailed hens; the other four non-laying bobtails; how hens having red combs are deceiving; forced molting bad business; how the laying season may be extended and many more eggs obtained, or why hens having good laying organs stop laying early in the season, and much other valuable information which is worth far more to the average breeder than the small price we are asking.

If after a careful study and trial of the system you find that we have misrepresented this system in any particular, money will be cheerfully refunded. We have given this system a thorough investigation and know whereof we speak. If you are already a subscriber to A. P. J., we will extend your subscription one year from its present expiration. Send all orders to

**AMERICAN POULTRY JOURNAL PUB. CO.**  
542 SOUTH DEARBORN STREET : : : CHICAGO, ILLINOIS



**Carver's Red Farm, Seville, Ohio, See Ad On Next To Last Page**

## POLEY'S WORLD'S BEST BUFF ROCKS

**Greatest Victory at Madison Square Garden, N. Y., January, 1913**

Winning four firsts, two seconds, one third, two fifths and all shape and color specials and as many points for best display as all of our competitors combined, in the largest class of Buff Rocks ever shown at the Garden and our winning birds were pronounced to be the finest ever shown at the Garden. If you are interested in one of the most beautiful and profitable fowls that is bred get our catalogue and mating list, in regard to our stock, eggs and baby chicks, we have to offer you. We are the largest breeders of high class Buff Rocks in the world.

**Linfield Poultry Farm, Jno. W. Poley, Manager, Box R, Linfield, Monmouth Co., Pennsylvania**

## MISS CAREY : TOYNTON, SPILSBY

# ENGLAND

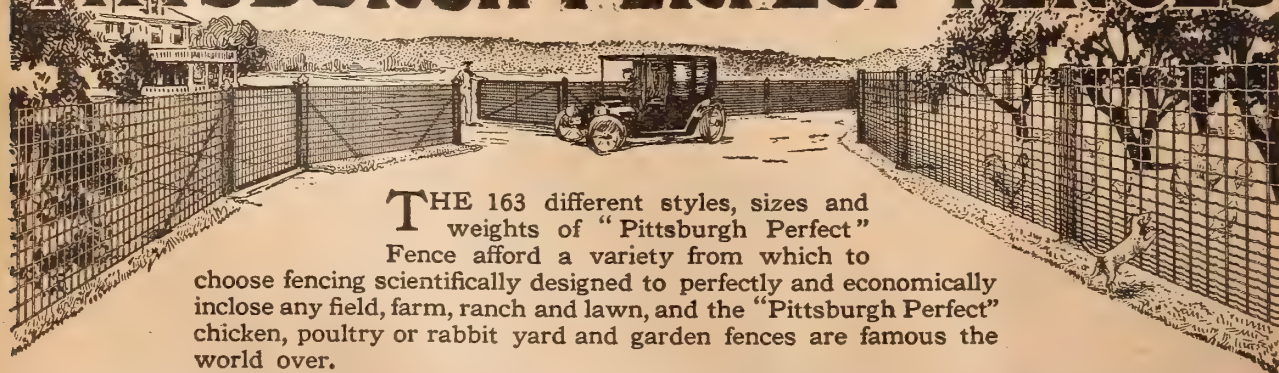
## CAMPINES AND WHITE FAVEROLLES

## BUFF, WHITE, BLUE ORPINGTONS

These yards have now earned a world-wide reputation as one of the finest stock breeding yards in existence. For some time past United States of America, Canada, South America, South Africa and Australia have been drawing a considerable quantity of valuable breeding stock from my pens each year and recently many of the leading governments abroad have written to inquire for stock for the government farms.

My Campine and White Faverolle studs will rank as my Orpington studs have done during past years among the very first, for I handle nothing but the very finest quality whatever I take up and do not expect or breed inferior stock. My yards always open to visitors and which are visited now by fanciers all over the world are the finest advertisement I hold in this country, and the fact that for the past five years my stud has made a record untouched by any other in cups and honors at the Dairy, Palace and Club Shows. Stock birds, \$5, \$10, \$15, \$25 and \$60. Trios and pens, \$35, \$60 and \$100. Eggs, \$5, \$10 and \$15 per fifteen; infertile replaced. **Agents Wanted**—I am prepared to rear large quantities of stock in any of these new varieties and deliver from July onwards.

## "PITTSBURGH PERFECT" FENCES



**T**HE 163 different styles, sizes and weights of "Pittsburgh Perfect" Fence afford a variety from which to choose fencing scientifically designed to perfectly and economically inclose any field, farm, ranch and lawn, and the "Pittsburgh Perfect" chicken, poultry or rabbit yard and garden fences are famous the world over.

When buying fence, select that style specially made for your particular purpose, for in this way only can you experience greatest fence-efficiency and satisfaction at lowest cost. "Pittsburgh Perfect" Fences, made of heavily galvanized Open Hearth Wire, with every joint **WELDED BY ELECTRICITY**, excels in strength and durability, and invests your property with a distinctive appearance of neatness and prosperity.

**EVERY ROD GUARANTEED PERFECT**

Dealers everywhere sell "Pittsburgh Perfect" Fences. We will gladly send free our complete catalogue showing all styles and sizes, and giving valuable information on fence-building, etc. Write for it today.

## PITTSBURGH STEEL CO., PITTSBURGH, PA.

Makers of "Pittsburgh Perfect" Brands of Barbed Wire; Bright, Annealed and Galvanized Wire; Twisted Cable Wire; Hard Spring Coil Wire; Fence Staples; Poultry Netting Staples; Regular Wire Nails; Galvanized Wire Nails; Large Head Roofing Nails; Single Loop Bale Ties; "Pittsburgh Perfect" Fencing.





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**Biggest Price Wrecking Sale**  
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An excellent opportunity to  
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Never again will such remark-  
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### ROOFING

### Smashing Bargains

### FENCING

#### Corrugated Steel Roofing

##### 1 1/4c Per Square Foot

Here is the chance of a lifetime to buy the best roofing in the world, at a mere fraction of its real value. Our enormous buying power enabled us to pick up for spot cash a stock of this brand new, perfect corrugated, "V" crimped and Standing Seam Roofing and Brick Siding, at a tremendous sacrifice—way under what it is actually worth. Immediate cash needed made possible this purchase. Just another chapter added to the long list of our famous bargain sales.

#### Corrugated Steel Roofing

##### Practically Indestructible

There is nothing else that compares with corrugated steel roofing for real protection. It makes a long, lasting roof. Is fire, rain, frost, wind, sun and lightning proof—warmer in winter—cooler in summer; and under ordinary circumstances does not leak, rot or warp, neither does it faint rain water. You can depend upon it that Corrugated Steel is the best material for roofing, siding and ceiling.

At 1 1/4c per square foot, we furnish our grade AB-700 Steel Roofing, in sheets 22 x 24 inches x 1 1/2 inches. This price is delivered on board cars at Chicago.

#### Galvanized Steel Roofing

##### 2 3/4c Per Square Foot

Another big Steel Roofing Bargain. Several thousand squares of the very highest grade specially coated, corrugated, galvanized roofing and siding, made of specially prepared steel, of superior quality. Best roofing, and will last indefinitely. We will furnish it in suitable lengths for any purpose. Only a limited quantity on hand, so we urge you to send us your order immediately. Don't wait to write us again—order today, while this stock exists. Price only 2 3/4c per square foot, and will outlast 4 to 1. Just drop us a line, and tell us the size of your studding and general facts, and we will help you to select proper sheets. If you are not ready to use the material now, we will reserve it for future delivery. If you will give us a small deposit on account. This price of 2 3/4c per square foot is for our Lot AB-800 corrugated material, and is delivered on board cars at Chicago. If you prefer some other style, we will furnish it. We have this same grade in "V" crimped, Standing Seam and Brick Siding. Samples on application.

#### Ready Roofing With Supplies

##### 62c Per 108 Square Feet

We have several thousand squares of a superior quality Ready Roofing, which we are offering in our AJAX BRAND, 1-ply, at a price of 62c per square of 108 square feet, including necessary cement and caps to lay it. This is undoubtedly the most remarkable bargain ever offered in Ready Roofing. This famous brand is put up 3 or 4 pieces to a roll. The price of 62c per square of 108 square feet is loaded on board cars at Chicago. We will, however, make a freight prepaid price on this same grade of roofing, including nails and necessary cement of 50c per roll of 108 square feet, and at this remarkably low price

#### We Pay the Freight

In full to any point east of Kansas and Nebraska and North of the Ohio River.

We will also furnish 2-ply, at 90c; 3-ply, at \$1.05. This Ajax Roofing is guaranteed to wear as long, and give as good service as any Rubber Surface roofing on the market.

#### Send for Special Roofing Catalog and Samples

Write at once for our Special Roofing Catalog. Free samples and full instructions for laying roofing.

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The Chicago House Wrecking Company known to the commercial world as the "Great Price Wreckers" is easily acknowledged the bargain house of the earth.

Our Mammoth plant covers 40 acres, and our list of customers are numbered by the hundreds of thousands, and include people from every walk in life. We sell practically everything under the sun at unbeatable prices. We buy our goods at Foreclosed Sales, taking advantage of Sheriff's, Manufacturers' and Auction Sales. In this way we can sell brand new, clean high-grade goods at prices, in many instances even less than the cost of manufacture.

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Our capital stock is \$2,000,000. Any bank or Commercial Agency, or any publisher or will confirm our responsibility. We have advertised in this paper for many years. Ask its publisher what he thinks of the Chicago House Wrecking Co.; get his personal opinion of the values and our square methods of doing business. We guarantee each and every article that we sell to be exactly as per our representations. Should you buy anything from us that fails to come up to our representations, or does not agree with your expectations, we will take back such unsatisfactory merchandise at our freight expense. We want satisfied patrons.

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Complete houses and barns at an enormous saving. Never before in the history of Building Material has such an opportunity existed. We offer high grade, brand new complete lumber and building material needed for the construction of houses and barns at lower prices than ever before.

#### 20,000,000 Ft. of New Lumber at Our Yards and Warehouses Ready for Quick Delivery

We have upwards of twenty million feet of first class, brand new lumber for the construction of buildings of every kind. A wonderful stock of the very finest millwork, interior trim, etc.—enough material to construct cities and villages everywhere. It is our determination that 1913 will be the "Banner Year" in the history of our Great Lumber and Millwork Department, and that we will accomplish this, by quoting prices that undersell any possible competition. The proof of this is in our catalog and literature.

Write today and tell us what you contemplate improving or building during this Spring—talk to us plainly, and we promise you the advice straight from the shoulder. No other concern in the world is equipped such as we are. Right in our main yard and warehouses, at Chicago, we can load you out complete, at one time, and in one carload, every single article required for the improvement of the building you have in mind. No where else can you go and get such service.

#### Personal Service To You

You can get the kind of service that will give you absolute satisfaction—satisfaction from the word "go." If you have ideas of your own as to the kind of building that you want, we will give you the benefit of the Greatest Architectural Department in the world. We furnish you with plans according to your own ideas, and will quote you a price on the material that will make you a wonderful saving. Dollars saved are dollars earned.

Write today for our Book of Plans and Latest Catalog of Building Material and Supplies.

#### Brand New WIRE FENCING

##### Less Than 1c Per Running Foot

Biggest of all offers of the past. We come to you with the most wonderful proposition ever known, and offer you the very best woven wire fencing at a fraction of its real value; lower in price than ever before, not withstanding that all other merchants and manufacturers have advanced their prices on fencing. We are determined to simply get all the business in sight, and with that in view, we bought up from manufacturer's sales, 150 carloads of High Grade Woven Wire Hog, Cattle, Field and Poultry Fencing, Barb Wire and Nails, in quantities sufficient to take care of our regular customers and those who will quickly respond to this advertisement.

#### Barb Wire Less Than 2c Per Rod

Galvanized, two-point Barb-Wire, full weight (not the light kind) put up regular on spools, containing about 100 lbs. to a spool. It is made of No. 12 wire, with good weight barbs. Price per 100 lbs. during this sale, only \$1.95. Order by Lot No. AB-600. Several thousand spools of this Barb Wire. Painted, price per 100 lbs. \$1.75. Order by Lot AB-500. Also have in stock 1000 spools of light weight, new galvanized barb wire, put up 80 rods to the spool, made of No. 14 galvanized wire. No. 15 barbs, barbs 5 inches apart; price per spool of 80 rods \$1.45. Lot AB-400. We also have several other bargains. You never had a chance like this before, and we advise that you send us your order today. Don't wait until the material is sold—we cannot hold this quotation open.

#### Galvanized Hog Fencing AT A MATERIAL REDUCTION IN PRICE

100,000 rods of 26 in. Galvanized Steel Spring Wire, 26 in. high, hog fence, put up in 10, 20, 40 and 60 rod rolls, made with 7 bars, spaced 12 in. apart, with No. 9 top and bottom wires. No. 11 intermediate wires, heavier than the regular fencing offered. Price per rod, during this sale, only 15c. Order by Lot AB-900. Same fencing spaced 6 in. apart, per rod during this sale, only 21c. Order by Lot AB-1000. Other heights at proportionately low prices.

#### High Grade Poultry Fencing 48 in. High PER ROD 27c

A complete stock of all heights of Woven Wire Fencing for every purpose. Do not delay your order, but send it in at once, even if you are not ready to have it shipped. We will hold the material ready to deliver when you want it.

#### Several Carloads of Galvanized Wire Shorts

This is smooth wire, put up 100 lbs. to a coil, first-class for general use. Comes in sizes from 6 to 15 gauge. Price for 9 gauge, \$1.25 per 100 lbs. Lot AB-1200. Other sizes in proportion.

#### Some Big Bargains in Nails

At last we have the bargain of bargains. 10,000 kegs of genuine galvanized wire nails; will outlast all other kinds. Put up in regular kegs. Price per keg of 100 lbs., as follows:—

10 pennyweight, \$2.00      8 pennyweight, \$2.10  
6 pennyweight, \$2.15      Shingle Nails \$3.00

Also 5,000 kegs of Nails, mixed all kinds in a keg; good assortment, handy to have around your workshop. During this sale only, per 100 lbs., \$1.45. Order by Lot AB-1100. We have other bargains in nails.

Also, in this same job, we have 5,000 kegs of Fence Staples, galvanized; per keg, \$2.00. Lot AB-1400. Crimped wire for reinforcing, cut to any desired length; per 100 lbs., \$2.25. Lot AB-1300.

We have bargains in every line. Write us today for our Wire and Fence Catalog, but the best thing for you to do is to send your order now, and we will hold for shipping instructions.

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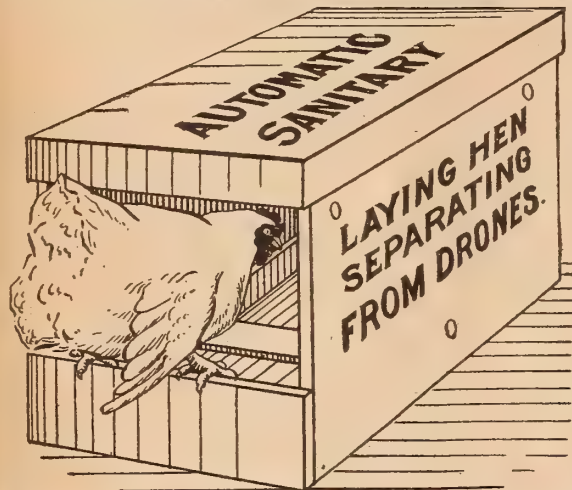
# Bean's Columbian Rocks

Sensational Winners at the Club's Annual Exhibit, Phila., Dec., 1912

Winning in a large and strong class every first prize offered, and a majority of all. They also won the special for best display in the American class. Their winnings last year formed the best record ever made on any variety, and they promise to surpass everything, for they are better than ever. Their practical worth as layers has again been demonstrated to our satisfaction. They are result producers. Special: I am offering special mated pens of five (5) birds, bred from my best matings, at \$23.50. Larger lots at same reduced prices. Start now with Beans Columbian Rocks and be satisfied. Circulars free.

F. G. BEAN -- BOX A -- COLLEGEVILLE, PA.

## AUTOMATIC SANITARY TRAP NEST



1913

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## The Best is the Cheapest

THIS NEST requires none of your time or attention, no waiting for hen to lay or resetting of nest. Operated as well and better by the hens during your absence than if present to disturb them. It saves time, labor and feed by selecting the good layers from the culls and drones. The good layers produce the hatchable eggs and strong, healthy chicks. All leading breeders are using the trap nest. We are sending them everywhere. Made of galvanized sheet metal, are sanitary, vermin-proof and will last a life time. Write for free booklet or agency or both. Address

Automatic Sanitary Trap Nest Co., Duluth, Minn.

## Banner Poultry Fence



For Sale by Dealers Everywhere  
Descriptive Catalogue Sent

American Steel & Wire Co.

Chicago New York Cleveland Pittsburg Denver

BANNER POULTRY FENCE is an improved square mesh Poultry Fence of great strength, durability and closeness of mesh—a fabric for fencing poultry yards having all the advantages of old style poultry netting with none of its disadvantages—a fabric especially designed to hold all the poultry, from the chick to the grown bird, and shut out small animals. Made of LARGER wires, STRONGER, more DURABLE and SIGHTLY; in fact, a BETTER article at NO increased cost.

BANNER POULTRY FENCE, which we have just placed on the market, meets every requirement of a satisfactory fence for poultry. The spacing between the six line wires at bottom of fence is only  $1\frac{1}{2}$  inches and gradually increases to  $3\frac{1}{2}$  inches at top, so the essential feature of a satisfactory poultry fence—closeness of mesh—is well taken care of in this fencing.

The 4 ft. height, design 2748, has 22 lines or horizontal wires, which are two or three wires more than any other design of poultry fence on the market. The upright wires or stays run continuously across the fence and lock firmly around the intersecting line wires in a loop knot, forming a smooth, solid joint without any sharp, rough edges.

BANNER POULTRY FENCE is easily erected, holds, taut and trim, standing up without sagging; fewer posts are needed, and no top or bottom rails. Posts may be set a rod apart, and if the fence is well stretched it will be strong and effective. It can safely be used next to pasture, as it is amply strong to stop stock as well as confine all small animals. The wire from which it is made is hard, tough and strong, so the fence retains its shape when properly erected. It stretches up like a field fence over any kind of ground. The user of BANNER POULTRY FENCE can make his poultry yard fence just as neat and attractive as any other fence on the place at a saving over the cost of erection of the old style poultry yard fabric.

The many advantages of this new BANNER POULTRY FENCE are making it very popular.



# BYERS STRAIN ORPINGTONS

**BUFF, BLACK AND PEARL WHITE**

During Jan'y I offer and will deliver, the best \$10 and \$15 cocks and cockerels, the best \$35 and \$50 pens, that I have ever known to be shipped for this money, and I know what the other fellows are furnishing for these figures. Absolute satisfaction is guaranteed you. Give this your prompt attention, for Jan'y purchasers are going to get my seasons best values.

**C. S. BYERS**

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**ORPINGTON SPECIALIST 14 YEARS**

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**HAZELRIGG, INDIANA**

## S. C. Rhode Island Reds

**THE VERDICT IS IN, AND VICTORY UNPRECEDENT IS OURS**

At the great Philadelphia Show, Dec., 1912, my line of S. C. Reds won the leading and classy prizes of the entire show, in competition with all birds shown. They won 1st cockerel, 1st hen, 2d and 3d pullets and 1st pen in a class of 122 birds. My 1st prize cockerel was awarded the cup for best cockerel in the entire show, with every one of the 4000 birds competing. He also won color and shape specials with other specials for my entire entry. At Cleveland, Ohio, January, 1912, my 1st prize pen was the sensation of the show, judges and breeders saying they never saw one like it for quality and evenness. Write me your wants. If you want quality birds or eggs for hatching, I can supply you. Absolute satisfaction assured to all. Mention American Poultry Journal when writing.

Schenley Heights Poultry Yards, C. F. Rankin, Prop.

: 316 Fourth Avenue, Pittsburgh, Pa.

## ETZENSPERGER'S REDS OF QUALITY

**WON AT CHICAGO, DECEMBER 12 TO 18, 1912**

2d S. C. pen, fourteen pens competing; 2d cock, thirty-two birds competing; 4th pullet, thirty-eight birds competing; 5th R. C. pen, thirteen competing; 3d pullet, forty-one competing. The hottest class of Reds ever got together. All my old birds that produced these prize winners together with winners this year will be used in my breeding pens this year. My 1910 first Chicago cock bird is the same bird winning 2d this year, he producing some of my best winners, showing what blood lines will do. Also having ideal shape and color. Have a few cockerels, cocks and pullets for sale at the right price. Please mention American Poultry Journal when writing.

**W. Etzensperger**

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**Box E**

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**Willoughby, Ohio**

## Poultrymen Have Confidence In The Globe Incubator---

because all the value---all the invested money is put into the machine itself. We put all the money in the machine. We have never made a statement that was unsound or shaky. Everything we say about the "Globe" is truth---positive fact backed up by seventeen years of a wonderful success. Don't be misled by those low priced machines. You know it takes a great deal of yelling to sell anything that's below standard. We have never had to advertise in that way in our life. The Globe's reputation sells it. It is a standard machine---one that you can depend on.

Thousands and thousands of both men and women have been "stung" by purchasing a machine that looks nice in the picture because the man selling it shows a nice big photograph of himself. It is interesting to note that every user of the "Globe" (and then there are thousands and thousands) is today making money just as fast and practical as it is possible to do in the poultry business. And the best proof that our Incubator principles are scientifically correct is the fact that we make Infant Incubators for physicians. Read our large 1913 Poultry and Incubator Catalogue and see what we have to say about our Infant Incubators. This big book has hundreds of testimonials. This is a mass of evidence---solid facts that are the best guide you can obtain. We want you to read them over. See how enthusiastic these people are about the Globe Incubators. Let them tell you in their own words how successful their poultry business has been since they used the Globe Incubator and Brooders. See below for further information about this catalog. Here's a few further words about these wonderful machines and what they are made of.



Send your order at once. Don't miss this remarkable opportunity. And remember when you buy the Globe Machine you are getting real value.

### Poultry and Incubator Book

Send us 15 cents for our big complete book on Poultry, Incubators, Brooders, Poultry supplies. We will save you many dollars. It has more real information than a whole library of Poultry books. It shows everything that is required to make a poultry farm a success.

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### The Standard 200-Egg Globe, \$18.00

This is without doubt the most carefully built incubator made. It is made of specially selected lumber---each piece picked. Has a most superior hot water heating system and this system is exclusive in the Globe. The pipes that carry the hot water through the egg chamber are made of regular gas steel tubing so that they are absolutely air-tight and water-tight. Insulation is the most thorough ever found in any machine. Regulation system is controlled by what is known as the Compound Double Hydro Water. Tanks, trays, lamps, etc., are of the finest model and best material obtainable. Can be run with kerosene, any kind of gas or electricity. And all this most perfect construction makes it possible for you to get those high percentage hatches for which the Globe is famous all over the country. This is the incubator that will make you money. This is the incubator that has the real value behind it and not a pretty photograph of somebody.

**200-Chick Globe Brooders \$11.75** After you have your little chicks all peeping about looking like good money, don't chance them to some brass band brooder. Get them in the Globe and you're pretty sure of cashing in at a profit every single time.

This 200-Chick Globe Brooder has all the basic principles that has made the Globe famous. Has the over-head system of hot water pipes, contains two compact---one for feeding---one for nursery. Ample light and ventilation. The most efficient lamp on the market. Will never rust. The whole brooder is made to stand the racket.

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## THORNILEY'S BNCONAS

Greatest layers of large white eggs on earth. I have several hundred large, dark, evenly mottled males and females for sale reasonable. Day-old chicks ready to ship after February 1st. Eggs for hatching any time. Write for illustrated catalogue.

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200 extra fine breeders in our twenty breeding pens bred for vitality, selected for quality and productiveness. Eggs ready for shipment at twelve and eight dollars for fifteen. From our utility pens at four dollars. Our surplus stock of yearlings and youngsters is too large. We can supply your wants at very moderate prices. When writing mention American Poultry Journal.

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DR. BRYANT SMITH, MGR., BOX S, DAVENPORT, IOWA**



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Madison Square Garden New York Champions—Better Than Ever is the word. My matings have for years produced exceptional quality and winners at our greatest shows including Cleveland, Boston, Madison Square Garden, New York, etc. At New York they made nearly a clean sweep by winning three first prizes and two seconds with all specials in one year, a record unapproached by any breeder.

**THIS LINE WILL WIN THAT SHOW FOR YOU**

We have a grand lot of young early hatched, giving every promise of excellence and can furnish the best of exhibition birds in cocks, hens, cockerels and pullets to win for you. This is your opportunity. Write me your wants, for right stock at right prices. Satisfaction assured.

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Have in ten years won as many or more prizes at leading shows as any other line. This includes Madison Square Garden, N. Y., Boston, Cleveland Buffalo, Chicago, Pittsburg, Philadelphia, etc. There are none better and I have a grand flock to select from. Can fully satisfy you with the best of show quality and choice breeders. Write me your wants and get my prices; have special inducements for November and December.

**E. H. LICHTENWALTER : : BOX A : : GIRARD, PENNSYLVANIA**

## PARTRIDGE PLYMOUTH ROCKS

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in the Country**

A selection from over a thousand of the highest class birds of this variety ever bred. Remember, they are direct descendents of Chicago, Cleveland, Indianapolis, etc., first prize winners. They have the type and color that is recognized as correct by the leading judges of this country. They carry blood lines and vigor that reproduces itself year after year in the offspring.

Partridge Plymouth Rocks are the coming favorites and are rapidly displacing older varieties. Many of the most prominent breeders are adopting them, for it cannot be denied that there is a better all around fowl in existence. Send 25c for my catalog and text book on the breed—the finest book of this kind ever published. Money back if not satisfied. Among up-to-date information on the breed it contains a magnificent color plate insert of a pair of birds in natural colors—worth the money itself.

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# S. C. WHITE LEGHORN COCKERELS

SIRED BY 1911 FAMOUS NEW YORK WINNER, "BEAU BRUMMELL"

This bird headed the first pen at the Grand Central Palace Show. In color, size and type he is unsurpassed. His sire was William Penn, first prize bird at Philadelphia in 1910. Beau Brummell comes from an unbroken line of blue blooded prize winners. In my yards he was mated to twelve pullets and hens of his own line breeding including four hens that are full half-sisters. The off-spring are the last words in whiteness, size and type. They have been raised in colony houses on free range. The fields were sowed with dwarf rape among rows of rhubarb and sunflowers. Sour milk has been part of their daily feed. In consequence the birds are surprisingly vigorous. Many of the cockerels will equal their sire in size—and Beau Brummell weighed six and a half pounds when six months old. You will see my birds competing for the highest honors at the Chicago show and other big mid-west shows. I have about 100 cockerels to sell from the mating described above. I invite correspondence or a visit of personal inspection. I have no pullets for sale. I intend mating eight pens for the egg trade and I am booking orders now. All communications will receive immediate and courteous consideration.

SOLOMON HERING : THE WILLOWS : BOX 135, R. R. 3, SOUTH BEND, INDIANA

## OPEN-AIR POULTRY HOUSES FOR ALL CLIMATES

*By Dr. Prince T. Woods*

America's Leading Authority on Practical Poultry Keeping

The best house book ever published. Now ready for delivery. Be sure to read it before you build or make alterations in your poultry houses. Just out. 88 pages, 46 illustrations and 5½x8 inches in size.



A WELL WRITTEN, WELL PRINTED, WELL BOUND (in cloth)—a REAL BOOK, not a pamphlet or catalog. Just what you are looking for if you want to be successful with poultry. All NEW. Special illustrations from pen drawings and from actual photographs of construction work. Plainly worded. Easily understood. Tells plainly how to build and what to build so that anyone at all used to handling tools can build a good practical open-front poultry house.

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Tells how to build the kind of houses that the most successful breeders all over the country are building and recommending. Government workers favor these open-air houses. The "Fresh-air House" has come to stay and you will want to build one. It means Better Fowls, Freedom from Disease in the Flocks, Better Egg Yield, Better Fertility, Better Chicks.

### No Matter Where You Live, If You Keep Poultry You Need This Book

There are nine chapters and every one of them full of live interest and helpful information. Just look over the table of contents:

Chapter I—Sunlight and Fresh Air. Importance of pure open air both day and night for all domestic poultry. Relation of sunlight and fresh air to health and vitality. Nature's best aid in the prevention of disease.

Chapter II—Why Use Open-Front Houses. A few more reasons why you should use open-front open-air houses for the comfort and well being of your fowls as well as the betterment of your profits.

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Chapter IV—Location of Poultry Houses. Land. How to face the building. Relation to surrounding country. Prevailing winds and wind breaks. Continuous or colony buildings. Yards.

Chapter V—Dr. P. T. Woods' Improved Open-Air Poultry House. New descriptive photographic illustrations showing how to build and actual construction of house built to illustrate this

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Chapter VII—The Gillette Open-Air House. The house used in the International Laying Competition. Description, plans and list of material required.

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The Peerless Self-Feeding Dry Food  
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is an up-to-date poultry appliance, and fills the demand for a practical feeder at a modest price.

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**WIN AT CHICAGO**—My birds again won four out of the five firsts, demonstrating my ability to produce the quality necessary to win. I have a large flock of brothers and sisters of these prize winners which I will sell at reasonable prices.

**SOME CHOICE COCKERLS TO SPARE**—Pens all mated and I am now ready to deliver eggs promptly. Guarantee eggs to be fertile or replace free. Bad eggs to be returned prepaid. My free catalogue contains much valuable information. Send for it today.

**S. A. Noftzger, Originator of Partridge Rocks, Box 38, No. Manchester, Ind.**

## Spring Water Poultry Farm

We are now booking orders for day-old chicks for next season. Last Spring we were compelled to disappoint many, for even with our large capacity of 20,000 eggs at one sitting we could not fill all orders. Don't be among the disappointed this season. Breeders only of **Single Comb White Leghorns**. Write for illustrated catalogue. Mention American Poultry Journal.

**SPRING WATER POULTRY FARM .: .: STOCKTON, NEW JERSEY**

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IN AMERICA



We are baby chick specialists. Our 13th successful season. We now have 150,000 egg capacity. Will furnish from twenty Standard varieties. All first-class utility and show stock. Many customers report of winning prizes, and have sold stock as high as \$25.00 for one cockerel. We received several hundred letters from pleased customers.

If you intend to buy chicks, be sure to write for our catalog. We are booking orders for Spring delivery.

**M. Uhl & Co., New Washington, O.**



# AMERICAN POULTRY JOURNAL YEAR BOOK FOR 1913

Being a Comprehensive and Authenatic Review of the Poultry Industry for the Year 1912—All Thoroughly and Carefully Indexed for Instant Reference. Including a Practical Encyclopaedia on Poultry Culture.

## PUBLISHERS' ANNOUNCEMENT.

With the event of a billion dollar poultry industry in the United States, the publishers of the American Poultry Journal think it about time that a reliable and authentic Year Book or Annual should be published in this country. Many smaller industries—some of them many times smaller—have one or more Year Books published in their interests and these industries liberally support and encourage their publication and sale, as it has been found that the circulation of such books tends to create new interest and promotes its advancement before the general public.

It is the intention of the publishers to issue a Year Book annually for the great and growing poultry industry of this country, and we feel confident that it will be well received, as it will fill a real need that should have been attended to many years ago, and the entire editorial staff of the American Poultry Journal will devote its best efforts to make it worthy of a place in every poultryman's library. With such an organization of experts behind it—with the equipment in materials, statistics, trained clerical force, books, artists, practical and expert writers—must, in the very nature of things, produce a book that will fully and truthfully represent our great billion dollar industry.

## SOME PROPOSED FEATURES.

**OUR CONTRIBUTING EDITORS.**—The entire editorial staff—conceded to be the best staff of poultry editors connected with any poultry paper—will lend a helping hand in the completion of the Year Book, and it goes without saying that such a brilliant aggregation of poultry experts will produce a Year Book of inestimable value.

**THE POULTRYMAN'S ENCYCLOPEDIA.**—Will be composed of about 300 questions and answers, with complete definitions of all the technical words and terms used in the poultry industry. Edited by Dr. Prince T. Woods, with the assistance of the entire editorial staff. This feature will be a great help to the amateur and professional breeder.

**FEEDING FORMULAS.**—All the new and best feeding formulas that appeared in 1912 will be published. This feature will cover the entire subject of feeding poultry for all purposes including winter egg production, feeding for the show room, for the market, young chicks, crate feeding, cramming, etc., by the best experts in this country and Europe.

**DIRECTORY OF EXPERIMENTAL STATIONS.**—Will contain a complete list of all the poultry experimental stations of this country with names of managers, who supports them and what they accomplished during 1912, and interesting and instructive articles by their managers will be in the great American Poultry Journal Year Book for 1913.

**POULTRYMAN'S CALENDAR.**—What to do each month in the poultry yard, conducted by Mr. Prince T. Woods, managing editor of the American Poultry Journal. This will be a thorough and practical treatise on raising chickens and will tell in plain words just what to do each month of the year. This one feature, compiled and edited by the best practical expert in this country, will be invaluable to both the amateur and old-time breeder.

**SPECIALTY CLUB DIRECTORY.**—Will be a complete directory of all the specialty clubs in America, all arranged under the different breeds and will contain the names and addresses of the officers, number of members, initiation fee and annual dues; special prizes given and where in 1912.

**POULTRY SHOW DIRECTORY.**—Will be one of the most valuable features of the book to the fancier, as all poultry shows held during the season of 1911-1912 having 2,000 or more entries will be reported in full. First, second and third prizes won, with names of winner, judges making the awards, number of entries in class, date and where show was held; name and address of secretary, entry fees for different classes, date of next show, and all arranged and indexed for

ready and instant reference. All shows having 1,000 to 2,000 entries during 1911-1912 will be reported as follows: Winners of first prizes, name of judges making the awards, date of show and place where held, number of entries in each class, date of next show, entry fees for different classes, whether exhibition coops are provided by the show management or must be provided by the exhibitor, name and address of secretary. All shows having less than 1,000 entries will be reported as follows: Total number of entries, date and where held, entry fees, who furnishes the exhibition coops, name and address of secretary, date of next show.

**SPECIAL ARTICLES.**—Many special articles will be published, written by the best experts in this country and Europe, such as the newest ideas on poultry house construction, how to prepare birds for the show room, the double mating system, single mating system, how to line breed, how to operate incubators and brooders, fattening and preparation of fowls for the market, how to operate back yard poultry plants, how to operate large commercial poultry plants, how to advertise fancy and market poultry, how to produce eggs throughout the year, and many others too numerous to mention.

**POULTRY JUDGES' DIRECTORY.**—A complete directory of all licensed and unlicensed poultry judges of this country, with postal address—breeds they are specialists in judging, poultry papers they are associated with, leading shows they have judged, and other information regarding them will be given in full.

**HANDSOMELY ILLUSTRATED.**—The publishers of the Year Book will endeavor to make it the handsomest and most artistically illustrated poultry book ever published. Many full page four-color illustrations and full page one-color plates will be used. It will also be profusely illustrated with smaller cuts showing all kinds of poultry appliances and diagrams of different articles described in the text. No expense or pains will be spared to make this feature the best of any book ever published.

**THOROUGHLY INDEXED.**—One of the most valuable features of the Year Book will be the thorough manner in which it will be indexed under main and sub-titles, and sometimes cross indexed. This feature will make it a ready reference library of all the important events in poultrydom that transpired during the year 1912. This feature will also possess a historical value that cannot be estimated at the present time. Suppose that ten or twenty years from now you wished to find out what were the total number of birds on exhibition at the Madison Square, or any other show, held during 1912, and who were the winners and judges, or what a certain egg laying contest did, or what was the best treatment for any certain poultry disease, or what the experimental stations were doing in 1912, or wanted some statistical information on any subject relating to the poultry industry in 1912, you would just go to your library and get the American Poultry Journal Year Book for 1913, would turn to the index on any of these subjects and the information would be right in your hand. And remember it is the intention of the publishers to issue a similar Year Book each year. It is unnecessary to say that such a historical record of each succeeding year will be worth preserving for the generations yet to come.

**PRINTING AND BINDING.**—The book will be published in the convenient size of 5½x8 inches and will be printed on high grade book paper suitable for printing fine halftone illustrations in the best manner possible. The cover will be an artistic and original design, and the binding will be linen thread sewed to make it flat opening. There will be nothing cheap or trashy about the book, as it is the intention of the publishers to make it a representative of the best present day standard of artistic printing and worthy to be handed down to posterity as an example of what the best printer could produce in the year of 1912-1913.

The American Poultry Journal Year Book will contain between 400 and 500 pages and the prices will be \$1 for handsome cloth bound de luxe edition, and 50c for paper cover edition.

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**BREEDERS OF JERSEY CATTLE**  
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## Day-Old Chicks

White Leghorns,      \$15.00 per 100  
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\$1.50 per 15,      \$ 8.50 per 100  
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BABY CHICKS—U. R. Fishel's White Plymouth Rocks the Best in the World

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Superb Type and Superior Quality

MY FIRST SHOW, 1912  
TEXAS STATE FAIR

{	1st, 2d and 4th Cock
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	1st, 2d and 3d Cockerel
	1st, 2d, 3d and 4th Pullet

Won at St. Louis, 4 Cock; 2 Cockerel; 1, 2, 4 Hen; 1, 4 Pullet; 1 Pen, and Several Specials.

My birds are absolutely white, of that deep-bodied type, low down on legs, up to weight, and I know that I can please you. The last time I showed at Madison Square Garden, 1911, I again controlled the winning male birds. My winnings include first cock, third hen, fifth pen and the cockerel heading the first pen. The winning cock is, without doubt, the greatest White Orpington in the world, having defeated the Crystal Palace champion and all the great cocks of America. These great birds, together with my other prize winners, place Russell Cave White Orpingtons far in the lead. Both in Allentown and Augusta, two shows I made last year, I won at each the

cup to that exhibitor whose ten or more birds of one variety showed the highest degree of excellence and uniformity of type and breeding. This record of winning in two of the most important poultry shows in this country the cup for the ten best birds has never been equaled by any breeder in America. GREAT STAMINA AND VIGOR are to be found in my birds, not usually found in White Orpingtons. I attribute this to strong foundation breeding stock, our pure air and the blue grass range, 100 acres in Russell Cave Poultry Yards, and 8,000 acres in Elmendorf Farm. We still have a few more cockerels, pullets and hens at bargain prices. EGGS from the greatest of all matings, \$5.00, \$10.00 and \$20.00.

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LOUIS LEE HAGGIN, PROP.



Two Females from Laddie Man's Harem, full sisters, sired by Prince Laddie out of Vixen.

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ORIGINAL SUSSEX STRAIN SINGLE COMB WHITE

## ORPINGTONS

LAY LIKE A GATLING GUN ☐ ☐ ☐ GROW LIKE A WEED

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ONE of our special matings for the season of 1913, headed by Laddie Man, whom we believe to be the loosest feathered yearling cock bird in existence, with females conforming to his standard, constitute the most superb mating that we have ever had the pleasure of offering. Eggs from this mating at \$25 per setting of 12 eggs. Eggs from the world's greatest exhibition matings, \$10 per setting of 15 eggs. Each and every bird in these matings has a show record at the largest shows on the continent that cannot be duplicated. Eggs from special matings, \$20 to \$30 per setting of 12 eggs.

### Cockerels

We have selected 100 cockerels, some early hatched, some late, each and every one of the highest exhibition quality and without a blemish, some weigh as high as eleven pounds, some as low as eight pounds, all are true Sussex strain birds and will breed into their progeny the characteristics of the strain. To move these birds fast, we offer them at \$25 each, not more than one to a customer, individual descriptions will not be given, neither will the privileges of shipping on approval be extended, however we assure you that your gratification on receiving any one of these birds will more than compensate you for whatever risk you may imagine taking as some of these birds are really worth hundreds while the poorest is good at twice the price. Eight of these birds were sired by Prince Laddie himself. They will be shipped as they run. We will absolutely not select a single bird from this lot for any individual, all will stand an equal chance of getting the best, no matter who he is.

ARCHWOOD YARDS, J. A. PARKER, CLEVELAND, OHIO  
PENS, TRIOS, INDIVIDUAL BIRDS OF ANY DESCRIPTION \$50 to \$500



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128 PAGES—35 ILLUSTRATIONS

A down-to-date manual on breeding poultry. Tells in plain language how to select and mate breeding stock, what to feed and how to feed it, how to care for and manage breeding stock, how to select eggs for hatching and how to care for them before and during incubation, how to get good hatches with incubators, how to raise chicks with hens and brooders, how to prepare home-made chick foods, how to build brood and colony coops. It also gives facts about White Diarrhoea, including prevention and treatment, and much other valuable information that cannot be obtained elsewhere. Price 75 cents.

### OPEN-AIR POULTRY HOUSES FOR ALL CLIMATES

By Prince T. Woods, America's Leading Authority on Practical Poultry Keeping

The best house book ever published. Be sure to read it before you build or make alterations in your poultry houses. 88 pages and 46 illustrations. Tells how to build the kind of houses that the most successful breeders all over the country are building and recommending. The "Fresh-Air House" has come to stay and you will want to build one. It means better fowls, freedom from disease in the flocks, better egg yield, better fertility, better chicks. No matter where you live, if you keep poultry you need this book. This book gives full plans and specifications. Price 75 cents.

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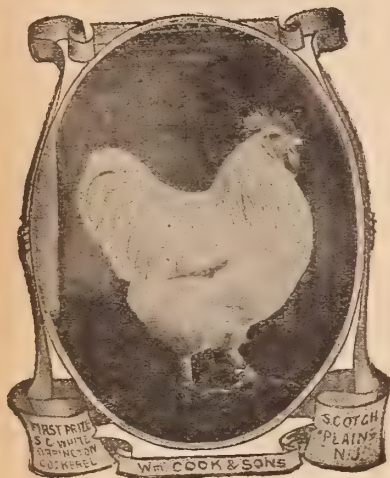
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## Foolish Experiment Station Work

Try It Out—Try It, If You Want to Know—Mr. Milo M. Hastings'  
Interesting Views.

By H. H. Stoddard, Riveria, Texas



**ILLUSTRATION:** My next neighbor here is interested in truck farming. Says he wants to have his soil analyzed. You see sometimes commercial fertilizers are used to force growth, though all the soil hereabouts is rich by nature. There are various brands of these on the market, of widely different constituents, and my neighbor wants to know which he shall buy for beets, which for onions, or cabbages, lettuce and so on.

Ask the vegetables themselves. All the soil analysis this side of Jordan is of little account. Try one row of beets with the fertilizer of such and such a dealer, another row with another brand,

and so on. Separate these with rows not fertilized. Be sure of uniformity of all conditions. Weigh the crop at market time. Prof. Beet knows more than all the college professors in Christendom. His reply will ring true as steel.

I want to urge, line on line and precept on precept, here a little and there a little, regarding the value of station work. Millions on millions of solid value can be produced of grains, fruits, vegetables, and live stock of every species, by following the conclusions of good, well advised station experiments; and conversely thousands of dollars of taxpayers' money can be squandered by ill-advised station work.

Over and over again, laborious, costly and long continued experiments are carried out without providing absolute equality of conditions.

That clear and convincing writer, Milo M. Hastings, regarding vitiation of experiments for lack of such equality, says with his admirable command of language:

"It should be said that men available for scientific poultry work are very scarce. Poultry keepers schooled in the university of the poultry yard have no conception of scientific methods, and would explain experimental results by a theory that would fail to fit elsewhere. The available scientists on the other hand are seldom poultrymen.

"Among the first men to take up animal husbandry work of all kinds, were the veterinarians. For years the only poultry publications put out by the U. S. Government were by veterinarians. These dust covered volumes with their five color plates of the fifty-seven varieties of tapeworms, still rest on the shelves of public libraries, a monument to the time when the practical poultryman knew only things that weren't so, and the scientific poultryman knew only things that were useless.

"The first general law that all experimenters should know, and the ignorance of which has caused and still causes the waste of the major portion of experimental brains and money, we will call the 'Law of Chance.' Let the reader who is not familiar with such things take two pennies and toss them upon the table. They are both heads up. He tosses them again, one comes heads, the other tails. The third time repeats the second. The fourth both come tails. The law of chance says this is correct. Heads should appear twenty-five per cent, and mixed fifty per cent of the time. Now let the reader try this in a lot of twelve tosses.

Does it prove the law? Try it again. Are all lots alike? Now pitch a hundred times, then pitch pennies all day. By night the law will be so near proven that the experimenter will be willing to concede its validity.

"Now suppose the lots of twelve tosses, each were lots of twelve hens, one, Plymouth Rocks, the other Wyandottes, or one fed corn and the other wheat. The law of chance clearly proves that the larger number of units, the nearer the theoretical tenths will be the experimental results. Note, however, that small lots may by chance be as near the truth as large lots.

"In practice, two grave errors are made: First, conclusions are drawn from small lots compared with each other; second, conclusions are drawn from large lots compared with small lots. In the first case, both may be off; in the latter case, the small one may be off. Examples of the first error are to be found in the scores of contradictory breed and feed tests, that were published in the early days of poultry research. The second error is exemplified in the Ontario experiments in incubation.

"Here is a further example of this error. From the fifth egg laying competition at the Hawksberry Agricultural College in Australia, I copy the following:

No. of hens.	Variety.	Ave. egg yield.
6.....	Cuckoo Leghorn.....	190.16
30.....	S. C. Brown Leghorn.....	177
138.....	S. C. White Leghorn.....	174.93
12.....	R. C. Brown Leghorn.....	173.50
12.....	R. C. White Leghorn.....	172.66
18.....	Buff Leghorn.....	160.55
6.....	Black Leghorn.....	138.33

"The ranking of Cuckoo Leghorns as first is a chance happening due to the small number; likewise the Black Leghorns had a streak of bad luck and received lowest place. To one familiar with such work, the real significance of the table is that the S. C. W. Leghorns did the best work. A totaling of all other varieties gives 84 fowls with an average egg production of 170.5, which bears out the conclusion. As these birds were all kept in pens of six, we would expect to find the highest single pen to be White Leghorns, because when compared with all other Leghorns, they have both the highest average and the greatest number. This accords with the fact that the highest single pen is found to be White Leghorns with an egg yield of 239 eggs.

"The above illustrates another important phase of the law of chance, which says that not only is the average likely to be nearer the theoretical average sought when the number is increased, but that the individual extremes will be more removed.

### Experimental Bias.

"Pet ideas consciously or unconsciously mold practice. A bias toward an idea may show itself in the planning and conducting of an experiment, or it may come out in the later interpretation.

"An illustration of the first kind is found in the early work of the West Virginia Station (Bulletin 60). With the preconceived notion that hens should have a nitrogenous diet, an experiment was planned and conducted as follows:



"One lot of hens was fed corn, potatoes, oats and cornmeal. A contrasted lot reveled in corn, potatoes, hominy feed, oatmeal and fresh cut bone. The results were in favor of the latter ration by a doubled egg yield.

"To any experienced poultryman the reason is evident. The variety of the diet and the meat food are what made the showing.

"About the same time the Massachusetts Station planned a similar experiment. The bias was the same, but it took a fairer form. The hens were both given a decent variety of food and some form of meat. The bulk of the grain was corn in the carbonaceous, and wheat in the nitrogenous ration. The results were in favor of the corn. This astonished the experimenter. He tried it again, and again tests

is by introducing a factor other than the one being tested. This may be done by chance, and the conductor not realize the presence of the other factor, or the varying factors may be introduced intentionally under the belief that they are negligible. Of the first case an instance may be cited of the placing of two flocks in a house, one end of which is damper than the other; the accidental introduction into one flock of a contagious disease; or one flock being thrown off feed by an excessive feed of something unusual, etc., etc. These factors that influence pens of birds greatly add to the error of the law of chance. In fact, it amounts to the same thing on a larger scale. For this reason not only are many individuals, but many flocks, many locations, and many years needed to prove the superiority of the contrasted methods.

"As is well known the Maine Station was for years considered by all poultrymen to be doing a great and beneficial work in breeding for increased egg production. Up until the fall of 1907, the poultrymen of the country were of the opinion that this work was in every way successful, and a large number of private breeders had taken up the use of trap-nests in an effort to build up the egg production of their fowls.

"When early in 1908, Bulletin 157 of the Maine Experiment Station was published, it showed by averages as given in the table on page 202 that the egg yield at the station was for the entire period on the decline. In Bulletin 157 the statement was made that 'arithmetical mistakes' and 'faulty statistical methods' accounted for the discrepancies between the former publications and the criticised data. The further explanation that 'the experiment was a success as an experiment,' etc., only appeared to the public mind as a graceful way of explaining what was to the practical man, an utter failure of the entire work. The unfortunate death of Professor Gowell, together with the fact that he had equipped a private poultry farm with station



First prize cock at Madison Square Garden, New York, 1911, and international champion.

came out in favor of the corn. At last the old theory was revoked, and the fallacy of wheat being essential to egg production was exploded. If by an irony of fate in the shuffling of the hens, the wheat pen had the first time showed an advantage, the experimenter might have been satisfied, and the waste of feeding high priced feed when a better and cheaper is at hand, might have gone on indefinitely.

"Of bias in the interpretation of results all publications are more or less saturated. A common error of this kind is the omission of factors necessary to fully explain results. Items of costs are omitted or minimized. Food cost alone is usually mentioned in figuring experimenting station poultry profit, which statement will undoubtedly cause a sad smile to creep over the face of many a 'has-been' poultry man.

"The writer remembers an incident from his college days which illustrates the point in hand. Let it first be remarked that this was on the new lands of the trans-Missouri country, where manure had no more commercial value than soil, and was freely given to those who would haul it away.

"The professor at the blackboard had been figuring up handsome profits on a type of dairying towards which he was very partial. The figures showed a goodly profit, but a big expense item, that of labor was omitted. One of the students held up his hand and inquired after the labor bill.

"Oh," said the smiling professor, "the manure will pay for the labor."

"When the class adjourned, the students remarked, 'They say figures won't lie, but a liar will figure.'

"The third way, in which experiments are made worthless



First prize White Plymouth Rock pullet at Illinois State Fair, 1912. Owned by Maple Farm of Midlothian, Tinley Park, Ill.

stock, added to the confusion, and the result of the bulletin was the precipitation of a general 'pow-wow' in which the poultry editors were about equally divided between those who were casting insinuations upon the personnel of the station and those who decried the whole effort toward improving the egg yield.

"After going over the publications of Professor Gowell, visiting the station and meeting the present force, I came to the following conclusions regarding the matter:

"Professor Gowell's work is open to severe criticism. Errors have been made in conducting the work at Maine



which have made it possible for a mathematical biologist to take the data and seemingly prove that selection, as practiced by Professor Gowell, actually resulted in lowering inherent egg capacity of the strain of Plymouth Rock hens under experimentation. Had Professor Gowell's successor been a practical poultryman it is my candid opinion that the public would have been given a radically different explanation of the results.

Professor Gowell is the author of the following statement: 'The small chicken grower is earnestly urged to use an incubator for hatching.' This opinion is not in accord with that of the majority of breeders and the more progressive experiment station workers. The opinion has been expressed by Professor Graham and others, that the particular results at the Maine Station may have been due to the decrease of vitality caused by continued artificial hatching. This view may be wholly without foundation. Nevertheless as the common type of incubator is under heavy criticism, and it is pretty well proven that chicks so hatched have not the vitality of naturally hatched chicks, surely a series of

cive to high egg yields. Whether these changes in housing and feeding have been improvements as claimed by those who introduced them, or whether their popularity may be explained in part at least by the psychology of fads, is a point in question, but certainly the marring of a breeding experiment by introducing radical changes in the factors of production is at least unfortunate.

"A much more serious criticism than any of the foregoing is to be found in a change of the size of the flock and amount of floor space per fowl.

"The results of the work at the Maine Station on testing flock size, conducted without relation to the breeding work, gave the following results:

No. of hens.	Sq. ft. per hen.	Egg yield.
150	3.2	111.68
100	4.8	123.21
50	4.8	129.69

"No comparisons of 50 and 20-bird flocks in the same year are available, but by extending the comparisons of the



No. 1—Administration and brooder house in front, breeding house behind. No. 2—Cock paddocks. No. 3—Group of colony houses in orchard range. Iowa Farms Poultry Dept., Davenport, Iowa.

breeding experiments would carry more weight if the replenishing of the flock had been accomplished by artificial means.

"For the first few years of the breeding work the house used was the old-fashioned double walled and warmed pattern. The last few years of this work were conducted in curtain front houses. That the cool house is an improvement over the warm house is generally conceded, but there are many poultrymen who are still of the opinion that the warm house will give a larger egg yield, though at a greater expense and less profit.

"In the early years of the work the method of feeding was also a time-honored one, and included a warm mash. About the middle of the experimental period, Professor Gowell brought out the system of feeding dry mash from hoppers. This custom became a great fad and Professor Gowell preached it far and wide. Perhaps it is an improvement, but it is today much more popular with novices than with established egg farms. Many old line poultrymen have tried dry mash only to go back to wet mash, by which method the hens can be induced to eat more which is condu-

50, 100 and 150 flocks into the 20-flock size, we can get some idea of the error that has been introduced.

#### Overwork May Disturb.

"It is a well established fact in poultry circles that many men who succeed with a few hundred hens, fail when the number is increased to as many thousands. When the breeding experiments under discussion were started Professor Gowell had under his supervision about three hundred hens. When the work was closed the experiment station plant had been increased to four or five times its capacity, and Professor Gowell had a large private poultry plant of his own in addition.

"It is interesting to note in this connection that the last four years of the records are explained by Professor Gowell as being low, due to various 'accidents' (?) Is it reasonable to suppose the true explanation of these 'accidents' would be found in connection with the increased responsibility and size of the plant?

#### The Season May Disturb.

"At the Ontario Station a patent disinfectant wash called



'Zenoleum' was incidentally used to deodorize incubators. Now for some reason, perhaps due to the belief that White Diarrhoea was caused by a germ in the egg, this idea of washing with Zenoleum was conceived to be a possible solution of the incubator problem. In the numerous experiments at that station in 1907, Zenoleum applied to the machine in various ways was combined with various other incipient panaceas, and at the end of the season the results of the various combinations were duly tabulated. The machine with Zenoleum headed the list of livable chicks.

"The idea of contrasting the results of one hatch with one sort with the average results of many hatches of another sort, is very poor science. I very carefully went over the results and compared all machines without it. The results in favor of Zenoleum were less marked but still perceptible. I was somewhat puzzled, as I could see no rational explanation of the relation between disinfecting incubator walls and the hatchability of the chick in its germ-proof cage. Finally I lit upon the scheme of arranging the hatches by dates, and the explanation became at once apparent. The hatching experiment had extended from March to July, but the Zenoleum hatches were grouped in April and early in May, when as one would expect from weather conditions, all hatches were running good. After allowing for this error, Zenoleum appeared as harmless and meaningless as would 'Attar of Roses.'"

The above extracts from a book entitled "The Dollar Hen" are made through the courtesy of Syracuse Poultry Magazine, from whom the book can be obtained. Or from National Publishing Co., Syracuse, N. Y. As a general poultry book it is the best by long odds I ever held in my hand. Aside from the subject matter of the work, Milo M. Hastings, its author, has used in its pages some of the best English that has ever appeared in poultry literature to my knowledge.

He has plainly shown how the Maine experiments through a long series of laborious years were vitiated by lack of equality of conditions. The costly contests of last year at Storrs and at Mountain Grove, while extremely valuable in other respects, were conducted in such a way as to be nearly worthless as regards solution of the great burning question, "Which breed lays the best?" a question

eagerly asked by thousands on thousands of people and involving incalculable amounts of labor and capital. It should be noted that the chief interest of most people in these contests centered on the comparative laying feats of breeds.

This year at new places several experiments are on foot and when the year is up we shall be just where we were before as regards the above burning question. In the prospectus of one of these experiments under the auspices of a farm paper, we find:

"How would you like to realize, say a profit of \$400 per year from a flock of 100 hens, or \$200 from 50 hens, or \$100 from 25 hens?"

"Last year a farm woman in Kentucky proved it could be done if you know how to combine feeding and housing with the laying qualities of the hens.

"There never was a greater opportunity since the world began to make money with a few or many chickens, for those who know how, or are striving to learn the secrets of the business as taught day after day in Mother Nature's school on the farm.

"The great shortage of beef and pork, the higher prices of all other meat, compared with chicken, are creating an enormous demand and better prices for eggs and poultry than ever known before. And the establishment of the parcel post is certain to soon open a ready and direct cash

market in towns and cities between producer and consumer for all poultry products."

The profit spoken of cannot be understood as produced by fancy prices for breeding stock and eggs for hatching; since the farm paper is obviously addressing readers who are raising for the food market, and furthermore it is specifically stated that the profit is to be brought about by combining feeding and housing with laying qualities.

The talk about four dollars per head is simply shameful. No combining of "feeding and housing with the laying qualities of the hens" will give such profit. I know of a party who sells eggs at \$1.00 per dozen for eating, at a very high priced restaurant in New York designed for extremely wealthy patrons, but it is impossible for the ordinary reader to do this. When I found a poultry book written that bore the title, "The Dollar Hen," my heart warmed at once, though I had never heard of its offer. It was such a relief after having met the story over and over again of how "Reverend" So-and-So made eight or ten thousand dollars, or such a matter, in one year by a start of eight or ten fowls, or such a matter, on a plot of ground 40 feet square, or such a matter in a city. Some readers pronounced it false and took the trouble of traveling to investigate.

Bear in mind that the atrocious advertisement, which never should have appeared in any poultry paper, contained this statement, "Anyone can do this," i. e., anyone can reap similar profits. In just those words lay the poison. Guess some real good poultry editors and publishers never noticed those fatal words.

Well, investigators visited the urbane and smiling man of God, and well might he smile, if he was troubled by no qualms of conscience. The "Reverend" did make the alleged profits because he sold eggs for hatching and birds for breeding at very high prices, being enabled to do this because another man who had an axe to grind turned over to the clergyman orders secured by means of the advertising on an enormously expensive scale by said party.

Yes, "anyone" can receive a present of orders at high prices and fill same, and make money beyond the dreams of avarice through the week and preach Sundays, and anyone can sell eggs at \$1.00 per dozen to be eaten by multi-millionaires who dine with friends at anywhere

from \$10.00 to \$20.00 per plate, and upwards, according to the price of the wine imbibed, Things are wonderfully easy for "anyone."

Now to go back to the new contest to be conducted "on a 20 acre farm" by a farm paper which "will in February begin the most intensely practical, valuable and instructive laying, housing, feeding, hatching and poultry-management contest that has ever been attempted. It will be a contest of all methods and conditions, the aim being to find the practical, profitable, better way in every instance. The tests will be worked out with the six most popular breeds of poultry and the results will be made known in weekly and monthly bulletins all through the year."

"The pens will be five females and one male, two pens each of Barred Plymouth Rocks, Rhode Island Reds, White Orpingtons, White Leghorns, White Wyandottes and Black Langshans, 72 birds in all. Accurate records by means of trap nests will be kept of the number of eggs each hen lays; what per cent of them hatch, what per cent of the chicks live, and how they thrive; at what dates chicks of the same age reached given market weights; the weight of feed consumed; cost per egg and per chick raised, etc.

Ending as beginning, "Try it." Try out all important poultry questions. But be sure and guard against disturbing factors and premature conclusions.



First prize Ancona cockerel London Dairy Show, Dec., 1911.  
Owned by J. O. Somers, Bedford, O.



# Standardizing Market Eggs and Poultry

Will Mean Thousands of Dollars More to the Producer Every Year—Other Staple Crops Standardized. *By Walter L. Chaney*



THE TENDENCY of the present age is to standardize everything. The steel mills have standardized the structural steel of the United States, the automobile manufacturers have standardized their machines, cotton and wool have been standardized, cotton goods and woolen goods likewise. Potatoes and grains have been classified and standardized. And so have the products of the soil and farm, and the manufactures of the many mills. Poultry and eggs have not been, but are now in process of being classified and standardized.

New York City demands white eggs and pays a premium on them. Boston calls for brown eggs and pays higher therefor. This is and was one of the first steps in standardization of eggs, grading as to color of the shells. To a limited extent eggs have

The skeptic will exclaim, "Impossible!" But this is almost true at this time in some localities. The Single Comb White Leghorn industry now developed at Petaluma, Cal., is an example that bears out the above prophecy or statement. Petaluma ships thousands of dozens of eggs every day in the year. The eggs are shipped fresh laid, some of the farms marking the eggs so that their origin is known; and every consumer who uses them knows that they are laid by the White Leghorns of the Petaluma district. The name of the district is a guaranty of freshness, quality and cleanliness; and the quantity is known beforehand by the purchaser. There are other districts in the United States doing the same thing, and this phase of market eggs is as yet in its inception. The American consumer always wants the best, not the cheapest, and he will pay for quality day in and day out through the year. Quality market eggs will bring from one to five cents more on the dozen than ordinary market eggs. And on each case of thirty dozen eggs this means thirty cents to one dollar and fifty cents. Should



First prize winners at Madison Square Garden as bred by Irving F. Rice, Cortland, N. Y.

been classified, the market qualifications being as to cleanliness of the shells, then as to being fresh, the top quality being quoted as "Fresh-gathered extras," and on down as follows: "Extra firsts," "Firsts," "Seconds," "Poor to fair," and "Fresh-gathered dirties," "Checks," and many other intermediate grades known to the trade. Among others are the cold storage eggs which have their technical names in the trade. Later there will follow a complete standardization as to weight of eggs, then possibly as to breeds producing the market eggs. And finally the time will come when they shall be graded as cotton, wheat and all the other staple crops of the farm now are. They are now graded in the great markets of the world, but the classification will finally reach back to the farm and be standardized at the farm by the producer. After this is completed the purchaser will be able to buy his eggs any place and know what he is getting. He will not just buy a dozen eggs, as at present, but he shall know what he gets as to freshness, quality, quantity, color of shell, cleanliness of the same, what breed produced his eggs, and possibly to know the farm they came from.

it finally average ninety cents to the case, three cents for each dozen eggs, this would mean millions of dollars to the egg producers of the United States. It would pay the producer to standardize his flock of hens, feed for quality eggs, gather the eggs daily, or several times daily, so as to have fresh eggs, keep them clean, pack in attractive packages, and use a farm or trade name to identify his output. And, by the way, this farm name is an advertising proposition and a business asset that may be converted into hard, cold cash. A farm name placed on produce is a guaranty of quality, and the consumer wants assurance of quality.

As a carload of Hereford cattle, Aberdeen-Angus cattle or of Shorthorn cattle sell for more over the scales of our great stockyards, and a drove of Berkshire hogs, a drove of Poland-China hogs or a uniform bunch of any other breed is worth more in the hog alley of the stock yards, so will a coop of White Orpingtons, White Wyandottes or White Plymouth Rocks bring more in the poultry markets of the country. Uniformity of variety stands for uniformity of quality, and uniformity of quality means higher quality in the aggregate. Our poultry must be standardized to



get higher quality, and uniformity is the way to get it. The markets are demanding it.

If the advertisements in the poultry journals indicate anything, and if the poultry exhibitions show anything, the market poultry of the United States is being standardized. These advertisements and exhibitions show that many breeds are falling by the wayside. That fancy is being subordinated to utility. That uniformity and quality are to the forefront. In the December, 1912, issue of one of the leading poultry journals of the United States advertisers were advertising different strains, breeds and varieties to the extent of five hundred, counting each different advertiser as a different variety. Of the five hundred advertised more than 40 per cent were on white fowls, and over 95 per cent of these were White Orpingtons, White Wyandottes, White Plymouth Rocks and White Leghorns. And of all breeds and varieties advertised the Single Comb White Leghorn was way ahead. Rhode Island Reds come after the white varieties. The many buffs follow in numbers after the reds, and the parti-color varieties are only about 30 per cent. And if you will watch the poultry exhibitions you will see that this is about the same. Why is this so? It is because these fowls are a step in the direction of standardization. Here you find uniformity of color. They dress clean and look right to the purchaser, the ultimate consumer, after they are ready to use as table poultry. Then there is the growing inclination of the consumer to buy live poultry so that we may know what we eat, and a clean white bird or one of solid color carries his health certificate with him. As an indication of the direction for standardization may be noted the bringing out of new white varieties, as Rhode Island Whites, White Indian Runner ducks. Then take the loss in popularity of some of the parti-colored breeds that require the double mating system

to produce show birds, and in so doing have lost uniformity.

As said above, market eggs are now standardized to a limited extent in restricted areas, and market poultry hardly to any extent. But, in the near future, market eggs will bear the stamp of quality placed thereon by the producer the day they are laid, and he shall use some apt, suggestive name to designate his output. One of the most suggestive we have ever seen or heard is "Yesterlaid." They will be shipped the same day they are laid, and shall be received by the consumer the same day or the day following. The eggs will be uniform as to weight, quality, color and shape and, best of all, command the top price. Table poultry will come to market well fattened, uniform in shape and color, and be shipped expeditiously so as to arrive in prime condition. And every bird, dead or alive, will bear a leg band giving the name of the producer or his farm, and the location of such farm or owner as a guaranty of the health and quality of such fowl.

These extra guaranties of quality will cost the consumer money, but to the producer this will be the difference between common market eggs and poultry and the standardized kind. It will be the difference between an up-to-date business conducted on scientific, sanitary lines and a sloven, unsanitary business conducted without any thought of responsibility to the ultimate consumer.

Standardized market eggs and poultry will mean a revolution in many communities. Whole neighborhoods will keep the same sort of fowls, produce the same kind of eggs, the same kind of chickens; uniformity will result and higher prices will follow. One cent on every dozen eggs, one cent on every pound of poultry will mean thousands of dollars in the aggregate every year, and two cents' increase would mean tens of thousands. It might be the difference between a living and prosperity.

## Day-Old Chicks and Ducklings

What to Do for the Chicks Before Shipment and After They Are Received. *By Mrs. George W. Church, Townville, Penn.*



THE SHIPPING of day-old chicks and ducklings has long since passed the experimental stage. Most purchasers now find it saves both time and money to buy day-old stock rather than eggs for hatching. Little chicks from good parent stock, and properly incubated will stand shipment well and if properly cared for by the purchaser when received, little difficulty will be experienced in rearing them successfully.

The first consideration in making shipments of baby chicks should be the condition of the chick. No breeder who values his reputation would place a weak or poorly hatched chick in the shipping box. All such should meet with a sudden and timely end as soon as discovered, whether the owner is hatching for another or for himself. A weak, puny chick is only worth the time it takes to kill it, for any attempt to keep and pamper it will result in not sufficient returns to pay the interest on the value of the time spent on it, barring all other expense.

When the chicks are nicely dried off and begin to take notice of the new world in which they have just made their appearance, they should be placed in the little compartments of the shipping box, not more than twenty-five in a compartment. With the chicks so placed the temperature will soon rise to 95° F. and unless left out in the open or unduly exposed to cold storms, will remain so until the boxes are opened at the end of the journey, which may take several days. When removed from the boxes the utmost care should be used to prevent chilling. This should be done in a warm room and each bird given an opportunity to dip his bill in water, when they will drink if thirsty, once they find what the drinking fountain means. The little chicks should then be allowed to rest in a warm brooder of some kind for half an hour or so before feeding.

If the chicks or ducklings are to occupy a brooder, it should be in readiness before their arrival, and in cold weather warmed up to one hundred or more degrees. The floor of the brooder should be well littered with cut clover. Opinions differ as to what is best for the first food given the baby chick. A little dry, freshly ground chick food, ground from good healthy grains, dry rolled oats, hard

boiled egg finely crumbled and mixed with a little dry rolled oats, are all good and these may be varied from time to time with boiled rice, bits of raw potato, sprouted oats or any good green food.

No definite temperature can be named for brooding chicks or ducklings. The owner must have the ability to know when the chicks look comfortable and to recognize their contented chirp. In cold weather they require considerable heat or they will crowd into corners or under the hover, and the death rate assume alarming proportions. After the first week the temperature may be lowered, but from the first the brood must have fresh air, and the hover may be taken out and aired for a few moments in the sun and then put back each day.

Many purchasers of chicks and ducklings prefer to brood them with hens, and they are usually less care than those artificially brooded. Incubator broods are not apt to pay any attention to the clucking of a hen at first. She may even frighten them, when they will pile up off in some corner instead of allowing themselves to be hovered. I find the quickest way to accustom them to being hovered is to place each hen in a box eighteen or twenty inches square in which a nest of straw has been made. The hen should be allowed all the corn, water and grit she will consume before placing her in the box, then she will remain quiet for twenty-four hours if necessary. The chicks should be given her at night.

In cold weather it is advisable to limit the number given to each hen to fifteen or twenty. In mild weather many more may be given a good mother. Here let me say that only "good mothers" should be allowed to have chicks. It is useless to expect a wild, scary hen to mother chicks. Usually with a good hen the chicks will have learned to be hovered by the second day, yet care must be taken in accustoming them to outside temperature, the same as when reared in brooders, but in this case the hen will do most if not all the work.

There are many purchasers of baby chicks who do not realize that success in handling them depends largely on the method of brooding. They do not take into consideration the vast difference existing between the hen hatched youngster, which sometimes before fairly dry thrusts its head from beneath the feathers of the mother and thus early becomes accustomed to outside temperature, and the chick which first sees the light of day in an incubator where it must remain



in a moist atmosphere at one hundred degrees or over for perhaps forty-eight hours.

The fireless brooder has given satisfaction in many instances, but are not at all successful for brooding ducklings until they are several weeks old, as ducklings in drinking, even from a fountain, get more or less wet, and in cold weather at least require more heat than is generated by their own bodies. For chicks it is advisable to fill a jug

with hot water and wrap well with several thicknesses of flannel and place in the fireless brooder to supply warmth.

The youngsters, be they chicks or ducklings, should early be taught the value of daily outings, if reared by artificial methods. It takes time to teach them the way in and out of the brooder, but it is quite necessary to their future welfare, for they will not thrive without fresh air and sunshine, and later on in the season shade must also be provided.

# Type and Carriage of White Runners

Long Bottle Shaped Body, Slender and Carried Erect, With Carriage Almost Straight Up, Advocated.

By J. C. Patton, Charlotte, S. C.



THREE or four years ago there was little and many times no competition in White Runners, even in the larger shows of the country. Even at the Madison Square Garden show in 1912 there were only four single birds and one pen entered, I am told. During the past year, however, this meritorious bird has grown in favor rapidly, and this past Fall and Winter competition in the majority of shows, particularly the southern shows, has been keen. For instance, the greatest duck show ever held in the world possibly, was the recent Southern International Show at Atlanta, December 16-21, where over six hundred runners were on exhibition, with the pure whites leading, the combined entry of the latter being over 380. There were 43 young pens of whites shown in this show; 67 young females and 59 young males, while the old classes were well filled. At the recent Garden show the classes in all colors of Runners except one or two were well filled, and competition was keen. At various southern shows during the Winter entries of two hundred and sometimes more White Runners have been seen.

The editor of A. P. J. has kindly asked my views as regards the "true" type of White Runners. It is not my intention or desire to knock the birds of any other breeder, but those who have visited the various shows where there was real competition must have been impressed with the variety of type shown. The thick necked, thick-bodied bird, White Runner so-called, has been much in evidence, and has been almost invariably passed by in the judging, for the judges at the shows mentioned, and many others, seem to stress above all else, type, station and carriage, with slenderness of neck and body as of supreme importance. In my humble opinion this is right.

During the past year the South has been flooded with thousands of dollars' worth of so-called White Runners, which, according to the requirements of both the British and the American Standards, possess few of the attributes of the breed.

In my opinion, the point of surpassing importance is carriage and true, racy Runner type, the kind that made the breed justly famous in England and promises it equal popularity in America.

The thick, short necked bird, with the short, pudgy body, no matter how nearly wedge-shaped the bill may be, is usually slothful of temperament and devoid of any of the restless activity characterizing the wiry, slender, erectly running bird.

Give us the long bottle shaped body, slender and carried erect; give us the extremely long, slender neck, and give us the bird that actually holds itself almost straight up while running, not merely in fleeting poses of excitement, and we will have the

active, fast moving bird whose virility is stamped in every movement, and whose chief virtue is the capacity to lay an almost endless supply of eggs.

The accompanying illustration of a pair of Runners was snapped in natural standing pose. When on the alert or when running any of them easily assumes a higher degree of body carriage, and when the least bit excited, stands absolutely straight up. They represent my idea of good body and neck shape and carriage. Such well known judges as Tilley, Swain, Brown and others have placed them first at such notable shows as the Madison Square Garden, Atlanta, Hagerstown, and invariably because they possessed this slenderness of type and uprightness of carriage. In the minor points some of them were defective, but they possessed the carriage, at all times, and they represented the type, and they won. Visitors at the recent Garden show will no doubt testify that the first young female and the first young male stood almost perpendicularly at all times, causing much comment for this fact alone.

The prospective buyer should read the White Runner Standard (proposed) carefully, and before accepting birds he should see that they have those qualities demanded for the runner of all Standards and colors, viz., type, raciness and slenderness of appearance and, above all things, carriage.

Let us demand a bird that will show, at all time, a carriage of at least sixty degrees, and for my part I should like to see the Standard requirements calling for as high as seventy-five if it bars ninety-five per cent of all our birds.

You rarely find the heavy set, squatty, loosely feathered and loosely built bird, that prefers to sit about rather than forage, laying anything like even the mildest claims sometimes made.

The true runner of all colors is a bird of snap and vigor, quick in movement and beautiful in carriage. It is the bird, too, whose wonderful activity bears fruit in heavy egg production.

I should like criticism of the accompanying picture from any one truly interested in the true type.

Rape will color the yolk of the egg green, and onions or fish scrap will cause the eggs to taste of these if fed in too large quantities.

The ground should be kept fresh, shade provided in the hot summer months, and the house kept clean. The hens cannot do well if covered with vermin.

Most high layers will lay practically all the color out of their legs and plumage in one year.

Hens lay a few more eggs when males are not used in the pens with them.

Most good layers moult late in the season. They look tough, dirty and weather-beaten as a rule as a result of their hard year's work, but the poor layers spend their time in dressing up and putting on a beautiful coat of feathers, and set them early as a rule.



A pair of typical White Indian Runner Ducks.



# Madison Square Garden Show, New York

Once More a Fine Big Show, the Same Old Stand and the Same Old Management—High Quality Birds Shown. *By Prince T. Woods, M. D.*



almost prohibitive price.

Though we may get more Garden shows, the management is to change. Mr. Crawford has announced his retirement from the field of activities and the 1914 show is to be held under the direction of the new secretary-superintendent, Charles D. Cleveland. Mr. Crawford retires full of years and honors as a great show manager. It is going to take a good man to fill his shoes and keep up the standard of the great New York Show, which has a world-wide reputation as the greatest business show of the country. Mr. Cleveland is popular and he is a hustler and we believe that he will win out for the Garden show in spite of the handicap of increased rent. It is up to fanciers everywhere to get busy and co-



BUFF ORPINGTON.

First hen at St. Louis and Cleveland. 2d at Indianapolis. Bred and owned by F. A. Poertner, Berea, Ohio.

operate with Supt. Cleveland in the effort to make the next show the New York Poultry, Pigeon and Pet Stock Association a great show and a big success.

For this twenty-fourth annual exhibition, the show dates for 1912-13 were December 31 to January 4, inclusive. Attendance was bigger than ever and there seemed no lack of interest on the part of the visitors. The same old arrangement of exhibits was in vogue; it seems to be the only arrangement that the exhibition hall permits. Displays in the center of the hall. Competing birds in rows of double tiered cages and the displays of manufacturing concerns ranged around the sides of the hall, with pigeons, bantams and overflow exhibits in the balcony. Dealers in poultry equipment, supplies, incubators and brooders reported a good business week. Poultry sales were reported at long figures, but not as many of them as for the year before.

The weather was fine most of the time during show week, with only one squally, rainy night and a little flurry of snow, but it did not appear to cut down the attendance any. The hall was filled with visitors from opening time to the closing hour all show week.

The poultry judges at New York were: C. H. Welles, Barred Plymouth Rocks, females and yards; H. P. Schwab, Barred Plymouth Rocks, males, and yards; Fred Huyler, White Plymouth Rocks; George H. Burgott, Brown and Buff Leghorns; F. G. Bean, Buff Wyandottes, Buff Plymouth Rocks, White Orpingtons, females and yards; H. A. Rose, Ornamental Bantams; J. H. Drevstedt, Indian Games, Black Wyandottes, S. P. Wyandottes, Dorkings and Silver Penciled Plymouth Rocks; Rowland Story, Minorcas; T. F. Rigg, Houdans, Creve Coeurs, La Fleche, Polish and Turkeys; H. B. Gleezen, Pit Games; C. M. Bryant, Rhode Island Reds; L. C. Bonfoy, Brahmans, Spanish, Dominiques, Lakenvelders and Faverolles; A. C. Smith, White Leghorns and Andalusians; Charles Nixon, White Wyandottes, females and yards; J. W. Andrews, White Wyandottes, males and yards; F. L. Sewell, Langshans; G. D. Tilley, waterfowl; F. L. Platt, Campines and Buff Cochins; J. Frank Van Alstyne, Columbian Wyandottes; Capt. Max de Bathe, White Orpington males, Blue Orpingtons and Orpington Ducks; M. H. Coffin, Partridge Plymouth Rocks and Partridge Wyandottes; W. Tunncliffe, Hamburgs; B. C. Thornton, Games and Game Bantams; F. H. Davey, Silver and Golden Wyandottes; C. S. Beyers, Buff, Black and Diamond Jubilee Orpingtons.

Following is a list of poultry classes from official catalogue: Poultry Classes Madison Square Garden, New York Show, December 31, 1912, to January 4, 1913.

Variety.	Cocks.	Hens.	Cockerels.	Pullets.	Pens.	1913 Totals.	Last Year.
Light Brahmans.....	6	4	5	5	0	20	32
Buff Brahmans.....	1	1	1	1	1	9	8
Dark Brahmans.....	3	4	2	2	0	11	24
Buff Cochins.....	2	8	4	4	1	23	1
Partridge Cochins.....	2	2	0	0	2	14	46
Black Langshans.....	7	10	12	11	5	65	84
White Langshans.....	0	0	0	0	1	5	2
Barred Plymouth Rocks.....	29	28	45	29	12	191	240
White Plymouth Rocks.....	22	23	27	28	11	155	180
Buff Plymouth Rocks.....	13	19	25	21	8	118	51
Partridge Plymouth Rocks....	7	7	13	6	2	43	102
Silver Penciled P. Rocks.....	4	3	3	4	3	29	45
Columbian Plymouth Rocks....	10	9	8	6	4	53	50
Silver Wyandottes.....	12	12	13	14	5	76	64
Golden Wyandottes.....	3	3	3	4	1	18	44
White Wyandottes.....	37	40	46	47	18	260	154
Black Wyandottes.....	5	6	9	6	0	26	28
Buff Wyandottes.....	9	10	13	10	1	47	30
Partridge Wyandottes.....	6	5	6	5	3	37	48
Silver Penciled Wyandottes....	5	8	9	7	2	39	33
Columbian Wyandottes.....	11	10	16	12	1	54	98
Cuckoo Wyandottes.....	3	3	3	2	1	16	13
S. C. Anconas.....	10	15	17	24	6	96	47
R. C. Anconas.....	3	3	5	5	3	31	19
S. C. Rhode Island Reds.....	22	22	36	20	10	150	182
R. C. Rhode Island Reds.....	17	13	13	16	7	94	179
White Dorkings.....	1	2	1	0	0	4	1
Silver Grey Dorkings.....	2	3	3	3	0	11	30
Colored Dorkings.....	1	1	1	0	0	3	0
S. C. Buff Orpingtons.....	19	11	25	19	10	124	155
R. C. Buff Orpingtons.....	2	7	5	7	1	26	6
S. C. Black Orpingtons.....	16	22	18	25	8	121	152
R. C. Black Orpingtons.....	2	4	4	3	0	13	4
S. C. White Orpingtons.....	18	39	32	35	12	184	285
R. C. White Orpingtons.....	6	15	5	5	3	46	5
Diamond Jubilee Orpingtons..	1	2	3	6	1	17	10
Blue Orpingtons.....	3	6	8	16	2	43	9
A. O. V. Orpingtons.....	2	5	0	0	0	7	10
S. C. Brown Leghorns.....	18	20	30	23	9	131	58
R. C. Brown Leghorns.....	5	13	15	7	1	45	35
S. C. Black Leghorns.....	2	3	6	4	2	25	18
S. C. White Leghorns.....	17	21	23	20	7	116	124
R. C. White Leghorns.....	3	3	6	4	2	26	30
S. C. Duckwing Leghorns.....	1	3	3	4	1	16	13
S. C. Buff Leghorns.....	13	13	23	15	8	104	104
R. C. Buff Leghorns.....	2	5	7	8	1	27	5
Silver Campines, English type..	12	13	32	29	9	131	15
Silver Campines, Belgian type.	0	1	4	6	2	21	0



Golden Campines, English type	3	7	13	10	3	48	5
Golden Campines, Belgian type	0	2	3	6	1	16	0
S. C. Black Minorcas	10	13	18	13	4	74	62
R. C. Black Minorcas	10	8	19	9	5	71	61
S. C. White Minorcas	3	6	6	8	0	23	21
R. C. White Minorcas	3	3	4	4	0	14	9
Barred Minorcas	0	1	1	1	0	3	0
Sussex Fowl	5	5	4	4	0	18	28
Black Rhinelanders	1	1	1	1	1	9	0
Blue Andalusians	8	9	7	7	2	41	45
Black Spanish	4	5	11	7	0	27	39
W. C. Black Polish	2	3	2	2	1	14	30
Bearded Golden Polish	1	1	0	0	0	2	2
Buff Laced Polish	1	1	1	1	1	9	7
Silver Spangled Hamburgs	3	2	4	4	2	23	19
Houdans	9	9	10	13	5	66	70
White Faverolles	1	1	1	3	0	6	12
Salmon Faverolles	2	3	3	1	1	13	4
Lakenvelders	4	4	4	4	2	26	5
Indian Games	6	9	4	6	2	35	15
Games	36	33	25	20	1	119	81
Game Bantams	19	24	21	24	1	93	91
Ornamental Bantams	46	56	45	49	5	261	221
Silkie	4	4	5	6	3	34	34
Guineas	1	1	0	0	0	2	8
Pekin Ducks	6	4	5	5	3	35	32
Ronen Ducks	2	1	2	2	0	7	34
Crested White Ducks	1	1	0	0	0	2	2
Muscovey Ducks	2	1	0	0	1	8	5
Mallard Ducks	4	5	0	0	0	9	4
East Indian Ducks	1	1	0	0	0	2	6
Aylesbury Ducks	1	1	0	0	0	2	0
Blue Swedish Ducks	2	2	2	0	0	6	8
Indian Runner Ducks, English							
P	3	3	9	8	2	33	0
Indian Runner Ducks, Fawn	5	6	11	6	4	48	72
Indian Runner Ducks, White	6	5	5	6	3	37	7
Buff Orpington Ducks	2	2	1	1	1	11	23
Bronze Turkeys	6	6	10	6	0	28	44
White Turkeys	4	3	4	1	0	12	3
Buff Turkeys	0	4	0	0	0	4	0
Slate Turkeys	1	1	0	0	0	2	2
Red Turkeys	2	1	1	1	0	4	5
Toulouse Geese	1	1	1	1	0	4	10
Emdben Geese	1	1	2	1	0	5	10
Total poultry						4,327	
Total pigeons						957	
Total rabbits						83	
Total cavies						28	
Total rats and mice						12	

Grand total, 1913, not including displays.....5,407  
Grand total last year.....5,067

In addition to the exhibits listed in above tables, there were peafowl, cranes, flamingoes and wild turkeys in a large cage display, many varieties of waterfowl and a fine display of partridges and pheasants by G. D. Tilley. Also pigeons and doves in attractive variety by the same exhibitor. English Golden Campines by M. R. Jacobus; Blue Orpingtons and Silver Campines by Capt. Max de Bathe; White Egg American Fowl by Albert Angell, Jr.; Barred Rocks and Black Minorcas by Yama Farms; White and Buff Orpingtons by Owen Farms; Barred Rocks by A. C. Hawkins.

It was a big and interesting show and, taken as a whole, we believe that the classes showed better values and better quality than at any previous exhibit. There was some little dissatisfaction with the judging in some classes, particularly Rhode Island Reds.

We were pleased to see the Buff Cochins coming back again with 23 big fluffy specimens, where there was only one lone hen a year ago. Other Asiatic classes were strong in quality but a little short in numbers. Black Langshans made a good showing with some excellent specimens.

Reference to the table will show the total number of specimens shown as compared with the show a year ago. Barred Rocks showed a shrinkage in numbers, but certainly made good in the fashionable fancy requirements. White Rocks made a fine showing with well filled classes and exceptional quality. Buff Plymouth Rocks were strong in numbers and fine in quality, with some of the old-time strains leading in the ribbons.

White Wyandottes were the best and biggest classes in the show and there were some wonderfully good birds both in and out of the winnings. From all appearances this good old variety is taking a fresh grip on popularity and may be expected to keep right on climbing in favor with those who love a combination of the practical and beautiful. Buff Wyandottes showed well in size, color and quality, but there

does not seem to be the activity and effort for improvement that the excellence of this variety warrants. Columbians and other variety Wyandottes made an excellent showing.

Down in Ancona alley there was all kinds of enthusiasm. One could hear Ancona praises proclaimed at any hour during the show and the breeders sure did put a lot of ginger into the boosting for their favorites. The birds were in fine fettle and showed evidence of good work for improvement. The breed is being boosted along practical lines, and if all the tales we heard of phenomenal laying of big white eggs are only "slightly exaggerated," then the Anconas must surely be some wonders as egg machines. Go to it, gentlemen; we sure do like your push and enthusiasm. It is a fine plan to let folks know it when you have a good thing to push along.

Rhode Island Reds looked good to us; they always do, but in Red alley the light was poor and, because of the double tiering, it was difficult to get a really good view of many of the birds. There was some kicking on the awards and some shifting about on decisions, but after the smoke of battle cleared there did not seem to be any "killed and wounded," and we don't believe that anybody was seriously hurt.

Buff, Black and White Orpington classes were strong in



Second Partridge Plymouth Rock pullet at the late Chicago Show.

numbers and in quality; some sales were reported at good prices and the Orpington folk seemed to be feeling pretty good. Other varieties of Orpingtons made a good showing.

Brown Leghorns were back again in fine fettle and with a new lease on popular favor. Whites and Buffs were well filled classes and the quality good. Other varieties of these sprightly little egg makers were "right there with the goods."

Campine alley was another center of excitement and enthusiasm. There were Campines of English type and Campines of Belgian type. Of course the judging was criticised; that appears to be fashionable at New York. The Campine is certainly a plump and solid little bird for one that does not look its real size, and we are told that they will give the Leghorns a pretty good run in egg production, but it does look as if too much favor is being shown to the rather small and leggy birds in making the awards.

Minorcas made a stronger showing than a year ago and this fine old breed seems to be holding its own in popularity with those who like a good-sized fowl that can lay a goodly number of large white eggs.



# Mr. Schwab's Report of New York Show

Birds Displayed From Many States and From Over the Seas—Wonderful Quality—Breeders Improved Work Seen to Advantage. *By H P. Schwab*



EVERY YEAR all roads known to poultrydom lead to New York. The Garden show, with its long record and prestige, is the "Mecca" of poultrymen. For twenty-four years this show has been the recognized leader in poultry fashions and in poultry success, and in the same breath in which we speak of the Garden show we also speak of its manager, Mr. H. V. Crawford. It is this man who all these years stood at the wheel and has guided it safely through all conditions over and beyond all danger to the smooth waters of content in the harbor of poultry success. The pilot has now retired; his work as far as the future shows are concerned is

done; the deserved days of rest and freedom from all cares have come by his own wish, and he takes with him the love and confidence of all who knew him and of all who knew his work. The wish that he may live long and fully enjoy life is borne in every breast. His monument is of his own making in the prestige he gave the New York show and the great influence his character and work has had the world over.

We welcome Mr. Chas. D. Cleveland, the new manager, for he above all is the right man for the place. A great breeder and a man of sterling quality, he is liked and has the confidence of all who know him. He deserves success and will surely receive the hearty support of the breeders and press.

The feature of this exhibit was seen in the general high grade and improved quality in all the classes; the even select grade was noticeable; quality and condition went hand in hand, and the general superior effect was commendable. Never before have classes of such evenness been seen with such superior condition and such value.

The entries totaled larger than ever before. Poultry in the single classes numbered 2,510. Ducks, geese and turkeys, 190; bantams, 305; pigeons, 960; pet stock, 123; pens, 242, with 1,210 birds; displays with 415 birds, making a grand total of 5,713 specimens shown. The weather was very good all but one day, and the attendance over double of any previous year. Sales were freely reported, with record prices the rule. Mr. Owen selling a White Orpington cock for \$1,000 and Mr. E. B. Thompson refused \$1,000 for his second prize cockerel. I can imagine the amount it would take to buy his champion and first prize winner. Some White Rocks also brought prices way up in three figures, and we know of a dozen sales in other classes of \$100 or more for single birds. It is evident that quality makes the price and that the demand for high grade birds is greater than ever before.

Eggs for hatching were also in general demand, and one breeder told us he had booked orders for half his supply at the show.

The large display of rare water fowls in the tank occupied the center of the Garden and made an attractive centerpiece of interest to all. The collection was complete and the best we have seen. Cages with rare birds of all sizes and all varieties were placed throughout the building. The wonderful coloring and markings of many of the birds were a revelation to us; the blending of colors by their nature was superb and beyond my pen to describe.

The entire Garden was surrounded with displays of incubators, brooders, poultry houses and fixtures. Feeds, etc., were also shown. Egg boxes and egg crates in improved styles were seen, and it is evident that no branch of the industry is being overlooked.

The American Poultry Journal, the only dollar journal in captivity, was met with general favor. The breeders see in this the desired progress that down-to-date conditions demand. The American people appreciate value received, and the breeders realize in this the uplift of the fancy. Quarter and fifty-cent poultry journalism has passed as far as this journal is concerned, and we are going to give all double value at that.

Pigeons and pet stock, ducks, etc., were shown in the gallery and filled all available space there. The exhibit was one of superior merit and value and attracted unusual attention from the great throng of people who attended the exhibits this year.

## The Breeders and Their Birds—Barred Plymouth Rocks.

Unusual interest was centered in the great and wonderful class shown here of Barred Plymouth Rocks. The great breeders and winners of years were competing here, while the birds

from the yards of the absent ones were shown in fact. In this class of 191 birds it remained for Mr. E. B. Thompson to make, all considered, the greatest record ever made at the Garden shows. Never before was such quality seen; the even high grade was a real revelation, and we did not think it possible for any man at this day to make such a clean cut record. Mr. Thompson won: Cocks, second, third, fourth and fifth; hens, third and fourth; cockerels, first, second, sixth and eighth; pullet, first and sixth; pens, first, second and fifth; cockerel mating pen, first; first display; champion male; champion female; specials for color and shape male and color female; silver cup for best pen; Spratt's sweepstakes gold special; special for four best cockerels and for best cock; hen, cockerel and pullet and a dozen others. The victory was complete, with not a spar left standing. The first prize and champion cockerel was the sensation of the show. We have never before seen his equal in either shape, color or barring, with condition and finish perfection. His surface was clean, snappy and straight-barred, while his under barring was uniform in width and very sharp; head points with comb and eyes of the very best. He is the model for the 1915 Standard.

His four winning cocks were in a class by themselves. Judging this class was the hardest work of my life, and I don't believe there was a difference of one-half ( $\frac{1}{2}$ ) point from first to fifth prize. The second cock had just passed his best and had dulled a mite in hackle. Still we have never seen a better finished cock bird; every feather was in place, and he, like the first cockerel, had the best of shape and head.

Mr. Haldie Nicholson, Leominster, Mass., won first cock, also eighth and third cockerel mating pen. The cock was in superb condition, just in full bloom, very narrow and sharply barred and well carried in all his sections. Here also was found ideal types and a magnificent head. There was but one shade of color and but one quality from head to tail—that was of the richest and best. It was a close and a great win.

Beside his Barred Rocks Mr. Nicholson has also won fame with his line of "Royal Blue Orpingtons." He was the first to import this variety, and bought the best of English winners. His birds have won the country over this year and, to top off with, he won here: Cock, first; hen, first, cockerel, first; pullet, first, and pen, first, in the largest and best class seen on this side. The popularity of this variety is good to see, for they sure are a most beautiful bird in form and color.

Mr. C. N. Myers, Hanover, Pa., won first hen and second-prize pullet. He has shown here before and has kept faith and landed well. His winning hen was a beauty, well shown, and in form and color ranks up with the best ever seen here, with very bright and snappy barring. His pullet was of the same style, excellent surface and under and of fine form.

Mr. Henry D. Riley, Strafford, Pa., had his birds placed in all classes, winning: Cock, sixth; hen, fifth; cockerel, third; pullet, fourth, and cockerel mating pen, second. His entire display was one of merit and his cockerel up with the very best, and only beaten by the two most wonderful birds ever seen at any one show. This cockerel carried the best of color and barring, being short only on a little filling out. At his very best he will make a far superior bird to any he has ever shown. Fourth pullet was a very clean and attractive bird that promises well for the future.

The Yama Farms, Napanock, N. Y., made their second exhibit here and won renewed favors by their excellent showing and winning. In Barred Rocks they won: Cock, seventh; hens, second, sixth and seventh; cockerel, fifth; pullets, third and eighth. Their second hen was the first New York pullet of last year and in their third pullet they have another with every promise for the future. Their birds were shown in grand condition throughout.

In S. C. Black Minorcas they made a sweeping record with: Cocks, first, third and fifth; hen, third; cockerels, first, fourth and fifth; pullets, first, fourth and fifth, and first and fourth pens. We believe this is the Garden show record; at least, when competition is considered, we believe this will prove the best record ever made. In size and form this line is a wonder, and with fine head points the rule. In color they are marvels and in finish perfection. We had expected to see a great class of quality birds, but we never hoped to see such superior quality in any one line as was here shown by the Yama Farms. This farm has also made another great record at the Buffalo International, of which we will write later.

Mr. Geo. J. Cunningham, Sag Harbor, L. I., N. Y., who has



won honors here for two or more years, found his early birds just a mite passed and the younger ones hardly finished. The few birds he displayed well show his quality and the improvement he is making yearly. He is a valued breeder sure to win his way, and all his birds have the breeding quality and true merit value back of them.

Mr. E. Anderson, Norwalk, Conn., another of the prominent old time exhibitors who always has good ones to show, exhibited birds of merit in males, but they were not fully finished. We were glad to note their quality. This line is very strong in clean surface color and under-barring. Late moulting handicapped this line.

Mr. Robert J. Walden, Middleburg, Md., and this year a prominent winner at Philadelphia, Hagerstown, Williamsport, etc., entered a few females, most of which were past their best condition. From their quality we feel assured that this line will have to be considered in the future.

Mr. J. W. Smith, Dallastown, Pa., whose line of females has had all guessing, made his first exhibit here, but sent over very young and immature birds. Mr. Smith has a line with wonderful color and barring, and has a future in this line. He has made a grand record at many shows the country over and he will bear watching, mark this.

#### White Plymouth Rocks.

In White Plymouth Rocks a class of 155 birds was seen, and here again finish and condition with beautiful type were features well worth seeing. The Owen Farms by winning first, second and third pens in a class of eleven pens established a new record in this class and in this variety. They also won first and fourth cocks and second and fifth hens. Their other varieties were shown as displays only and one display coop was used to show the silver cups they have won at the leading shows this season. It was a beautiful display of honors won, a convincing though mute statement of the Owen quality.

Mr. L. C. Bonfoey, Vernon, Conn., who cleaned up at the Palace, won here: Cock, second; cockerel, second, fifth and sixth, and pullet, first. This is one of our oldest lines and has been a prominent winner for many years. The first pullet is all that one could desire in form and color and was shown at her very best.

First cockerel went to Hampden Poultry Yards, Chicopee, Mass. He was a finely finished bird of merit.

#### Buff Plymouth Rocks.

In Buff Rocks the Linfield Poultry Yards, with John W. Poley as sole owner and manager, repeated his former winnings at this show, winning in a class of 117 birds of quality as follows: Cock, first and fourth; hens, first, second and fifth; cockerels, third and fifth; pullets, first and second, and pen, first; first display, etc. Mr. Poley has made records there for ten or more years, but he has never made one of more value than this. The class was the largest in years and the general quality very good. His first pen was the equal of his Boston winner of last year, a pen I considered unequalled. The females mated well and the male a rare good one of surprising color and the best of form. First cock the best Buff male we have ever seen, to our mind.

At shows this year we have placed seven first prize winners that we were told were hatched from eggs bought from Mr. Poley. This line has made a wonderful record the country over, and are right now better than ever. Mr. Poley deserves every credit for his great work with this variety.

Other winners here were: E. H. Lichtenwalter, Girard, Pa.; Fred Armer, W. J. H. Goetz, etc.

#### Partridge Plymouth Rocks.

This beauty class received special attention, for it was one of the largest and without question the best in quality ever brought out. The quality was really marvelous all through, for beside their wonderful color and markings their shape was a feature. Bird Brothers, Meyersdale, Pa., made their third consecutive winning here by taking down: Cock, first, second, third and fourth; hens, first, second and third; cockerels, first, second, third, fourth and fifth; pullets, first, second, fourth and fifth, and first pen. Every one of these birds is worthy of special mention for their richness of color and type with excellent finish. Head points were another feature and in the males particularly are worthy of any variety.

Columbian Rocks were not as large a class as usual, or in their usual fine condition.

#### White Wyandottes.

The largest class at the show, with 260 birds competing. It was without question the grandest class ever brought out, with quality and condition the best to be had. Here Mr. A. J. Fell, West Point, Pa., made his superb record by winning four of the possible first prizes, as follows: Cock, first; hen, second; cockerel, first and fifth; pullet, first and fourth, and pen, first, with first display and all specials. It was their type and their rare condition and quality that made possible this great win,

and every credit is due the man for what he has done. In type his birds are the true models of Standard requirements, rightly carried, and in color sound in every section, with beautiful yellow legs and red eyes.

The Rockandotte Farm, Southborough, Mass., won fourth cock and second pen. This pen was about all we could desire, the cock a wonder in form and finish, well carried and a typical head, the females well mated, all of the same mould, and in the rarest of condition. It was a great pen and the judges must have had a job in picking their winner, for they told me it was close and between the two best pens ever seen.

First hen was won by Joseph Russell, of Toronto, on a beautifully shown and finished hen. Mr. Russell made a clean-up at the Guelph show.

#### Silver Wyandottes.

There were 75 Silver Wyandottes shown, making one of the largest classes of years, and one of the best we have seen in years. These old time favorites have been coming back for the past three years and we still hope to see more of them in the future. This year Mr. Leroy W. Seigfried, Waterloo, N. Y., doubled any of his former winnings by taking: Cock, first; hen, first; cockerel, first; pullet, first and third pen, with all the specials. This was a rare collection of winners, with splendid type and the best of markings, the open lacing very sharp and clean.

Golden Wyandottes a very small class.

Black Wyandottes seen in fair numbers and of good quality.

Buff Wyandottes a class of 50 birds with exceptional quality in sound buff color and very fine in type. We have seen beautiful classes of these this season.

Partridge Wyandottes seem to be favorites in this section, and a beauty class was seen here, with the Sheffield Farms, Glendale, Ohio, winning as usual. This season they won all the first prizes but one and most of the other honors as well.

Silver Penciled Wyandottes number 40 birds, making a fine showing.

Columbian Wyandottes numbered 53 birds and were a royal good class in every department. D. Lincoln Orr, Orrs Mills, N. Y., won: Cock, second and fifth; hen, fourth; cockerel, second and fifth; pullet, second and third; pen, first.

Other winners here were G. H. Baker, Sunnybrook Farm, C. N. Bruce and the Columbian Poultry Yards.

#### Anconas.

This variety again proved their popularity in a class of 102 birds, which was one of the largest brought out so far in their history, Mr. H. Cecil Sheppard, Berea, O., winning: Cock, first and fourth; hen, first and third; cockerel, second; pullet, fourth, and pens, second and fourth, with display special. Mr. Sheppard is one of the original breeders of the variety and for some years has been the leading winner at this show.

In Rose Comb Anconas Mr. Sheppard won about all the prizes.

#### S. C. Rhode Island Reds.

There was something doing in this variety all the week, and as we did not handle all the birds we are not in a position to say if all the awards were placed right or wrong. We do know that a great many of the winners looked exceptionally good to us, also that many wonderful quality birds were without ribbons. In cocks No. 982 looked as one of the best to us, No. 996 extra even in rich color and fine head, but we will handle this later and now tell who the winners were. Old Acres Farms, Foxboro, Mass., won: Hen, third; cockerel, first and fifth; pens, first and second, making a great win without any question on their awards. This line of males has more than made good to our notion; they have type and the very richest of color, sound all over and under.

Lester Tompkins, Concord, Mass., was awarded first-hen and female shape special, with several other mentions. Birds of his breeding were liberally shown against him here, and we have seen the winners of many shows this year that were sold by him.

The Wyebrook Farm, Londonville, N. Y., carried off honors with: Cock, first and third; hen, second; pullet, fourth, and pen, fourth. The winning cock was a very good bird and well shown.

Other winners here were shown by J. D. King, E. W. Lewis, A. A. Eddy, F. E. Woodard, A. S. Bailey, Shenly Heights Poultry Yards, etc.

#### Rose Comb Reds.

In a class of nearly 100 birds Mr. Lester Tompkins won: Cocks, third and fourth; hens, first; cockerel, fourth and fifth; pullet, second and third, and pen, fourth. There were many warm ones in these classes, the birds as a rule shown in most excellent condition.

Payne Brothers, Portland, Conn., winning: Cock, first; hen, fifth; pullet, first, and pen, third. Their winning cock, a bird of merit and well shown, very even in color and very sound.



The Red Feather Farm, Tiverton Four Corners, R. I., were close contenders all the way and winning: Cock, second, hen, fourth; cockerel, first and third, and pen, first. A splendid record made by a great line.

Annesley M. Anderson, Morton, Pa., another exhibitor of years and a breeder of note, won: Cock, fifth; hen, second and third, and pen, second.

#### S. C. Buff Orpingtons.

The Buff Orpingtons formed the fourth largest class of the show, with many birds of the old and new world competing. The class was a beauty all through, and we think the richest in both color and type that has been shown to date. In this large and beauty class the Joe-Pye Orpington Farm, South Norwalk, Conn., made a record of which they may well feel proud. With 123 birds competing they won: Cock, first and fifth; hen, third and fourth; pen, first. Their famous Buff cock that has won the Garden awards twice before headed their pen this year. This bird has a record far above that of any other Orpingtons we know of. His own record is the best ever and he has produced birds that have been winners at our best shows. He seems to improve with age and is as great today as ever; such superior quality is of untold value. This line has made other prominent records this season, and we hope soon to visit their home and to tell our readers more of it.

Mr. J. W. Clark, Cainesville, Ont., won well in the Buffs, backing up his record made at the "Ontario." His winnings are: Cock, second; cockerel, third; pullet, fourth, and pen, second.

In the Orpingtons a new exhibitor was found in the Briarcliff Farm, Atlanta, Ga., they showing very strong in all classes, as follows: Buffs, cock, third; hens, first and fifth; cockerel, second and third; pullet, second. In Blacks, cock, fourth; hen, third; pen, fifth. In White, cock, first; cockerel, first, and pen, sixth. This is a beauty record in these great classes. All their birds have the best of type and were shown in excellent condition.

#### Black Orpingtons.

This variety numbered 20 birds and we believe the largest class ever seen here and without doubt the best. Here the Foxhurst Farm, Lime Rock, Conn., made a wonderful winning against the best breed in America and England. It was a beauty class throughout with quality the feature. Here this farm won every first prize offered: Their complete record is: Cock, first and third; hen, first; cockerel, first, third, fourth and fifth; pullet, first, second, third and fifth; pen, first and fourth; first display and all specials. All that goes to make a great Orpington was seen in this line, the beautiful type and exquisite color sound and of the best.

Maj. Hugh A. Rose, Fonthill, Ont., split his string and exhibited both here and at Baltimore at the same time. This was his error. Still he made a strong showing here and won about all at Baltimore. Here he won: Cock, second; hen, fourth; cockerel, second; pullet, fourth, and pen, second. I believe in future the major will show his best all at one exhibit.

#### White Orpingtons.

The Aldrich Farms, Columbus, O., also made the same error and exhibited at both shows the same week. It takes the very best to win at either and the only way to make a just showing is to keep your line intact and exhibit as strong as possible at one show. Here this farm won: Cock, third and fifth; hen, first; pullet, third; pen, fourth and fifth. At this same time they won three firsts and two seconds at Baltimore. Their pens attracted particular attention, being of the choicest and wonderfully shown. It was a beautiful line display.

Mr. A. C. Hawkins won second pen in this class on a very choice and rare collection of quality and mating. The head points of his females are very fine and all were in great condition.

Wm. Cook & Sons exhibited but few birds here, as they were showing south and had made several large and successful exhibits this season. Later we will give their complete record.

There were several other prominent exhibitors in this class, and we dare say that about all the best of the birds were shown here. The class was very even; a real beauty, and with 183 birds in line.

#### Blue Orpingtons.

We were greatly surprised and pleased with the beautiful class of Blue Orpingtons shown. Their color seems to fit the form of this variety, and we will hope to again see next year as large a class. Mr. Haldie Nicholson won as before stated four of the five first prizes in this class, making a record to consider.

Mr. W. H. Depper, South Lincoln, Mass., showing a full line and winning: Cocks, first and second; hens, second, fourth and fifth; cockerels, second, fourth and fifth; pullets, fourth and fifth; pen, second. This line has the true Orpington shape and with even and excellent color. This is a beauty variety

with practical quality, bound to become very popular, for they have the merit.

#### R. C. White Orpingtons.

The breeders surely have done almost the unexpected with this class, for they have in the few years bred them to shape and a type as good as we have seen in any of the S. C. classes. Mr. Lawrence Jackson, Haysville, Pa., made a most attractive exhibit of birds, showing the grandest of form and with ideal Rose Combs. He won: Cocks, first and third; hens, second and third; Cockereis, first and fourth; pullets, first and third; pens, second and third; first display and specials. We believe these Rose Combs in another year will be as popular as the Single Comb variety, as they are bred as true to type and color, with excellent combs.

#### Other Orpington Breeders.

Mr. L. O. Kettering, Pittsburg, Pa., owner of the Sandy Lick Farm, breeder of Buff, White and Black Orpingtons, exhibited a few birds and won well on this his first entry here. Mr. Kettering has been a consistent winner for some years at leading shows and we hope to again see him and his birds here at New York.

Other winners in the Orpington classes were Waldo Richardson, H. B. Prescott, Kolaneka Farms, Capt. Max deBath, Murray Linder, etc.

#### Single Comb Brown Leghorns.

We were pleased to note the class of 135 S. C. Brown Leghorns. It just made the show look like the good old times again when this was always a leading class. The Browns were here in all their glory, shown by their best breeders. The awards were well spread, all getting a share. Mr. Frank Schellang, Erie, Pa., won second cock on a beauty, well shown and of the best color and markings, with fine head. He also won several other places. This line has been a prominent winner this season at our best shows and has years of exhibition records back of it.

Mr. L. B. Resseguie, Millers, N. Y., won second pen on a beauty mating, with a very valuable male heading it. This line has since made a clean-up at the Buffalo International show.

Other prominent exhibitors were Grove Hill Poultry Yards, J. C. Williams, Rockefeller & Hubbard, C. S. Cook, etc.

Rose Comb Brown Leghorns were a class of about 50 birds, with a great many beauties seen.

#### S. C. White Leghorns.

This was a rare class of 115 birds, with honors enough for all. The quality was of the best and birds well shown. Mr. D. W. Young did not win as many prizes as usual, but still with the class and all facts considered he and his line have surely made the greatest record ever. His winnings are: Cocks, first, third and fifth; hens, second, fourth, fifth, sixth and seventh; cockerels, first, second, third, sixth and seventh; pullets, third and fifth; pens, third and fifth. The style, finish and quality of the Young birds have set the pace for years, and it is this same quality that has won all the awards at this show for years.

The Skylands Farms, with Mr. Harlo J. Fiske in charge, made a great record here in winning: Cocks, second, seventh and eighth; hens, third and eighth; cockerels, fourth, fifth and eighth; pullets, second, fourth, sixth and seventh, and pens, first and fourth. This line has been winning for years at our best shows and well deserves the honors won here.

The Elm Poultry Yards, Hartford, Conn., won first pullet and first hen, both on very fine quality and rich birds seen at their very best. Mr. Groesbeck has been coming fast with his Leghorns and has been a close contender and winner at many great shows.

#### S. C. Buff Leghorns.

The Buffs formed a class of 103 birds and one of the choicest ever seen at this or any show. The feature of this class was the first prize-winning pen shown by the Monmouth Poultry Farms, Freneau, N. J., with Mr. J. Courtney Punderford, owner. For real quality and evenness throughout, with the soundest of color and best of size and type, and with choice head points this pen has never been equalled. Mr. Punderford has now won first pen for five (5) years in succession. This was his only entry this year, but in other years has been the leading winner right down the line.

In the single classes the prominent winners were: R. A. Knapp, L. E. Merrihew, M. F. Fielder, W. H. Heil, T. J. & W. F. Lindorf, etc.

Rose Comb Buff Leghorns were well shown and formed a good class.

#### Silver Campines.

With just 130 birds entered the Silver Campines formed a beauty and attractive class. They have landed like a whirlwind and with their quality are sure to stay and become great



favorites. The Manhattan Farms, Brighton, N. Y., here again made a surprising record in winning first and fifth cocks; hens, first, fourth and fifth; cockerels, first, second and fifth; pullets, second and fourth; pens, first and fourth. This line has made all the great shows to date, winning at all and making the greatest record we know of at all. We will soon have more to tell of this line.

Mr. M. R. Jacobus, Ridgefield, N. J., the father of the Campines in this country, who looks to practical worth and white eggs as their main quality and who has made great records at the shows for years, won here: Cocks, second and third; hens, second and third, and pullet, third. In Golden Campines Mr. Jacobus also won well with first hen and several other prizes.

The Manhattan Farms won here also in the Golden four of the five first prizes and several others. Complete their winnings are: Cock, first; hens, second and fifth; cockerels, first, second and fourth; pullets, first, second, third and fourth; pen, first.

#### Black Minorcas.

We have given the Yama Farms' record in the Black Minorcas along with their winning in the Barred Rock class. It was a beauty class of 78 birds, with beauty, condition and the best all around quality as the feature. We can see in this line an improvement of 50 per cent over last year, and fully believe with Mr. Arthur Trethaway, who said: "It is the best class I have ever seen shown."

#### Rose Comb Black Minorcas.

Like the Single Combs this was also a very large and strong class, and the best we have seen on this side to our recollection. The Rose Combs seen here were of the same size and form as the Single Combs, and in color as well as in style and

finish were their full equals. Mr. Ross Swartout, Newport, Ont., was the leading winner here and won: Cock, fourth; hens, first and second; cockerel, second; pullets, first and fourth; pen, first, and best display; this in a class of over 70 birds. Mr. Swartout has been a liberal exhibitor and at the late Ontario show at Guelph, Ont., won about all the awards, also against a great quality class. We expect to see his whole line soon and will tell our readers more of them.

Houdans as seen here again were pleasing in a strong class of very fine birds shown at their best. This valuable variety is still gaining in popular favor.

Lakenfelders were as good a class as we have seen.

Cornish Games, a beauty class, with many rare birds in line. We have seen more and better Cornish this season than for years before.

All varieties of ducks were seen to advantage and at their best, the Indian Runners leading in numbers in both old and young.

The Bronze turkeys were a hummer class and in general condition and quality one of superior merit. Here Bird Brothers for the third and consecutive year won all honors with their line, a record unequalled at any time or place.

Bantams were seen in all varieties and all classes well filled, with the Cochins and Seabrights leading.

Pigeons as usual were a rare collection and filled the gallery all around the show hall.

Note.—My original report of this show went astray in the mails and I was obliged to write this in a hurry. I will later go over this and make further mention as I wished to of other exhibitors and give a description of the classes and birds.

(See complete list of awards on page 259.)

# The Great Boston Poultry Show

Biggest and Best Poultry Exhibition Held in America—Veteran Fanciers' Day Celebrated With Banquet. *By Dr. Prince T. Woods*



**B**IGGEST AND BEST POULTRY SHOW ever held in America, was the verdict rendered by the "old timers" who attended the seventeenth annual exhibition of the Boston Poultry Association at Mechanics Building, Boston, Mass., January 7 to 9, 1913.

It was a big show, a fine show and a most enjoyable show to attend, see fine birds and renew old acquaintances and make new ones. It is doubtful if there is anything to be gained by striving to make a bigger show from the fancy side of the business, but much more might be done along the practical or utility lines. The exhibits of standard-bred poultry and displays this year crowded the hall space somewhat, made it necessary to have the aisles somewhat narrower, and did away with the settees which used to afford the visitor an opportunity to sit down near his favorites and enjoy a chat with some kindred spirit. There were plenty of birds, and plenty of good ones, and to have more might necessitate double tiering of the coops, and that is not to be recommended. We suggest and hope, however, that next year entries close earlier and that the management give more time and attention to arrangement of the exhibits. Some of the classes were scattered a bit, making it inconvenient to view them to best advantage for comparison.

The utility exhibit was good, what there was of it, but there was not enough of it. The association offered a liberal sum in cash prizes and no entry fee in the practical poultry department, but it was evident that utility men did not have a sufficiently clear understanding of their opportunity to see the advantages of showing. Most of the prizes were for dressed poultry, for eggs, and for practical exhibits by colleges. There was nothing in the published announcements to show that exhibits of pens of live utility stock would be made welcome or how they would be judged, although exhibits of well matched females with a male, in the utility department, would have been an attraction, and there was some talk during the show that such exhibits would have been received. It is easy to understand the position of the practical man who does not make a practice of dressing poultry at the home plant. He naturally would not want to kill and dress some of his best birds in order to try his luck at winning a prize on them. We would suggest displays of five well matched females with a male

in the popular variety utility classes for another show, prizes to be awarded by some judge of utility values. The pens ought to be selected for uniformity in shape and size, breadth and depth of body, size and quality of legs and frame, health, vigor and general condition. There might well be egg producing classes, meat classes and general purpose classes.

The Massachusetts State Poultry Association, which held its annual meeting during the show, has taken up the matter of utility exhibits with Manager Atherton for the 1914 Boston show with a view to promoting a better understanding and coöperation between the utility breeders and the show management. In order to facilitate matters the State Association appointed a committee to draw up a utility standard for the 1914 Boston show and to confer with Mr. Atherton in the matter of utility exhibits. The committee are Prof. J. C. Graham, Massachusetts State Agricultural College, John H. Robinson and Henry Dana Smith.

The show management offered a first prize of \$50, a second of \$25 and a third of \$15 for the best exhibit of live and dressed poultry, plans, appliances, etc., by an agricultural college, no entry fee. It is a pity that our agricultural colleges, particularly the New England colleges, failed to take advantage of this great opportunity to do a little real good, both for themselves and the interested public. The Massachusetts State Agricultural College was the only college represented in the exhibits and it had a very creditable display. Prof. J. C. Graham and an assistant were in charge throughout the show, demonstrating the exhibit for the benefit of visitors, who manifested a great deal of interest. Just why other colleges, who are bidding for poultry students and endeavoring to promote interest in their poultry departments, failed to get in on so attractive a public competition does not appear on the surface. It was a great opportunity for desirable publicity and the Massachusetts College exhibit entertained many visitors from all sections of the country, north, south, east and west. The "post box" of the exhibit in which addresses were left for college literature, took in over a thousand names in one day and they represented many different sections of the United States and several foreign countries.

Secretary-Manager W. B. Atherton and his press agent, F. H. Robie, should feel mighty good over the success of this 1913 Boston show. It was not only big and good, but it was well attended in spite of a good deal of unfavorable weather, and it was well reported and featured in the local newspapers. Just before the close of the show "Billy" Atherton was sought out by a crowd of enthusiastic friends,



hoisted to the shoulders of a few admirers, and marched around the hall in honor of his success as a big show manager, an all around good fellow and one who holds the friendship and respect of all who attend the great Boston show.

Opening day had a record breaking attendance in spite of the rain and drizzle provided by the weather man. After the show on the evening of the first day the association gave its annual banquet to exhibitors at the Copley Square Hotel.

Wednesday, as is the custom, was Veteran Fanciers' Day, and was celebrated in the evening by a feast of the veterans, who, while they banqueted, enjoyed reminiscences of the "good old days" to which distance lends so much enchantment. Those present, however, seemed mighty well pleased with present day progress and development.

Those present were: W. H. Brackett, Boston, age 84; F. B. Breed, Clinton, 78; M. L. Hervey, Worcester, 76; H. B. Coffin, Newton, 73; F. B. Perry, Brockton, 73; C. W. Richardson, Rhode Island, 72; C. B. Travis, Brighton, 71; Dr. W. H. Lott, Bellona, N. Y., 70; Frank C. Fowler, Connecticut, 67; W. H. Sylvester, Brockton, 65; Frank L. Fish, Boston, 65; C. A. Ballou, Worcester, 64; P. H. Freeman, Fitchburg, 63; George Urban, Buffalo, 62; Frank C. Nutter, Maine, 60; Dr. C. W. Coolidge, New Hampshire, 60.

Exhibits this year by the manufacturers of incubators and brooders and dealers in poultry equipment and supplies



First prize White Wyandotte cockerel at Ohio State Show. Bred and owned by Ira C. Keller, Prospect, Ohio.

were unusually fine and attractive and the various booths and displays were thronged with interested visitors throughout the show. As is always the case, the chick hatching and flocks of little downy youngsters in various types of brooders caught the crowd and sowed the seed of "hen fever" deep in the systems of many who came out of curiosity but went away determined to have a try out with poultry anyway.

The same old objectionable knock down and drag out soliciting policy seemed to be in vogue with many of the booths along poultry journal alley. We were button-holed by several solicitors for 50 cent papers who offered us their publications "free" if we would only give our name and address; "just turn over the pages and see all you get free," and winding up with an appeal "for just 25 cents to cover postage." Some went so far as to offer us two magazines a whole year for 25 cents. We wonder just how much value there is for the advertiser in such circulation. Of course he has to help pay for it. American Poultry Journal sold at a dollar a year throughout the show and our solicitor sent in a good number of new subscribers.

The judges of poultry at Boston were: C. A. Ballou, Buff Wyandottes and S. P. Plymouth Rocks; A. J. Braun, Polish; W. H. Card, Rhode Island Reds and Black Leghorns; M. L. Chapman, Campines; Frank Conway, Dorkings; M. H. Coffin, Partridge Wyandottes and Pheasants; J. H. Drevenstedt,

Partridge Plymouth Rocks, Silver and Columbian Wyandottes and American Dominiques; Arthur G. Duston, White Wyandottes; E. H. George, White Plymouth Rocks; H. B. Gleezen, Pit Games; John Kriner, water fowl and turkeys; W. G. Minich, Hamburgs, Games and Game Bantams; Richard Oke, Orpingtons and Spanish; F. L. Platt, Columbian Plymouth Rocks and Langshans; H. N. Rollins, Light Brahmas; F. W. Rogers, Dark Brahmas, Anconas and Brown Leghorns; Hugh A. Rose, Ornamental Bantams; Rowland Story, Minorcas; H. P. Schwab, Golden Wyandottes and Cornish; D. P. Shove, Houdans, Buckeyes and Buff Leghorns; C. H. Welles, Barred Plymouth Rocks; C. A. Wheeler, S. P. and Black Wyandottes; Geo. W. Weed, Cochins, Buff Plymouth Rocks and White Leghorns.

Following is a list of poultry classes compiled from the official catalogue:

#### Poultry Classes Boston Show, January 7 to 11, 1913.

Variety.	Cocks.	Hens.	Cock- erels.	Pullets.	Pens.	1913 No. in Totals. 1912.
Light Brahmas	9	13	10	12	7	79
Dark Brahmas	4	5	2	4	0	23
Buff Cochins	6	8	9	13	4	56
Partridge Cochins	3	4	2	5	3	29
Black Cochins	1	4	2	5	1	17
White Cochins	0	0	1	1	1	7
Black Langshans	5	10	10	9	1	39
White Langshans	1	2	1	3	0	7
Buff Langshans	0	0	1	1	0	2
Barred Plymouth Rocks	16	25	48	46	12	195
White Plymouth Rocks	21	29	54	44	16	228
Buff Plymouth Rocks	10	10	13	11	2	54
Partridge Plymouth Rocks	11	12	17	15	6	85
Columbian Plymouth Rocks	6	5	11	9	3	46
Silver Wyandottes	10	6	9	11	3	57
Golden Wyandottes	6	9	8	12	3	50
White Wyandottes	24	24	50	50	13	213
Black Wyandottes	1	3	1	4	0	9
Buff Wyandottes	9	9	11	12	1	46
Partridge Wyandottes	3	5	4	4	1	21
S. P. Wyandottes	11	13	18	21	0	63
Columbian Wyandottes	13	18	21	19	10	121
Blue Wyandottes	3	4	1	1	1	14
Buff Columbian Wyandottes	1	1	1	1	0	4
American Dominiques	3	3	5	3	1	19
S. C. Rhode Island Reds	18	21	41	26	13	171
R. C. Rhode Island Reds	13	10	22	17	4	82
White Dorkings	1	1	0	0	0	2
Colored Dorkings	1	1	1	1	0	6
Silver Grey Dorkings	12	16	6	9	0	48
S. C. Buff Orpingtons	18	14	31	37	15	135
R. C. Buff Orpingtons	1	2	0	0	0	4
S. C. Black Orpingtons	13	17	18	20	7	103
Blue Orpingtons	3	3	7	8	1	26
S. C. White Orpingtons	16	24	17	21	14	148
R. C. White Orpingtons	1	3	2	2	0	8
A. O. V. Orpingtons	1	2	1	3	0	7
Crested White Orpingtons	0	0	0	0	1	5
Buckeyes	5	5	3	4	0	17
Rhode Island Whites	0	0	0	0	1	5
S. C. Brown Leghorns	5	5	13	9	1	37
R. C. Brown Leghorns	4	4	4	3	0	15
S. C. White Leghorns	12	20	23	19	6	104
R. C. White Leghorns	3	3	6	3	2	39
S. C. Buff Leghorns	6	7	9	7	2	39
R. C. Buff Leghorns	1	2	1	1	0	5
Black Leghorns	2	6	8	6	2	32
Blue Leghorns	1	1	1	1	1	9
Silver Leghorns	0	1	1	1	0	3
S. C. Black Minorcas	2	3	8	7	0	20
R. C. Black Minorcas	13	18	14	18	4	93
R. C. White Minorcas	1	1	1	1	0	4
Blue Andalusians	3	5	3	3	1	19
Black Spanish	5	11	9	11	0	36
Mottled Anconas	7	16	12	19	1	59
Houdans	4	3	10	6	6	53
White Houdans	0	1	0	0	0	1
W. C. Black Polish	8	8	6	6	5	53
Silver Polish	1	1	1	1	0	4
Bearded Golden Polish	2	2	0	0	0	4
Bearded W. C. White Polish	0	0	0	0	1	5
Bearded Silver Polish	3	6	3	5	0	17
Buff Laced Polish	3	4	0	1	0	8
Blue Polish	1	1	0	0	0	2
Creve Coeur	0	1	1	1	0	3
Sicilian Buttercups	0	1	4	3	0	8
Black Hamburgs	13	21	20	27	2	91
Golden Spangled Hamburgs	5	7	8	14	1	39
Silver Spangled Hamburgs	14	22	17	19	3	87
Golden Penciled Hamburgs	1	3	2	2	0	8
Silver Penciled Hamburgs	1	2	1	2	0	3
Silver Campines	6	7	12	11	5	61
Golden Campines	2	6	7	6	2	31
Faverolles	2	2	2	2	0	8
Lakenvelders	1	1	1	1	0	4
Dark Cornish	3	3	4	4	0	14
Red Laced Cornish	1	1	2	4	0	8
Red Caps	1	1	1	1	0	4
Erminettes	1	0	0	1	0	2
Games	11	16	18	17	3	77
Game Bantams	10	11	16	16	2	63
Ornamental Bantams	23	32	25	31	3	126
Silkie	0	0	2	2	0	4
Fekin Ducks	3	3	3	3	1	17
Rouen Ducks	2	0	2	4	0	8
Call Ducks	5	2	2	2	0	11
East Indian Ducks	1	1	2	2	0	6
White Muscovy Ducks	1	0	0	0	0	1
Indian Runner Ducks	1	3	5	3	0	12
White Indian Runner Ducks	0	0	3	5	0	8
Buff Orpington Ducks	1	2	0	0	0	3
Bronze Turkeys	4	8	8	7	0	27
White Turkeys	1	2	1	1	0	5
Red Turkeys	1	3	2	1	0	7
Pheasants	0	0	0	0	0	10
Guineas	0	0	0	0	0	2
Geese	10	10	10	12	0	42
Total poultry (not including displays)						3,722
Total pigeons						2,133
Total rabbits						23
Total caviar						62



Exhibits of eggs, dozens.....	61
Exhibits of dressed poultry.....	10
Exhibits of dressed pigeons.....	22

Grand total (not including displays)..... 6,081  
Total, 1912..... 5,645

In addition to the exhibits included in above lists were many attractive displays, including: Water collection by G. D. Tilley, Darien, Conn., of Wood Ducks, Mandarin Ducks, Formosan Teal, Green-wing Teal, Blue-wing Teal, Pintails, European Widgeon, Baldpates, Chiloe Widgeon, White-faced Tree Ducks, Red-billed Tree Ducks, Fulvus Tree Ducks, Black-billed Tree Ducks, Call Ducks, Mallards, Sheldrakes, White-fronted Geese, Snow Geese, Indian Bar-head Geese, Swans, Canadian Geese, Indian Ducks, Brazilian Ducks, Australian Ducks and Red Head Ducks; also displays by same exhibitor of Peafowl, Cranes, Flamingoes and Secretary Birds. Otsele Farm, Whitney's Point, N. Y., had displays of water fowl, Silkies, Pheasants, Guineas and Phoenix Fowl. Massachusetts State Agricultural College exhibited 21 pairs of popular fowls. There were displays of Barred Plymouth Rocks by A. C. Hawkins, Lancaster, Mass.; Grove Hill Poultry Yards, Waltham, Mass., and Tywacana Farms Poultry Co., Framingdale, L. I. Tywacana Farms also had displays of White Plymouth Rocks and S. C. White Leghorns; Paul Klingbeil, Walpole, Mass., display of Partridge Plymouth Rocks; Rockandotte Farm, Southboro, Mass., White Wyandottes; M. R. Jacobus, Ridgefield, N. J., Golden Campines; Frank L. Andrews, Fall River, Mass., W. C. Black Polish; Old Acres, Foxboro, Mass., S. C. R. I. Reds; H. F. Davenport, Fall River, Mass., S. C. R. I. Reds; Harris Fisher Poultry Farm, Wayland, Mass., Light Brahmas; Albert Ellsworth, Athol, Mass., Anconas; Miss Margaret Mahaney, Concord, Mass., turkeys; E. G. Pond, Needham, Mass., pheasants; G. D. Tilley, Darien, Conn., pheasants.

We were pleased to find some of the good old varieties coming back, showing strength in quality and numbers. As a whole the judging of the show was satisfactory and there was very little complaint.

Judge Drevenstedt commented favorably on the quality of the American Dominiques which were in the winnings and said that they were the real old fashioned "Dominicker" and a type that should be preserved. We went over the birds with "Drev." and with A. Q. Carter, of Maine, and found the birds with the blue ribbons the most typical of the variety in size, shape and coloring of any which we have seen of late years. If the breeders will hold to this type and keep away from the Barred Rock style in shape and coloring we look to see Dominiques once more as popular on the farm as they used to be.

Buff Cochins were back again in goodly numbers and it was like old times to see the big fluffy fellows displayed once more by Oakland Farms of Taunton, which for a number of years has not exhibited this good old variety, although in earlier Boston shows these big strings were one of the leading features. The first pen were imported birds which were reported as winners at the Crystal Palace, England, show. Partridge Cochins, though fewer in number, were fine in quality and in Cochins alley we found our old friend Adolph Anderson, as enthusiastic as ever over his favorites, and he explained to us that the first cockerel and the winning five pullets were out of a single setting of eight hens hatched June 7. The cockerel was an exceptionally broad backed, fine, large, well colored specimen for so young a bird and the pullets were excellent in size and coloring. These birds are now owned by Edwin W. Dwight, of Framingham, Mass. Last season the strain was owned by Col. Clark and for many years before that the whole line was owned and bred by Geo. W. Mitchell, Bristol, Conn., under the direction of his poultry superintendent, Mr. Anderson.

Black Langshans were shown in good numbers and fine quality. We were particularly pleased with the first cock shown by Urban Farms, Buffalo, N. Y. There were also exhibits of White and Buff Langshans, but the latter variety does not appeal to us as one that will command much interest.

Barred Plymouth Rocks made a strong class and we found some of the young birds much to our liking, although the craze for fine, narrow barring seems to be being carried pretty close to the limit. Two of the pullets which pleased us most were in the Grove Hill Farm display pen and not in the competition. While the color was fine, it was the size and shape that particularly attracted us. There was fine length and breadth of back with good depth of body, tails well spread at base and legs set well apart. Combine such qualities with health and sprightly carriage and it should give practical values as well as show excellence.

White Plymouth Rock classes would have made a good poultry show all by themselves. There were some exceptionally fine birds in all classes and we did not hear any kicking over the way the ribbons were placed. In White

Rocks, Graves Rockandotte Farm, Southboro, Mass., first pen pleased us most. The birds were well matched and finely conditioned, the color was just about right, but it was the size and shape that pleased us most with this pen. The male was a fine shaped, big bird, possibly a little heavy, but not too heavy to suit New Englanders, who want size and weight in this variety. The females were fine in shape, size and color. We liked the length, breadth and depth of these birds and the angle at which the tails were carried, as well as the evidence of good substantial weight.

Other Rock classes were good. There were some fine Buff and Partridge Rocks that showed good type, and in Columbians we were glad to see better size as well as improvement in color markings.

White Wyandottes were a "blue banner" exhibit and Judge Duston enjoyed himself hugely while judging the classes. Arthur Duston surely loves a good Wyandotte and he had ample opportunity to handle some fine ones at Boston. His judging was a credit to himself and the variety. It was consistent all the way through. We were glad to see true Wyandotte type and shape, with a tendency to firmness of feather, taking the blue ribbons. John S. Martin came down from Port Dover, Canada, with a big string of fine birds and landed four blue ribbons on birds that are pretty close to our ideal for White Wyandottes. We had the pleasure of going over the classes with him and handling the winners, and it sure did give us a relapse of "Dotte fever." J. W. Andrews, of Dighton, Mass., captured first on pen.

There was good quality in Silver and Golden Wyandottes and in the Partridge and Silver Penciled varieties. Buffs were good in color, but many of them shy on Wyandotte type and shape. The winner of shape (male) special, while Wyandotte from head to hocks, was more the shape of an R. I. Red from hackle to tail tip. We would like to see more attention given to true Wyandotte characteristics in this variety. There were several better shaped males in the class than the winner. Columbian Wyandottes showed gains in numbers and quality and there were a number of specimens of fine shape, type and color. Among the newer varieties of 'Dottes on exhibition were the Blues and the Buff Columbians. Black Wyandottes carried good classes.

Orpingtons seemed to be holding their own in popularity in spite of reports that the boom had been on the wane. Buffs showed the strongest classes, with Whites and Blacks following close to the leaders. A new applicant for favor in the Orpingtons was an exhibit of a Crested White variety. This did not look to us much different from the common crested white fowl to be found in most farm flocks and we do not look for it to find favor until some individuality has been put into the breed to give it type and strength of breed characteristics.

Rhode Island Reds, in both combs, were in fine fettle with the same tendency to run into deep mahogany coloring and big birds, "the bigger the better to sell 'em," as some of the breeders say. We believe we like a brighter red and a smaller, neater bird. For practical purposes we think it a mistake to go beyond standard weights for this variety and our inclination would be to have them under rather than over standard weights.

There was plenty of interest in Leghorn and Minorca classes and all along the line in other varieties there was plenty of excellence and standard quality. It is not our intention to attempt a review of the whole show, as Judge Schwab is to make his usual report on the show and a veteran judge and breeder has promised us a review of both New York and Boston shows for an early issue.

We put in quite a little time in the pigeon exhibit, which was larger and better than ever. The pigeon breeders, with their systematic pedigree breeding from single pairs, certainly have worked wonders in color markings. Some of the color combinations would win a fortune for the man who could reproduce the same effect in a breed of poultry. Wonder why no one has made a persistent attempt to get away from the usual patterns in poultry colors. It ought to be possible to get something really new. The pigeon fancier handles color schemes in plumage with the deftness of the artist who works in oil colors.

Next Boston show is to be held January 13 to 17, 1914, and our fanciers are already getting busy with plans for exhibiting there. The utility men would do well to follow their example and plan ahead for the 1914 exhibition if they really want to be properly represented. We know Manager Atherton will welcome suggestions and will be glad to co-operate with everybody interested to make the next Boston show still better than his latest and best. Make your plans now and work them up through the year and then you will have the pleasure of knowing that you have done your level best to win, even if the judges do not hand you ribbons when the awards are all in next season. Get busy!





65,000 A. P. J.'s FOR FEBRUARY, 1913.

State of Illinois, County of Cook, ss.:  
G. M. Atwell, president of the Atwell Printing House, Chicago, being duly sworn, certifies that the American Poultry Journal has contracted for printing and binding sixty-five thousand copies of the February, 1913, issue.

G. M. ATWELL,  
Subscribed and sworn to before me this  
21st day of January, 1913.  
(Seal) HENRY G. EISERT,  
Notary Public.

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We guarantee our subscribers against loss due to fraudulent misrepresentation in any display advertisement appearing in the American Poultry Journal, providing the subscriber when ordering the fowls or merchandise states that the advertisement was seen in the American Poultry Journal, and places the order during the month or months in which the ad is inserted in our columns and notifies us of the fraudulent misrepresentation of the advertiser, giving full particulars, as soon as it occurs.

#### The "War" On Egg Prices

Chicago, New York, Philadelphia and Boston, as well as a number of smaller cities and towns witnessed, during December of the present winter, a somewhat sensational and spectacular "war" on egg prices, or, as the yellow journals put it, "busting the egg trust."

Certain earnest women of the Housekeepers' League combined with other earnest women in a movement which was intended to help lower the "high cost of living." They joined forces with certain sensational newspapers and with certain gentlemen, whose motives the public might be interested to have explained. The high price of fresh eggs as exploited in the papers was made the object of attack. We don't doubt the honesty of purpose and motive on the part of the many women who were drawn into this movement, but we have no doubt that a good many of them are now wondering whose chestnuts they were instrumental in pulling out of the fire.

Early in December when the crusade started there was an over-supply of eggs in storage. Reports of greater production on account of mild winter weather and slightly increased receipts had a panicky effect on certain merchants who held large storage stocks. The price of storage eggs began to drop, though the nearby fresh eggs at first held fairly firm.

When the "egg war" began prices of all grades of eggs had begun to decline and in some large reliable grocery concerns "selected storage eggs" were already selling at 25 cents per dozen. A Mr. Cassidy of Philadelphia, was prominently identified with the "war" on egg prices, and through him a large proportion of the eggs which were sold by the women's leagues were obtained. Though he was urgently requested, by the women leaguers in a public meeting, to disclose the source

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of his egg supply, he refused to do so. Egg stations were established by women in various parts of the several cities, and some made use of delivery wagons, and selected storage eggs were sold at 24 cents and in a few cases 22 cents a dozen. These eggs were represented as "eggs as good as the best." Statements were freely made that eggs really ought to sell the year 'round at 15 cents a dozen, that the price of eggs had been permanently broken, that some of the eggs sold were really fresh gathered and were being sold below cost just to break the extortionate prices which had been charged previously.

Now, as a matter of fact, practically all of the eggs sold by the "Leaguers" in this crusade were candled storage eggs. Mr. Cassidy in a public statement said that they were selected eggs from stocks placed in storage in April, 1912, that they had been candled and from one egg to four eggs per dozen thrown out as unfit for food. There you have it. A good many families were introduced to a quality of storage eggs that they had never before used in their households.

Some storage egg merchants were quite jubilant over the crusade and said they welcomed it as a demonstration to the public of the real value and wholesomeness of the storage eggs. A large grocery firm, however, made a public statement that puts another light on the matter. They said that they had been selling storage eggs at 25 cents a dozen for several days before the crusade started and declared that the demand created for storage eggs by the crusade meant a saving of many thousands of dollars to dealers who had been paying storage on large lots of eggs and which would in a few weeks have dropped to 15 cents a dozen. In other words, the activity of the women in breaking an "egg trust," that did not and does not exist, enabled a lot of merchants who were "long" on

storage eggs to unload their oversupply stocks at a good profit, instead of having to hold them a few weeks longer and sell at a loss. That is one way to "lower the high cost of living" by selling 15 to 19 cents worth of eggs at 24 cents.

Some customers of the "trust busters" complained that the eggs purchased had flat weak yolks and that there was a tendency, when the egg was broken, of the white and yolk to run together. That is a common failing of eggs of the quality of many that were sold by the crusaders. You can't get something for nothing, and real fresh laid eggs in winter cost too much to produce to admit of selling at storage egg prices.

The activity in storage eggs, the weather conditions and reports of heavier receipts and greater production cut the price of fresh laid eggs badly. In two weeks the wholesale price of real new laid eggs was cut from 55 to 39 cents per dozen. We were cut in price \$4.80 per case on eggs within two weeks in December and the increase in production was not enough to help much.

So much has been said about the wonderful profits to be made with poultry and so many remarkable tales of poultry profits have gone the rounds in newspapers and magazines, both as reading matter and as advertising, that those who don't keep hens are beginning to believe that 60 cents a dozen for fancy quality new laid eggs between Thanksgiving and Christmas time is nothing short of robbery.

Back on the farm where the hens shift for themselves, and where no care is taken of the fowls or eggs, the farmer sometimes gets as low as 8 to 12 cents a dozen for his eggs. That is because such eggs have been proved to be of doubtful quality and frequently have a number of bad eggs to the dozen. We don't want that sort of eggs ourselves and would rather go without.



We want a well-fed strictly new laid egg, one that will stand up firm and bright when opened, and one that has a good flavor. When we lived in the city we paid 50 cents a dozen the year round for eggs that we knew were properly fed and new laid, and we did not consider the price exorbitant.

The man who went from Maine to California and said he "found one sort of food the same everywhere and that was eggs," had a peculiar taste or lack of taste. We want our eggs fresh laid and we are particular how the hens are fed. It makes a difference. When we buy eggs we want that difference and we are willing to pay for it, and we know that there are a lot of people who feel the same way about it. There will be a lot more people who will insist on having real fresh eggs after they have been well dosed with the "selected storage" variety and have an opportunity to compare them with real well-fed fresh eggs.

The exact cost of production of well-fed, new laid eggs has yet to be determined. Necessarily it will vary a good deal with the location, local conditions and the number of hens kept, as well as the manner of keeping them. When reliable figures are obtained which include cost of housing, labor, and other cost of operation, as well as the cost of food consumed, it will be found that new laid eggs of the best quality cannot be sold at 24 cents a dozen the year around.

Ten years ago, when the writer lived in Wenham, Mass., we were selling eggs at retail at the door from Thanksgiving to Christmas, at 75 cents a dozen, and the consumers were so eager to get them that they engaged them well in advance. We did not hear any talk about extortion and extreme high prices at that time. During the same period in 1912 very few eggs changed hands at such figures, and in most cases which came to our notice, 65 cents was the top figure, with a few selling at 72 to 75 cents per dozen for selected large dark brown eggs. The prices on new laid eggs during November, 1912, up to the time of the slump in prices in December, were not very different from what they have been the past five or six years. The extravagant stories of "eggs at a dollar a dozen" and the enormous profits to be made in keeping hens for egg production, all tend to hurt the price of eggs. It takes very little publicity of the sort we had in the fall and early winter of 1912 to check consumption, lessen demand, and ruin prices.

When the figures are obtainable we believe that it will be demonstrated that it costs nearly three times as much to produce fall and winter eggs as it does to produce spring eggs. Also the net earnings of the average egg farm will be less per fowl on the high priced eggs of winter than on the low priced eggs of springtime. A good many egg farmers, when eggs are selling at 40 to 50 cents a dozen are really making very little above actual operation and production cost, owing to short yield, and they have to depend on the heavy production of low priced spring eggs to balance their earnings for the year and show a fair profit. We believe that a fixed price the year around for well-fed, choice, new laid eggs, would be much better for both consumer and producer. It would enable the egg farmer to go ahead with his work with the knowledge that he would be sure of a fair return for his labor and investment. Forty

cents a dozen every day in the year would, under present conditions, be a fair and just price for such fine quality eggs.

There are a good many drawbacks in egg farming on a large scale. It takes very little to interrupt egg production and change the balance from profit to loss. Operating cost with small flocks is seldom considered of much account, but when the flock grows from 100 to 1,000 the increased operating cost is considerable, and when the flock reaches 2,000 head, or over, the operation cost and risk of loss is proportionately much greater. Backyard flocks that feed largely on waste, and where labor is considered of little or no account, cannot be compared in cost of keep or in returns with large egg farm flocks, though when estimates are made such small flocks are frequently used to figure paper profits.

During 1912 the cost of feeding a hen a year on an egg farm carrying 2,000

a dozen the year through to show \$2.40 profit per hen. These estimates are for eggs of first quality, and eggs only, they do not consider chickens, sales of breeding stock or anything but eggs, those are in another department and should be considered separately. The assumption is also made that the first cost of the layer and her value as market fowl at the end of the year are practically the same. Not much indication of that alluring advertised \$7.00 to \$9.00 profit per hen here is there?

A man may be able to direct a 1,000 hen egg farm and attend to other business interests if he is fortunate with his hired labor, but when he makes the flock 2,000 or over he will find that it demands most of his time. A man who can successfully direct and conduct an egg farm, and produce first quality eggs that are properly fed, wholesome and desirable, is entitled to a fairly good salary—as good as he could get



PERFECTION III.

First prize Rose Comb Black Minorca cock at Madison Square Garden, January, 1913. Bred and owned by G. A. Clark, Seymour, Ind.

hens or over was not far from \$2.00. To this must be added about \$1.00 per hen more for housing, labor, and other operating expenses. That would make the twelvemonth upkeep for the egg farm hen about \$3.00 per hen for 1912. The cost of carrying only sufficient males for necessary breeding is figured into this estimate. A large flock should average 12 dozen eggs per hen per year. That includes marketable eggs and cull eggs. There will be a good many cull eggs, broken, cracked, small and dirty eggs, that have to be sold below the market price for best quality eggs. Washed eggs cannot be included in shipments of best quality, new laid eggs, without cutting the price on the whole lot. At above figures the egg farmer would have to get 30 cents a dozen for all eggs the year around to show an actual net profit of 60 cents per hen for the year; or 35 cents a dozen to show \$1.20 profit per hen; 40 cents to show \$1.90 profit; and 45 cents

through the same effort in other successful business. Egg farming, and the necessary chick hatching and rearing that go with it, calls for long hours at work, a good deal of hard work, confining work that is difficult to get away from, and a good deal of "overtime."

Suppose a man has a farm worth \$6,000.00 with buildings, that he winters 2,000 head of layers that stand him not less than \$1.50 per fowl, that the food for stock costs him \$4,000.00 a year, and that the operation expenses and labor cost him about \$2,000.00 a year more. Then bear in mind that he has to stand bad seasons as well as good seasons, that he has to look ahead to endeavor to "hit the market right," and that high prices for produce seldom come with high cost foodstuffs, high upkeep and high cost of living. (At least, it hasn't worked that way). If he gets 40 cents a dozen the year around for his eggs, less shipping expenses, it may mean that he gets \$3,-



00.00 a year as his own salary, including the interest on his investment. He has the risk of loss, and with such a flock he will come in for a good deal of hard manual labor as well as the main work of the enterprise. There are a good many things which can happen to knock \$500.00 off that annual return and he is liable to strike one or two off years in each ten that he will be fortunate to pull through with a five per cent profit on his investment. The egg farmer certainly earns his money and no one ought to begrudge him fair return for his labor. Personally we would like to see first quality new laid eggs go to 40 cents a dozen f. o. b. the egg farm and stay there the year through. For honest first quality goods it would be a fair price and much more in keeping with the real value of the product than are the prices of many other commodities.

Comparatively few egg farm eggs ever go into storage, they cost too much to produce and the live producer is alert to find a regular outlet at top prices,—he has to be. The great bulk of storage eggs, like those used in the recent crusade, are eggs that are collected by egg depots, collectors and country groceries and sent into market by large lot shippers. These eggs come from small and large farm and small lot flocks, from fowls that are largely scavengers that feed on waste and in the dung heaps. The eggs are gathered hit or miss, any old way, and the quality, which makes the price, is nothing to brag about. The producers get from 8 cents to 15 cents a dozen for these eggs, the price being governed by the average number of bad eggs found in the lots when candled. The 8 cents is frequently taken in trade at the store by the housewife and she counts her egg receipts all gain as the fowls have to pick up their own living as best they can. Such eggs cannot fairly be compared with the well produced fine quality product of the egg farm. When the government gets firmly established in its work of educating the farmers up to taking care of the fowls and producing better quality eggs and giving them better care, such producers will find that they have to get a better price for better goods and they will demand it.

Meantime the "egg war" is a thing of the past, the oversupply of storage

stocks was worked off and it is doubtful if the public will again stand for the same sort of game for some time to come. New laid egg prices are mending. Possibly they might have dropped as low as they did without the crusade. While the price still holds at cold weather figures; the wise producer will endeavor to make a contract to dispose of his entire output at fixed price the year through and there should be plenty of consumers who will contract to pay 35 to 45 cents a dozen for guaranteed well-fed new laid eggs.

### Does Commercial Egg Farming Pay

One of our subscribers sends us the following editorial clipped from the December 21, 1912, Country Gentleman and asks if the statements are true according to our experience and observation. Here is the editorial question:

#### "Fifty Per Cent on Poultry?"

"A popular magazine presents an astonishing story of an egg farm that is making an income representing fifty per cent profit on the investment! The author has not heretofore been known as a humorist and the magazine presumes to look upon the farm industry seriously. This could be passed as a jest were there not so many earnest inquirers concerning profits in poultry. To them it is misleading.

"One of the leading government authorities on poultry raising was recently heard to say that he did not know of a single commercial egg farm that was paying ten per cent upon the investment. In fact, he knew of but very few that were to be counted successes at all. Even the farm hen who digs up her own food and finds her own shelter can show no such alluring profits as this writer mentions. There are enough handicaps in poultry raising without the addition of such extraordinary statements."

Just at the present time the commercial poultry business is suffering from too much publicity of the wrong sort. There have been too many wonderful tales of wonderful profits, too many lists of figures that lie, too much

newspaper talk about the exorbitantly high prices of winter eggs, and too much of "taint so" and "'tis a lie" on the other side.

We know of very few "commercial egg farms" that are operated exclusively as egg farms. Most of them raise chickens, sell broilers, roasters and fowl. We don't know all the inside facts about the many successful poultry farms which we have visited. There are not many successful men in any business that would open their books for publication without restriction. You can't expect a man to publish the actual items of his business expenses and receipts, but when you see that he is prosperous and continues in business year after year you can be certain that the business is paying him or he would be seeking other employment that calls for less work and shorter hours. Following is a statement which came to us January 1st from a gentleman who "egg farms" one thousand hens as a side line. His yield is not remarkable, probably just about average, but he is pleased:

#### Record of One Thousand Pullets.

Month.	Marketable Eggs Laid.	Value.
January .....	9,300	\$ 271.25
February .....	11,200	336.00
March .....	17,050	312.58
April .....	19,500	373.75
May .....	18,600	341.00
June .....	16,500	316.25
July .....	13,950	325.50
August .....	9,300	240.25
September .....	9,000	270.00
October .....	6,200	222.16
November .....	6,000	250.00
December .....	6,200	222.16

Totals ..... 142,800 \$3,480.90

Average number of marketable eggs per hen for the year, 142.8 eggs.

Average price per dozen received, 29¼ cents.

Amount invested in farm, houses, horse and equipment, \$4,500.00.

Value of pullets at beginning of year, \$1,250.00.

Value of fowls on hand December 31, \$1,250.00.

#### Memo.

All food for 12 months for 1,000 hens and 1 horse.....	\$2,120.00
Labor for year, including board and washing .....	600.00
Taxes on farm, stock and buildings .....	40.00
Depreciation, repair and loss (acct. poultry) .....	80.00
Express on eggs for year....	138.90

Total expense ..... \$2,978.90

Received from sale of marketable eggs ..... \$3,480.90 |

Value of cull eggs used at home and sold at door..... 100.00

Total ..... \$3,580.90

Net profit on eggs from 1,000 hens one year, \$602.00.

The farm was used for other purposes besides poultry. The horse and labor were used for other farm purposes besides poultry. In view of these facts and the further information that the proprietor was able to attend to his regular city business besides overseeing his farm, that the family had a comfortable country home with the good things that go with it and enjoyed the best of health; it would appear that in this instance commercial egg farming as a side line paid rather bet-

## WHITE ORPINGTONS

### An Established Strain with an Established Record

Write for catalogue giving list of winnings at Madison Square Garden, Chicago, Buffalo International, Cleveland, Allentown, Hagerstown and Pittsburgh. We have supplied hundreds of guaranteed winners and have started thousands of people in the chicken business with breeding stock at moderate prices, quality considered. We are now booking orders for winners for the fall and winter shows, in Single Comb as well as the new Rose Comb White Orpingtons, on payment of a small deposit.

#### We have improved the White Orpingtons and we can improve your flock

A few bargains left in yearling breeders. "Poultry for Profit" gives the essentials of the poultry business. Price 25 cents. It contains no advertising. Our advertising is free for the asking.

### LAWRENCE JACKSON FARM

BOX A, HAYSVILLE, ALLEGHENY CO., PENNA.

FIRST PRIZE WHITE ORPINGTON COCK BUFFALO SHOW 1911.  
BRED AND OWNED BY  
LAWRENCE JACKSON - HAYSVILLE, PA.



ter than ten per cent on the investment.

The gentleman who furnished us these figures positively declines to have his name and address made public. He is experimenting with egg farming as a side line on his home farm with a view to keeping as many fowls as his farm will accommodate and that one poultryman can care for. He pays his poultryman \$25 a month with board and washing which he considers is the equivalent of a salary of \$600 a year.

It will be noted that in October, November and December the egg yield was only about 20 per cent for the flock; in January, August and September, 30 per cent; in February, 40 per cent; in July, 45 per cent; in March and June, 55 per cent; in May, 60 per cent, and in April, 65 per cent. The pullets were of American varieties and were purchased at \$1.25 each.

Most egg farmers with whom we are well acquainted do not claim a profit from eggs alone of more than one dollar per hen per year above cost of food and that dollar has to pay for operating expenses and interest on the investment. We believe that most of them make a profit better than one dollar per hen above cost of food. In the statement here given it will be noted that the thousand hens paid a profit of a trifle more than \$1.20 per hen above cost of food and other expenses, not including labor, and that after paying \$600 for labor the profit to the credit of each hen was a little more than 60 cents per bird. Our friend says that the way he figures it his poultry for market eggs exclusively are paying him about 12 per cent on his actual investment in egg farming, in-

cluding labor, and he considers that very good.

We will be pleased to receive actual facts and figures from egg farmers who are willing to make a report of actual investment, expenses and receipts. Names and addresses will not be published if we are so requested, but we would prefer to have permission to publish names as a guarantee of the statement.

E. T. DeGraff

At the annual meeting of the American Poultry Association, held at Niagara Falls, N. Y., August, 1909, Mr. E. T. DeGraff, of Amsterdam, N. Y., was found guilty of conduct unbecoming a member and was expelled from the association. Previous and up to that time Mr. DeGraff was an extensive advertiser in our columns, but since that time his advertising has not been admitted to our pages until this issue.

Believing that his exclusion for over three years has been sufficient punishment, and upon his assurance that it is his intention to set the pace for square dealing in all his transactions in the future, we have again accepted his contract for advertising and his ad appears in this issue.

We believe that everybody who is at all familiar with the Rhode Island Red history for the past ten years will admit that it was largely through Mr. DeGraff's efforts that this variety came to be the popular fowl that it is today, and in our opinion this is a further reason that he should again be given the privilege of advertising in our columns.

There is no doubt but what Mr. De-

Graff has made some serious errors and has done that which would have been better left undone; but who is there among us who has not made errors? Therefore let us be charitable and trust that Mr. DeGraff, in the future, will profit by the errors made by both himself and others in the past.

### Political Pot Boiling

At this season of the year it is becoming customary for candidates for the various offices in the American Poultry Association to make announcement of the fact that they are candidates for nomination. We take pleasure in informing our readers that we have received communications from the following gentlemen, informing us that they are candidates for either re-election or as new members of the American Poultry Association: Mr. S. T. Campbell, Mansfield, Ohio, informs us that he is a candidate for re-election to the position of secretary of the American Poultry Association and on his past record asks the support of the members of the association and assures us that in the future, as in the past, he will conduct the affairs of the association in the same businesslike manner that has proven successful during the past three years. During the time that Mr. Campbell has filled this important office we have seen the American Poultry Association grow in numbers from a few hundred to several thousand. Of course, all the credit does not belong to Mr. Campbell, but we believe that a large share of it does, as he has certainly handled the affairs of the association, so far as his office was con-

# REGALS AT BOSTON



Crusader III, a Boston Winner

After a series of unparalleled winnings in the leading shows of the United States and Canada **MARTIN'S REGAL WHITE WYANDOTTES** win their crowning triumph at the great Boston Show January 6—11, 1913. They win as follows—Arthur G. Duston, Judge: Cocks, 1st and 6th; Hens, 1st, 4th and 5th; Cockerels, 1st, 3d and 4th; Pullets, 1st, 3d and 4th; Pens, 2d, 3d and 4th.

First Display with a score of 72 points, which is the highest score ever made in White Wyandottes at the Boston Show.

American White Wyandotte Club ribbons for best Cock, Hen, Cockerel, Pullet and Display. A. P. A. Diploma for best Cockerel. Special for best three Cockerels and three Pullets, and \$100 Challenge Cup for best Female. My exhibit of Regal White Wyandottes was the sensation of the show, and my four Blue Ribbon winners were praised by judges and breeders as models of Wyandotte type. This winning in the leading White Wyandotte show of America places the Regals far in advance of all competitors.

2,000 Cocks, Hens, Cockerels and Pullets for sale of the same breeding as the winners. Send 4 cents in stamps for the Regal White Wyandotte Book, the finest book ever published dealing wholly with the White Wyandotte. Catalogue and mating list free.

Eggs for hatching from prize matings \$5 per 15, \$9 per 30, \$24 per 100. Special matings \$10 per 15, \$25 per 45

**JOHN S. MARTIN :- BOX 51 :- PORT DOVER, CANADA**



cerned, in a very businesslike manner, and, we are informed, without a single complaint and we certainly wish Mr. Campbell every success in the coming campaign.

We are also in receipt of a communication from John A. Murkin, Nashville, Tenn., who informs us that he is a candidate for the office of secretary of the American Poultry Association at the coming election. There is no doubt but that Mr. Murkin can fill this office with entire satisfaction, as he is a man of good business and executive ability.

Mr. W. C. Denny, business manager of the American Poultry World, Buffalo, N. Y., makes the announcement that he is a candidate for membership of the executive committee of the American Poultry Association. Mr. Denny has been a member of the association since 1901 and was a member of the 1910 revision committee and assures us that if elected he will do his utmost to serve the best interests of the association and the poultry breeders in all sections of the country.

Mr. S. J. Hopper, Dallas, Tex., who is at present vice-president of the American Poultry Association, and therefore a member of the executive board, makes the announcement that he desires to be elected a member of the executive board at the coming election.

The American Poultry Journal has a very friendly feeling toward all of the above candidates, but as we do not use our columns for political purposes, we do not recommend any particular candidates, as we believe that it is up to the rank and file of the American Poultry Association to make their own selection in matters of this kind.

#### Retirement of H. V. Crawford

As previously announced, Mr. H. V. Crawford, who has conducted so many successful poultry shows in Madison Square Garden, New York, has laid down the reins, and no more will this "grand old man" be burdened with the great responsibilities of conducting this, the greatest poultry show in America. As a fitting climax to his long and successful management the last show surpassed all others in quality, number of birds and attendance. Upon the retire-

ment of Crawford the New York Poultry, Pigeon and Pet Stock Association elected Mr. Charles D. Cleveland as his successor. Therefore Mr. Cleveland has taken up the reins laid down by Mr. Crawford and next year this great show will be under his management.

The association certainly made a wise selection, as Mr. Cleveland is well qualified to fill an important position of this kind and he takes up his duties with the best wishes of his hundreds of friends in the poultry world.

#### A Grand Achievement

For the past twenty-five years the poultry breeders from all parts of the country have looked forward each year to the coming of the Madison Square Garden Show; have given their time, skill and money in their endeavor to produce birds that would win at this great show. Many have been the disappointments after the awards were placed. During all these years the Barred Plymouth Rocks have led in numbers at this show, and consequently in this variety the competition has been the keenest, as it is here each year such well-known breeders as Hawkins, Thompson, Latham, Bright, Bradley and many other Barred Rock breeders meet in battle royal for the honors.

The class of Barred Plymouth Rocks at the late Madison Square Garden Show was simply superb, and for that reason the winning made by E. B. Thompson, Armenia, N. Y., stands out as a grand achievement. He made a magnificent exhibit of fifty-six birds and won the following prizes: First, second, sixth and eighth on cockerels; first and sixth on pullets; first, second and fifth on exhibition pens; first on cockerel mated pen; second, third, fourth and fifth on cocks; the imperial prize of the show sweepstakes special for champion male; sweepstakes special for champion female; diploma presented by the American Poultry Association for best cockerel; sweepstakes cup for best Plymouth Rock hatch in 1912, male or female, in variety; challenge silver cup for best exhibition pen; special best shaped male; special best shaped female; special best colored male; special best colored female; best cock, cockerel, hen and

pullet; four best cockerels; four best pullets; \$25 special prize presented by the New York Show for finest display. All silver cups and cash specials.

Mr. Thompson is certainly to be congratulated upon this grand winning, but this accomplishment only goes to prove what can be done where a man devotes his time, money and experience in aiming to accomplish a certain end. It has taken a great many years for Mr. Thompson to breed his Barred Plymouth Rocks up to their present high state of perfection, but he always had one object in view and that was the improvement each year over what he had produced the previous year, and as long as he continues along this line he will continue to produce more and better Barred Plymouth Rocks.

#### Not A Candidate

We recently received a communication from Robt. H. Essex, Buffalo, N. Y., in which he requests us to inform those interested, that he is not a candidate for the presidency of the American Poultry Association; that while he fully appreciates the honor of the proposal, the New York branch presidency together with the work of assisting in the preparation of the Market Poultry and Egg Standard take up all the time he can afford to devote to this branch of work, and wishes to thank his many friends who, at New York and Chicago shows, urged him to accept the nomination.

#### A Correction

In our report of the Chicago show in our January issue, the statement was made that Carl D. McCarthy, Kempton, Ind., made his winnings on Single Comb Rhode Islands Whites. Mr. McCarthy breeds only the Rose Comb variety.

We also stated that he won cup for best shaped male. This should have been best shaped Rhode Island White.

Williamsport, Pa., Jan. 14, 1913.  
Editor American Poultry Journal.

Dear Sir:—Referring to Mr. A. P. Edge's article, "The Standard Bred Bird versus the Egg Farm Bird," con-



Pen of Prize Winners

My display of 40 male birds was the attraction of the great Chicago Show, December 12 to 17, 1912

## RUDY'S PERFECTION WHITE WYANDOTTES

Superior to others. The Acme of Perfection. Satisfaction guaranteed or money refunded.

### 1,000 Birds For Sale

of correct Wyandotte type. White as snow. My customers win with "Perfection" Wyandottes in the hottest competition.

Send for My Art Catalog. Absolutely the best book of its kind. Gives full information on how to succeed, how to take care of baby chicks, what to do when your fowls are sick. An article on how to fit birds for the show room is worth dollars to any breeder. Send 10c in stamps to help pay cost of mailing, etc.

Geo. H. Rudy, R. 15, Mattoon, Ill.



tained in your December issue, would say that while I agree thoroughly with him in the majority of his statements, yet I do not agree with him that it is the egg farmer that is responsible for the present prosperous condition of the poultry business.

The fancier, in my opinion, has brought the business up to its present height, and his enthusiasm and never-ending work in developing birds, and finally bringing them up to the high mark set by "The Standard" is, in my opinion, responsible for the great number of people who have taken up poultry raising in late years. It is the fancier who is the heart and soul of our poultry associations, and who works overtime to put on our shows. While the egg farmer may "grow two blades of grass where one grew before," yet the fanciers in our section, by careful work and attention to their business, are well satisfied with the results of the past year, and are ready to start 1913 with the same idea of securing results and profits by the breeding of standard bred poultry only.

Respectfully submitted,  
Geo. J. Hanks.

#### DR. WOODS' NOTES AND COMMENT.

The big shows now over, it is time to get busy with the breeders and hatch out another bunch of better winners for next season. Incidentally, some A. P. A. politics are hatching. Several folks have a "hen on."

E. B. Thompson, Amenia, N. Y., is a candidate for next president of the American Poultry Association. He has entered the lists after careful consideration and at the earnest solicitation of his many friends in the fancy. Some other very capable men have been mentioned for the office and they are very good friends of ours, but, nevertheless, we would like to see a fancier of Mr. Thompson's standing and ability the next occupant of the presidential chair and we believe that it would not be dif-

ficult to make the election practically unanimous.

Present secretary S. T. Campbell, Mansfield, Ohio, is a candidate for reelection to the position of secretary of the American Poultry Association. Mr. Campbell is a conscientious worker and is very much in earnest in his efforts for progress and a truly representative organization. He has the advantage of being thoroughly familiar with the work and the association should be able to turn his experience to good account if he is kept in his present office.

Samuel J. Hopper, of Dallas, Tex., is putting up a vigorous personal cam-



Type and markings of one of Riverview's Ancona cockerels. Bred and owned by Willard J. Thorniley, Marietta, Ohio.

paign for a place on the executive board of the A. P. A. The editor from the Lone Star state will never be described as bashful or lacking in aggressiveness in asking for or taking what he wants. In Mr. Hopper's announcement of his candidacy he says: "I have been and am now in favor of open meetings of the executive board EXCEPT when, by a majority vote of the board, they deem the nature of the question under discussion prohibits an open meeting." The capitals in the

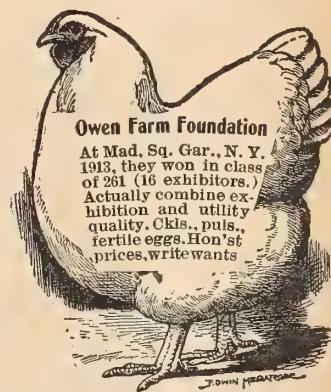
word "except" are ours as the clause which follows makes the statement without any value as any indication of real support of open doors at executive board meetings. Why quibble? Either a man believes in open meetings or he doesn't.

Another candidate for the executive board is Lewis G. Heller, of Bridgeton, N. J. Mr. Heller is a poultry judge.

John A. Murkin, of Nashville, Tenn., urged by his friends, has authorized the use of his name as candidate for the office of secretary-treasurer of the A. P. A. Mr. Murkin has many friends who have promised to support him for office.

There is a lot of criticism of the parcels post. We hope it will all work out so that we will get a truly practical and permanent parcels post that is as good as that operated by the British government. Some magazines are busy telling us that we have been handed a "gold brick" in the present parcels post system, that it is only an "imitation" and that in many cases the zone

## WHITE WYANDOTTES



#### Owen Farm Foundation

At Mad. Sq. Gar., N. Y. 1913, they won in class of 261 (16 exhibitors.) Actually combine exhibition and utility quality. Chks., pullets, fertile eggs. Hon'ble prices, write wants.

H. N. Hanchett : Vineyard Haven, Mass. Eighteen years a breeder and advertiser in A. P. J. Formerly of Jackson, Michigan.



FIRST PULLET AT TOPEKA, KANSAS, DEC. 1911

## KEELER'S WHITE WYANDOTTES

### The Aristocrats of the White Wyandotte World

They combine size, shape, style, head points and, above all, the power of reproduction, having been line and pedigree bred for the last nineteen years. They possess the best blood lines in existence.

### The World's Greatest Strain

Of the world's best breed. This strain has established more successful breeders than any other strain. This strain produces a larger per cent of high class birds than any other. Have produced the winners at America's leading shows for the past nineteen years, i. e., Chicago, Kansas City, Indianapolis, Cleveland, St. Louis World's Fair, New Orleans, Denver, Los Angeles, etc. The strain that you must have to be successful. Better buy them first as last. Start right by starting with Keeler birds.

### EGGS EGGS EGGS EGGS EGGS EGGS ETC.

For the season of 1913 I have made sixteen of the grandest matings that have ever graced Keelersville. They contain most of my prize winners at Topeka, Kansas, December, 1911-12, and the best birds raised the past three years. Sons and daughters of these great birds. They are bred right and mated right to produce the winners at America's largest and best shows next season the same as they have done in the past. My 60-page 1913 art catalogue of America's finest White Wyandottes, describing the sixteen best matings in America, free for the asking (stamps accepted). Eggs, \$5 per 15, \$9 per 30, \$14 per 50, \$25 per 100. Eggs from special matings, \$10, \$15 and \$20 per 15. 500 cocks, hens, cockerels and pullets in selected breeders at from \$15 to \$150 a pen. State your wants clearly and address, mentioning American Poultry Journal.

Keelersville, Chas. V. Keeler Proprietor and Mgr., R. 11, Winamac, Ind.



system makes the cost of using the mails almost prohibitive, and that in some cases it is cheaper to use express. Further comment suggests that it is the intention of politicians to make our parcels post so cumbersome and costly that it will be abandoned and the business again turned back to the private interests controlling the express companies. The matter is worth your careful consideration and investigation. Read up on what is doing in parcels post in other countries. Find out what the parcels post will do for you. One writer claims that Great Britain has a flat contract with one of our express companies to carry all packages delivered here by British post, regardless of weight up to eleven pounds and regardless of distance anywhere in the United States, for the small sum of 24 cents per package. That means that the British parcels post can deliver an eleven-pound package from New York City to San Francisco for the small sum of 24 cents. To send the same weight package the same distance by our own parcels post would cost \$1.32. Look it up and find out the facts for yourself. It might be worth your while to write your representative in Congress and ask him why the citizens of the United States cannot have equally as good a parcels post service as the people of other countries.

Newspapers are informing the public that the parcels post will now permit the farmers to deliver new-laid eggs at his city customer's door at the modest price of 25 cents per dozen. We don't believe that many egg farmers will enthuse over that proposition after they investigate, and we would like to have

our newspaper friends explain how it can be done. An egg package to hold one dozen eggs, such as has been approved by the postal authorities, costs about 6 cents. It weighs empty about 12 ounces. Packed ready for shipment with a dozen eggs it will weigh about 40 ounces. To deliver 40 ounces in the 50-mile zone costs 11 cents, in the 150-mile zone 14 cents, and in the 300-mile zone 17 cents. Suppose you have a customer in the city, 25 or 30 miles away, who orders a dozen eggs and sends you a quarter to pay for the eggs and delivery. The container costs you 6 cents; it won't cost you much less than 3 cents' worth of time and labor to pack the package and deliver it at the post-office, and the postage costs you 11 cents. That makes a total of 20 cents to get the eggs to your customer and you have 5 cents left out of your quarter to pay you for the eggs. Can't you see the grand rush to get into the mail-order egg business on this basis? Would you do it? Will you attempt it? We figure that we can make a flat rate for best quality table eggs the year round delivered by parcels post in the 50-mile zone of 60 cents a dozen in orders for three dozen in same delivery. On any other basis it don't interest us.

Egg prices in eastern markets stiffened a bit for the middle of January on the best near by fresh laid eggs, but did not get back to normal winter prices. The continued mild weather helped to hold the price down. Most feeding grains started to climb in price soon after the first of the year. With the eggs for hatching season coming on and production increasing there is opportunity to make good in spite of mar-

ket conditions. We note that some writers tell us that the break in winter prices did not hurt the producer of best quality fresh-laid eggs and that the crusade against egg prices with consequent unloading of large storage stocks "will have the effect of keeping up the prices on strictly fresh hennery eggs during the balance of the winter." Wonder if they know what they are talking about. There are still some pretty heavy stocks of storage eggs that are being carried over into February in hope of a chance to unload at better prices. It will take a mighty cold wintery February to help prices much in an upward direction. We would like to have some of the "knockers" on egg prices tell us what it costs to produce "strictly fresh hennery eggs." When you put down the figures don't fail to figure operation, labor and upkeep expenses of the egg farm as well as the actual cost of feeding the fowls.

\* \* \*

We acknowledge a number of poultry supplies sent to the Director of American Poultry Journal Experiment Station, Silver Lake, Mass., by parcels post. These will be given careful test and if the tests warrant it will be reported in A. P. J. later on.

\* \* \*

C. L. Whitney, editor of Profitable Poultry of Boston, formerly of Connecticut and now of Massachusetts, wants to know where he stands in the membership of the State Branch of the A. P. A. At a meeting of the Massachusetts State Branch, held during the Boston Show, he tells us that the officers declined to recognize him as a member of the Massachusetts State Branch and he was unable to produce



# S. C. RHODE ISLAND REDS

GRAND CHAMPION WINNERS  
NEW YORK, BOSTON, CLEVELAND and CHICAGO

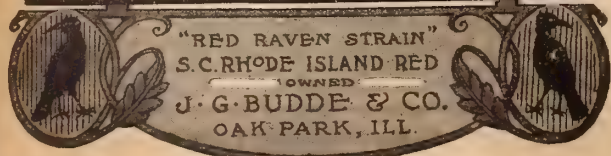
Exhibition and breeding birds from  
our Champion winners at low prices.

Cocks, Cockerels, Hens and Pullets  
at prices that will interest you

EGGS from our New York, Boston,  
Cleveland and Chicago winners at  
\$10, \$7.50, \$5 and \$2.50 per setting.

Our book on Reds tells you How to Mate  
and Exhibit Reds. Sent on application.

J. G. Budde & Co., Oak Park, Ill.





any certificate of transfer from the Connecticut State Branch, of which he was formerly a member. Here is a tangle for the Executive Board to straighten out. What becomes of a man's branch membership when he changes his legal residence from one state to another, and what provision is made for transferring members from one branch to another?

\* \* \*

We are just a bit interested ourselves, as we joined the American Poultry Association from Middleton, Mass., August 14, 1907. We have maintained a legal residence in Massachusetts ever since we reached voting age in 1891, but since 1907 we have spent a good deal of time out of the state—in fact, spent about three years in western New York, and part of that time our address in Proceedings of the Association was given as Buffalo, N. Y. Within a few months after our return to Massachusetts from Buffalo the Massachusetts State Branch recognized us as a branch member without question. We were unable to attend the 1913 meeting, and we are wondering whether the Branch considers us a member or not.

#### ATLANTIC CITY WANTS NEXT MEETING OF A. P. A.

The New Jersey branch of the American Poultry Association hopes that every member of the association will vote for Atlantic City. Inasmuch as St. Louis, Denver and Nashville have had the last three conventions, Atlantic City is the logical place to hold the next convention, sentiment laid aside.

Furthermore, it is a well known fact that Atlantic City is the convention

city of the United States. Ample hotel accommodations at reasonable rates can always be obtained. No city offers better railroad rates than Atlantic City during the summer season. This is a well known fact.

The big poultry plants of the East are within an hour to three hours ride—New York city, the metropolis of the East, is but three hours; Philadelphia, one hour, with almost hourly trains.

A reception, clam bake, chair ride on the famous boardwalk, a bath in the ocean, good lectures by the best experts in the country are a few of the things the New Jersey branch has outlined for the entertainment of the members.

The New Jersey branch is making every effort to make this the largest and best convention ever held, which is saying much in view of the past conventions at Denver and Nashville. One thing the members of the American Poultry Association can rest assured of is that they will have cooling sea breezes and a dip in the ocean should a hot spell be on. One can always find comfort on the piers and boardwalk in the hottest weather.

The New Jersey branch welcomes all the members, and if they are not entertained to their satisfaction it will be because Atlantic City has lost its charm and the members their ability.

Vote for Atlantic City, where cool breezes sing, the state of big poultry plants and big things.

J. H. Wolsieffer,  
Chairman Publicity Committee.

A recent census of the agricultural students at the University of Missouri engaged in the short course work shows

the following interesting figures: Out of 180 students enrolled in the General Farm Poultry Course, eight states were represented and fifty-eight counties in the state of Missouri. Less than ten of the boys came from the city and, including these in the census, it was found that the average farm poultry flock is about 180 chickens.

Mr. Charles D. Cleveland, who will succeed to the management, is just the right man for the place—a capable breeder and a man of brilliant qualities and executive ability. He is respected by all who know him and will receive the support of every breeder with honest desires for the success of America's Greatest Show.

Mr. Richard Oke, London, Ont., has been mentioned for member of the A. P. A. executive committee. This suggestion meets our approval to a dot. Mr. Oke deserves well of the members for his is another life devoted to the success of poultry and poultrymen. Sir Richard, we wish you success.

#### "DON'T BE A CLAM."

Some one said of fishing. "A fish on one end of a line and a fool on the other." I have a lingering suspicion that the biggest fool of all was the man who said that. He never gets Darlington's S. C. Wh. Leghorns, which proves my suspicion.

Darlington Egg Farm. Alfred P. Edge, Box B, Darlington, Md.

## BABY CHICKS—U. R. Fishel's White Plymouth Rocks the Best in the World

### Get All My 1913 Improvements in This Great Peerless Incubator



**D**O not think of buying any incubator anywhere until you have learned about the marvelous improvements I have perfected this year. Make no mistake. You want the machine which hatched 2,200 chicks from 2,400 eggs for A. Groshell, of Tacoma. You want the machine which hatched 2,156 Pekin Ducks and 540 Chicks for Wm. Redeker. He says he lost less than 5% of ducks and chicks hatched.

100,000 poultrymen are Peerless enthusiasts—every one a successful poultry raiser, everyone making handsome poultry profits, every one a Peerless booster.

Peerless records everywhere are the sensations of the poultry world. There's no taking chances with a Peerless—no guess work. If there's a chicken in an egg, a Peerless will hatch it.

### Peerless Incubators

Are the Best on Earth

#### My Big Book Tells All

**Saves Money.** It describes in detail my wonderful Acme fixtures. It tells how you can get the best—absolutely and finally the best—incubator in the world and save money in the bargain, by buying Peerless Incubators disassembled, complete with all fixtures, ready for you to put together yourself in a few hours' time. Anyone can do it. This book is the greatest incubator book of the year. It tells too, about

#### Big Money in Custom Hatching

the wonderful, new and profitable way to make money in poultry with my brand new 500-egg unit machines. Each unit complete and self-contained. No outside heating plants, no boilers. The only successful 500-egg machine ever built. Learn about

#### My New Moisture Generator

which can be attached to any incubator, old or new, and assures perfect moisture always. Every incubator on earth should be equipped with this new generator. Send for this book right now—tonight.

**This Is Why:** Peerless Incubators are made with my famous Acme Automatic Fixtures. For over twenty years the most successful men in the poultry business have used Acme Fixtures. The very latest and best that my skill and experience can produce—my 1913 improvements are all yours in a Peerless Incubator.

The Peerless Automatic Vapor Heating System.  
The Peerless Automatic Moisture System.  
The Peerless Automatic Ventilating System.  
The Peerless Acme Automatic Lamp.  
The Perfected Acme Trip Burner.  
The Acme Tandem Double Compound Thermostat Regulator.

These are the exclusive patented fixtures that make the Peerless Incubator the greatest and surest hatcher. There are no other fixtures like them. I guarantee my Automatic Lamp with the trip burner will save half of your oil. I guarantee my Tandem Double Compound damper and flame regulator wipes out large operating expense and trouble. I guarantee my Automatic Vapor heating system, Automatic Moisture system and Automatic Ventilating system are the biggest incubator improvements you ever saw on an incubator.

H. M. SHEER, Dept. 13, Quincy, Illinois

Make Your Old Machine New  
My famous Acme fixtures, lamps, tanks, regulators, etc., etc., can be placed on any incubator. Fix up your old machines with my fixtures and make them modern hatchers. Don't repair an old machine of any make until you talk to me.  
—H. M. SHEER



# QUESTIONS AND ANSWERS

Questions will be answered in this department only when full name and address is signed by the writer.

Conducted by Prince T. Woods, M. D.

## Meat Food.

Q. Which is the best way to feed meat and bone—the commercial meat scraps or green bone procured from the butcher and cut at home in a bone mill?

Will the latter furnish enough meat for the flock or is it necessary to feed meat in addition to the ground bone? I understand that green cut bone contains about 45 per cent water while the commercial scraps contain little or none. In view of this, therefore, how much more by weight should the green bone be fed than the scraps?

Any information about meat feeding will be appreciated. The literature from scrap manufacturers claims that scraps are far superior to bone, while the bone cutter men claim green bone is the best. Therefore I am appealing to you for correct information.

St. Louis, Mo.

F. E. P.

A. The man with goods to sell naturally claims all he can for his goods. We have yet to receive a sample of a really good poultry feeding beef scrap from the St. Louis market, but that does not mean that you cannot get good scraps there. The West is flooded with a good many brands of mighty poor scraps that are only fit to be used as fertilizer. Our experiment station will be pleased to report an opinion on samples of meat scraps at any time.

A good beef scrap should have a rich meaty odor which is intensified when scalding water is added. It should not have a foul odor and if it stinks when scalded it is not fit for feeding. The color should be a rich warm brown, neither too dark nor too light. It should have a granular and slightly oily feel and may contain coarse particles of bone and hard cooked meat. It should not be lumpy and if full of lumps which show white in center on breaking it is not fit to feed. It should not contain bristles or bits of wool. The moisture content in good scrap is a little below 2 per cent.

We sometimes feed beef scraps in a

dry or moist mash, but prefer to feed it plain from a food hopper and keep it before the birds all the time. After the first day they will not overeat. You can't reduce feeding to a matter of exact weights and proportions and get results. We get best results when we let the birds have what they want and all that they want of it.

It is not necessary to feed both green cut bone and beef scraps. If you can get good sweet wholesome beef bones cheap enough and all you want of them cut bone makes a good meat food. It heats or spoils quickly when cut. It varies a good deal in quality. Carelessly fed it causes indigestion and diarrhoea. With us we cannot get the bone at a price we could afford to haul it and cut it. We could not get a regular or dependable supply. It does not keep well and requires more labor for the food value than we care to put into it. Therefore, we use the best beef scraps we can buy. They cost us less than bone, are more easily used and handled and give us good results. Cut green bone can't be hopper fed with good results. It must be hand fed and care taken to avoid a gorge. Frequently it contains undesirable germs and parasites that may start trouble in your flocks.

## Preserving Eggs.

Q. Please give some information about preserving eggs. Give the best method. Cannot infertile eggs be preserved with less trouble than others?

Berea, Ky.

G. H. F.

A. There are a good many methods of preserving eggs but the only one that we have found at all satisfactory is the waterglass method. With a waterglass solution eggs can be kept from six to ten months and be in very good condition for all culinary purposes except boiling. If such preserved eggs are to be boiled the large end of the egg should first be punctured with a needle just before cooking.

Sterile or non-fertile eggs are best for preserving. They should be fresh gathered and should be clean. They can be packed in wooden kegs, galvanized iron tanks, stone crocks or glass jars. A 10 per cent solution of waterglass is usually considered the best for preserving. It is poured over the eggs when cool and allowed to stand a few inches above the top level of the eggs. The container is covered and kept in a cool room, free from foul odors, until the eggs are wanted for use. One bad egg in a container may spoil the whole lot. The eggs when removed from the solution may be rinsed, dried and then used as any other eggs except when boiling.

Waterglass, or soluble glass, is a syrupy silicate of soda having a specific gravity of about 1.12. It can be obtained from druggists and costs from sixty cents to \$1 per gallon depending on where and how you buy it. It should be practically colorless. To make the solution for preserving eggs add to one pint of the waterglass syrup nine parts of boiled water and stir well. The water may be added when warm. Let the solution become cold before it is used to cover the eggs.

## Breeding Questions.

Q. (1) Would it be advisable to breed a cock to his own pullets where no relationship had existed before? He is a very vigorous bird and both he and the pullets have fine size.

A. (1) It all depends on what you are breeding for. If you want to hold family characteristics of the cock that is the way to do it.

Q. (2) Would it be all right to breed a Barred Rock cock of the best blood in the world and a perfect show bird if he had a few yellow feathers in hackle but not brassy?

A. (2) Probably.

Q. (3) Please give your opinion on mustard for poultry as a tonic, the kind and the amount to feed and how often.

A. (3) The only mustard we have tried recently for poultry is French's poultry mustard. We are not yet ready to give an opinion on mustard feeding. It appears to be a good condiment to brace birds up when not in the best of condition. The proportions recommended are one pound of the mustard added to from 200 to 500 pounds of dry mash. It should be thoroughly mixed in. For first trial use one pound to 500 of dry mash food or about that proportion and increase gradually.

Q. (4) Last year my chicks couldn't get out of the shells. They would pip all right on the twenty-first day but they could not get out and did not seem to be ready to hatch as they would bleed to death if helped out.

Sharon, Conn.

S. J.

A. (4) Either the breeding stock was not in good condition or the eggs were kept at too high a temperature while saving for hatching or kept too long, or the incubation was faulty.

## Don't Lay.

Q. I would like to know why my



## DIRK'S RED MITE KILLER

One application kills all mites and prevents their reappearance during the season. Keeps fowls free from body lice. Make scaly legs bright and clean. Keeps lard pastry and sweets free from ants. Bedbugs give no trouble where used. Will ship one trial can to be paid for when satisfactory to user. Price—Quart, 50c; half-gallon, 85c; 1-gallon, \$1.50, or \$1 cash with order pays for one trial gallon. Booklet free.

M. E. DIRK, BOX 102 : NORTH BALTIMORE OHIO  
Marshall & Marshall, Distributors for Canada, Niagara Falls, Ontario

## "OCULUM"

OCULUM that we believe any honest poultry raiser will pay us when he "knows it does the work." At your dealers, or if you prefer, cut out this ad today and mail to us and we will trust you to do right by us.

Hancock Inoculation Company, Box B, Salem, Virginia. Write your name plain. Please send me a \$1.00, 50c bottle of OCULUM. I will test it fifteen days: if satisfied, will pay you; if not, will return what I have not used.

Name..... Address.....

Question:  
Answer:

## HOW TO GET TOP PRICES FOR EGGS

Don't sell your eggs as fast as they are laid. A new way has been discovered to keep eggs positively fresh for years. Preserve your eggs—then hold them till market supply is low and prices are high. Use Sibil Egg Preservative Compound. Write at once for handsomely illustrated circular explaining how to keep eggs fresh and sweet for any length of time, sent FREE. Every poultry owner should have a copy. 75c a pint, \$1.50 a quart or \$5 a gallon. Just address SIBIL EGG COMPOUND CO., 167 W. WASHINGTON ST., CHICAGO, ILL.



chickens don't lay. I have a good poultry house all covered with tar paper and arranged so that they get plenty of fresh air. It is 5½ feet wide, 6 feet high and 9 feet long. I have six pullets and one cockerel in it, White Plymouth Rocks. For morning feed I give one pint of oats in litter. At noon I give a moist, crumbly mash made of bran, chop of corn and oats, meat scraps and a little salt. The night food is a ready mixed scratch grain. This is fed in litter. I keep grit, shell and charcoal before them in hoppers. They have fresh water three times a day. As

green food they have mangels, beets and cabbage. I feed the beets at noon and keep cabbage always hanging where they can get it. I clean the coop every day. They seem happy and contented and are singing all the while. Their combs and wattles are good and red. They work for all their food except the mash and mangels. Am I feeding too much or not enough? I give 1½ pints of mash at noon.

Madison, O.

L. W. L.

A. In all probability your pullets were just about to lay when you wrote us in January. We don't like the idea

of feeding by measure. It is a better plan to give the birds all they will clean up or to keep food before them in feeders. The danger of their getting too much is very remote. We always encourage our layers to eat all the food they will. Possibly you have given your fowls too much attention. Such frequent attendance is liable to discourage egg production. We prefer a variety of wholesome whole grains to feeding so much ready mixed scratch grain. Would also prefer to keep beef scrap before them in a hopper to feeding it in a mash, and we would not feed a

# FRENCH'S POULTRY MUSTARD

Patent Applied For

ABSOLUTELY PURE

**WE** SINCERELY regret being obliged to call your attention to the fact that certain unscrupulous supply houses, taking advantage of the demand that has been created for FRENCH'S POULTRY MUSTARD, have been substituting cheap and inferior Mustard products where the poultry fancier has only asked for "Poultry Mustard" or "Mustard for Chickens."

We have seen samples of some of these articles and they possess practically no value at all. FRENCH'S POULTRY MUSTARD is a scientifically manufactured article, containing the flours of different Mustard seeds, so blended as to produce the greatest strength in the volatile principle that is desired, and that is required to produce the fortunate results arrived at by Mr. Allen.

In asking for Mustard for this purpose, ask for FRENCH'S POULTRY MUSTARD. See that you GET French's Poultry Mustard. The name "FRENCH'S" will protect you and in the future French's Poultry Mustard will only be sold in original packages, under unbroken seal. Shipments in barrels and in 100-lb. packages will be shipped direct from the factory. All other packages will have our name and the seal unbroken. Do not accept Bulk Mustard, and see that our label is unbroken.

Experiments were successfully made in England in 1909, 1910 and 1911 to stimulate egg production, increase vigor and fertility of fowls by the use of mustard. Send us your name and address and we will send you free of charge a copy of a pamphlet as edited by Mr. Ralph Allen, of Herts, England, the conductor of the experiments. The book contains a full account of the experiments extending over the years named, together with a number of testimonials of prominent American users of French's Poultry Mustard. The first issue of 20,000 copies was entirely exhausted within eight weeks of our first advertisement. The second issue is on the press, and contains added testimonials, and will be sent free on application.

French's Poultry Mustard is used and recommended by Edward Corning of the "Corning Egg Farm," Bound Brook, N. J., by "Corning himself," E. B. Thompson "Ringlets," Amenia, N. Y., The Urban Farms, Buffalo, N. Y., Grove Hill Poultry Yards, Waltham, Mass., Haldie Nicholson, Leominster, Mass., and by a great majority of the prominent breeders, and is sure to be used by all. The great egg farms use it regularly, pronouncing it invaluable.

The London Feathered World says: "Poultry Mustard not only increases the egg yield but improves fertility."

One of our best known breeders and a judge writes: "I have used Poultry Mustard regularly during the Winter months, with the result of not only increased yield of eggs, but the stock has been remarkably free from colds and the eggs from my exhibition lots are proving very fertile."

## POULTRY MUSTARD DEALERS

ALABAMA:	Birmingham,	McVay Seed Company	MICHIGAN:	Detroit,	Tomlinson & Lanphere Co.,
BRITISH COLUMBIA:	New Westminster,	Brackman Ker Milling Co.		Jefferson Ave.	Jefferson Ave.
	Victoria,	Brackman Ker Milling Co.		Jones Seed Co.	Jones Seed Co.
CALIFORNIA:	Petaluma,	Coulson, Poultry & Stock	MINNESOTA:	Grand Rapids,	Northrup King Co.
		Food Co.		Minneapolis,	Northrup King Co.
CONNECTICUT:	Los Angeles,	German Seed & Plant Co.	NEW JERSEY:	Ridgewood,	S. Nagle Jr. Coal & Grain Co.
FLORIDA:	Southport,	Pequot Poultry Farm Co.		Scotch Plains,	22 Broad St.
	Jacksonville,	The Lackawanna Co.,			Sidney R. Clarke,
		328 Forsyth St.	NEW YORK:	Blmira,	Harmony Park, Route 1.
GEORGIA:	Jacksonville,	Walton Seed Company		New York City,	Charles E. Hart,
	Atlanta,	Atlanta Seed & Produce Co.			111 Durland Ave.
	Atlanta,	W. G. Hastings & Co.	NORTH-CAROLINA:	Durham,	Stump & Walter,
	Atlanta,	McMillan Seed Co.		Raleigh,	50 Barclay St.
	Brunswick,	J. M. Burnett	NOVA SCOTIA:	Yarmouth,	Peabody Drug Co.
	Savannah,	W. D. Simkins & Co.		Cincinnati,	Job P. Wyatt & Sons & Co.
ILLINOIS:	Chicago,	W. W. Barnard & Co.,	OHIO:		S. P. Goudey
		West Madison St.			J. M. McCullough's
	Chicago,	The Vaughan Seed Store,	PENNSYLVANIA:	Tunkhannock,	Sons Co.
		31 West Randolph St.		Philadelphia,	Jennings & Stark
INDIANA:	Quincy,	Eber Seed Co.			Cugley & Mullins,
	Indianapolis	Petaluma Incubator Co.,		Pittsburgh,	1229 Market St.
		147 North Delaware St.			C. J. Cleland,
	South Bend,	The Wesley Miller Flour &		Pittsburgh,	6465 Frankstown Ave.
		Feed Co.			I. W. Scott Co.
KANSAS:	Wichita,	Ross Bros. Seed House		Pittsburgh,	514 Liberty Ave.
LOUISIANA:	New Orleans,	Bruce Poultry & Seed Co.,			J. Walker & Son,
		330 Barondelet St.			1625 Beaver Ave.
		Griffith & Turner Co.	VIRGINIA:	Norfolk,	Fanney & Miller,
MARYLAND:	Baltimore,	Meyer-Stisser Co.,		Richmond,	48 Washington St.
	Baltimore,	32 Light St.			T. W. Wood & Sons,
MASSACHUSETTS:	Fall River,	W. G. Pearse & Co.	WASHINGTON:	Seattle,	12 South 14th St.
	Salem,	Ropes Bros. Co., Central St.			Seattle Seed Co.

We are adding more dealers daily. If your dealer is not mentioned or does not handle it, send us his name.

French's Poultry Mustard is an actual improvement upon the mustard used in England during these experiments. One teaspoonful of French's Poultry Mustard for every six fowls is the right amount. Mix it with the dry meal first and then add water until in a crumbly consistency. For Dry Mash use 1 pound French's Poultry Mustard to 200 to 500 pounds of feed according to conditions and requirements of your stock. Mix with a small amount first then with the entire lot. French's Poultry Mustard can be obtained of any dealer for 20c per pound in 6 and 10-pound boxes, 25-pound kegs, or a sample package of 1½-pound can be had for 35c. If your dealer does not have it, write the R. T. French Company, mustard makers, Rochester, N. Y.

"MUSTARD'S EFFICACY FOR INCREASED EGG PRODUCTION, FERTILITY AND STAMINA IS INDISPUTABLE"

THE R. T. FRENCH CO., DEPT. A, ROCHESTER, N. Y.



warm wet mash as frequently as you do.

### Frozen Comb—Double Yolked Egg—Roup.

Q. (1) What can I do for a cockrel's frozen comb?

A. (1) If noticed soon after freezing, or before it has a chance to thaw, rub the comb well with snow or cold water until you get the frost out. Then dry and apply camphorated vaseline and rub it in well until comb is thoroughly softened to nearly normal condition. If it is a case of old and neglected frost bite simply rub the parts well with carbolated vaseline and then let nature take care of the rest.

Q. (2) What can I do for a 1½ year old hen that lays a double yolked egg every third day?

A. (2) You can't do anything that will do any permanent good if you mean that you wish to prevent the laying of double yolked eggs. If you put her on a starvation diet for a while you may get her to lay a certain percentage of normal eggs after she has trained down a bit, but when she is well fed for egg production you are liable to get double yolked eggs again.

Q. (3) Give a good remedy for roup. Paterson, N. J. P.

A. (3) For roup mix a tablespoonful of creolin or any good cresol disinfectant with a gallon of soft warm water in a galvanized iron pail. Hold affected bird's mouth open with your finger and plunge its head into the solu-

tion, sousing it well but taking care not to drown the bird. If nostrils are caked or gummed up, remove the crusts and dip the bird again. House in open front quarters and you will usually find that one treatment does the business. In severe cases you may have to use the dip two or three times about three days apart.

### Poultry House Changes.

Q. I want advice on contemplated changes in my poultry house. The inside measurement is 10 x 20 feet. There are two windows 5 feet three inches long by two feet 9 inches wide to the south. I wish to lower these windows and put double canvas in the upper openings. Do you think this would be too cold or too much air for the birds at night. The windows at present are too high to allow much sunshine on the floor.

Richmond, Ind.

D. E. R.

A. Don't use the double canvas screen. If you wish lower the windows and leave the upper openings open, cover with fine wire screen only.

### Building a Poultry House.

Q. I intend to build a new poultry house this spring. Do you think it would be all right to line it with tar paper and put laths and boards over it and then paint the outside and whitewash the inside of the house? I intend it to be an open front house. Would it be all right to put the perches length-

wise or should they be crosswise of the house? Do you think it would be cheaper to build it of piano boxes or to buy lumber and build it?

Milwaukee, Wis.

R. S.

A. Unless you can get the piano boxes very cheaply so that it pays to salvage the lumber and nails in them it will be cheaper to buy lumber of suitable kind and dimensions for building your house. Dimension lumber will yield a better house and save time and labor. We would not line the house. Choose a good plan for open front house. Frame it well and put up with single wall. For roof and sides we like shingles best but a good flint surfaced roofing will serve to cover roof and sides and has good lasting qualities. If you use either shingles or roofing, common covering boards are plenty good enough to make the walls and roof. Put the roosts in rear of house across the rear end.

### Blank Bars on Orpington Feather.

Q. I am sending you a Black Orpington feather and would like to know the cause of the eaten out or blank bars on same. Is the trouble caused by a parasite?

Sonora, Mex.

C. J. B.

A. There is such regularity in the fine cut out sections of the feather that it suggests injury from chafing against sharp edges of wire screen or having been purposely scratched out with some sharp instrument. Lice will eat out parts of feathers in same manner but we have not seen any where so regular a pattern has been cut out. Acting on above suggestion, look over your poultry quarters and let us know what you find.

### Deformed Chicks.

Q. I raise Barred Plymouth Rocks and each year have a trouble that I have never seen mentioned. My chickens grow well and look prosperous until about three or four months old, then about 20 per cent of them show a deformity such as crooked backs or one side lower than the other. Kindly advise me.

Great Bridge, Va.

W. T. F.

A. If you are having the same trouble year after year we would recommend that you stop breeding from the same old stock and try hatching eggs from new stock that you know to be strong, healthy and vigorous breeders. There is something radically wrong with any strain that regularly throws 20 per cent of chicks that show bone deformities of that sort before they are half grown. Get a new foundation stock. You can't hope to build up a satisfactory flock on a poor foundation.

### To Break Up Broody Hens.

Q. Please explain a good way to break up a broody hen.

Meriden, Conn.

A. C. D.

A. Make a slat coop with a slat bottom, slats about two inches apart. Suspend it by a rope from the center so that it will just balance when empty. The dimensions of coop don't matter so long as you make it big enough to hold a few hens. We have one about 3 feet by 3 feet by 18 inches. Put the broody hens in this coop as soon as they are found on the nest at night. Let them stay in coop about three or four days and give water only, no food. Then let them run with the flock. It usually takes three days in the coop to break up the broodiness and in three days more the bird is ready to lay again.

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# Notes from the Southwest

Conducted by H. H. Stoddard, Riviera, Texas



## NATURAL OR ARTIFICIAL, WHICH?

**T**HERE IS NOT today in the whole country, a thoroughly experienced fancier or commercial poultry raiser who does not know, even if he does not acknowledge that, as a generalization, hen-hatched and hen-brooded chickens are stronger and more thrifty than those hatched and brooded artificially.

An instance is that of a very large poultry farm, catering for both fanciers and for the food market, and having a heavy trade in baby birds. An experienced editor visited this farm and made "a book about it," for the proprietors. After a description of the admirable system by which department after department was run, and of the thorough organization of the artificial incubation work, and the main nursery in particular, and showing how the owners kept tab on everything, and accumulated statistics, it was quietly mentioned that, "in order to give them the best of care the chicks intended for future breeding are hatched and reared by hens!" In another place we read, "In order that there may be no chance for getting them (the breeding stock) mixed, they hatch and raise these by hens."

**Great Guns!** A great and costly establishment carrying on many different lines of trade, and bearing evidence of strict method all through is unable to put its young chicks destined for breeding stock, somewhere on an extensive farm to keep them from getting "mixed" with the ordinary ignoble birds, unless they are hatched and reared under hens. "Tell that to the horse marines, the sailors won't believe it." A part of the farm was set apart for the nature-hatched and reared younglings, and a special and well-conceived system for the sitting hens, and mothers with their broods was carried out. All this because the intellectual force of this establishment, one of the finest and most successful in the world, and one where as much executive ability has been shown, or more, than in the case of any other poultry ranch on the globe, could not have hatched out the choice selected eggs in some of the incubators in the long hatching room without the chicks escaping and climbing into the incubators that contained the common herd! And the brains of the proprietors could not contrive to keep the chicks separate, so that they could "give them the best of care" if they were incubator hatched!

I want to bear testimony that the book mentioned is a fine one, very ably written and exceedingly valuable to every beginner in commercial poultry raising, and that the proprietors have given a big boost to scientific poultry production on a large scale, by publishing it. I only wish that the book had said frankly and squarely, that the natural method produces the best chick-

ens. I digress, in passing, to add that the ability shown in a hundred ways, organizing their immense plant, should have taught its proprietors some way of making young Leghorns feather out naturally, without the necessity of clipping their wings. Something is wrong when this practice is followed.

\* \* \*

## Experiment Stations, Where Are You?

The Oregon Station published a bulletin showing the superiority of natural hatching and rearing, very careful experiments having been carried out concerning the matter, under the supervision of James Dryden, Professor of Poultry Husbandry.

The poultry papers, American Poultry Journal excepted, dare not publish these experiments, though they are among the most valuable ever under-

known that error on their part is liable to be exposed by investigators at stations and laboratories all over Christendom. What unbiased opinion can be expected of a manufacturer or dealer in incubators, and what of the editor of a paper (generally speaking) that has great prominent advertisement of incubators running in its columns? Blessed are they that expect nothing, for they shall not be disappointed. And how can you know when to tie to the opinions of a writer on incubators in the agricultural papers or elsewhere? He may praise or condemn on very insufficient evidence. He may not have studied for over forty years the practical results of incubators as I have, and run them with fairly good success, as artificial incubation goes, and with decidedly bad, too, and manufactured them, though only for my own use in



THE EARLY HATCHED BIRD GETS THE WORM; ALSO THE BLUE RIBBON AT THE FALL SHOWS. A HEALTHY BUNCH OF CRYSTAL WHITE ORPINGTONS ON THE KELLERSTRASS POULTRY FARM, KANSAS CITY, MO.

taken in behalf of the poultry interest.

The Experiment Stations neglect repeating them. Why? Are the professors of poultry husbandry all under the glamour of the alleged labor-saving inventions of the artificial hatcher and artificial brooder? Have they ever read the Bulletin of the Oregon Station? If not, why not? The libraries of their colleges are all supposed to contain this bulletin, and all bulletins, while we poor laymen in seeking knowledge are often chilled with the words, "out of print" or "supply exhausted."

There is a great advantage in having in the State Experiment Station to appeal to, in matters of dispute when the disputants either one or both, are pecuniarily interested. The professors at these institutions are absolutely disinterested. They want the truth. Hunting it down is what they are for. They

experimenting. However, I shall not bespeak for my own egotism any verdict that is not backed by the experiment stations. They are the final authority.

A bulletin of the Oregon Agricultural College Experiment Station is devoted to natural and artificial incubation. Thirteen incubator sets of eggs were hatched in the months of May to July, inclusive, and a large number of hens were used so as to secure trustworthy averages, the purpose of the experiments was to ascertain the comparative efficiency of natural and artificial incubation.

The results were overwhelmingly in favor of the natural method. If the best incubators that can be procured fail to equal hens when the machines are operated by skilled operators, what will the harvest be when Tom, Dick and



Harry and their wives, who are green at the work, undertake to run them? Even when these amateurs have had several years' experience they will not be likely to have acquired the skill of the professor at the station. A large proportion will drop out early after they have played the deadly game with flesh and blood and brought into existence hundreds of weaklings and malformed creatures "born to die."

Quotations from Oregon Station Bulletin No. 100, Aug. 1903, follow:

"Artificial incubation in recent years has assumed large proportions. Large numbers of incubators and brooders are purchased in every community, entailing in the aggregate a large investment of capital. It is admitted that there are great losses in the artificial incubation of eggs and brooding of chicks, and many explanations are given as to the cause. The complaint is that the chicks either fail to hatch, or hatching, they fail to live. Why the embryo should live through the incubation period and die before hatching, is a problem that bothers the incubator operator more probably than any other. It is a keen disappointment to the incubator user to find after the eggs apparently have progressed satisfactorily up to the time of hatching, that 25 per cent of them more or less have failed to hatch. This means a large loss to the poultryman, and if there were no other problem involved in incubation than that of the chicks dying in the shell it would warrant extended investigation.

"The testimony is very conflicting as to the efficiency of incubators. Hatches as high as 90 to 95 per cent of fertile eggs are frequently made, and as low as 25 per cent or less. Some claim that it is in the stock that laid the eggs. This is doubtless true in many cases, for unless the parent stock be healthy and of good vigor the eggs they lay will not hatch well. Some claim that it is easy to hatch the chicks, but hard to raise them. Reports are frequently made where inside of four weeks after being hatched every chick has died. At certain seasons of the year probably 50 per cent of the incubator chicks die. In winter and early spring the mortality is small compared with late spring and summer. The cause of the mortality is usually ascribed to faulty methods of brooding and feeding. The fact that the chick may be hatched with impaired vitality has not been fully recognized, and the evidence of vitality should not be merely that the chick survives the brooding period, but that it comes to maturity with vitality equal to that of the parent stock, and capable of transmitting the same vigor and health to the second generation.

"Eggs for hatching were purchased from farmers near Corvallis, and in starting up a set of incubators and hens

the eggs were divided between them in such a way that one machine would not have an advantage over another, and that the incubators would not have an advantage over the hens nor the reverse. In comparative tests the same kind of eggs, or eggs from the same flock, were put in the incubators and under the hens. In dividing the eggs a basket was carried on the arm and two eggs at a time were put into each lot to be set.

"It is the custom among incubator users in giving the results of a hatch to say that the incubator hatched a certain percentage of the fertile eggs. Frequently large numbers are tested out as infertile, entailing a great loss in eggs, and the hens that laid the eggs get the blame for laying infertile eggs. It is true that feeding, management and other things affect the fertility of the

dying in the shell is confined largely to artificial methods of incubation.

"The eggs that were left in the machine after being tested on the sixth and twelfth days of incubation, were called 'infertile,' though many of those tested out were doubtless fertile, the embryo for some reason failing to develop and show signs of life when tests were made.

"On the basis of fertile eggs hatched, each test shows better results from the hens than the incubators. The first set of five machines hatched 70.3 per cent of the fertile eggs; the hens 97.5 per cent. The second set showed 78 per cent for the incubators and 96.2 for the hens. In the last test the results were 93.7 per cent for the incubators and 96.2 for the hens.

"The variations in weights in hen and incubator hatched chicks are very marked. The chicks from the first set of five incubators averaged 1.159 ounces each. The second lot were Rhode Island Red chicks and averaged from the incubators 1.28 ounces and from the hens 1.34. The third lot Brown Leghorns, averaged from the incubators 1.18 and from the hens 1.256 ounces. The fourth lot, also Brown Leghorns, averaged from the incubators 1.185 ounces and from the hens 1.199.

"What makes the differences in the weights of hen and incubator chicks is a matter yet of speculation, but the difference is undoubtedly an unfavorable condition.

"That the incubator is the cause of mortality in the chicks was demonstrated in two ways: First, when hen-hatched chicks and incubator-hatched chicks were put together in the same broods the former lived well and the latter showed a large death rate; and second, it was demonstrated when hen-hatched chicks and incubator-hatched chicks were put together with the same hen or hens the former lived well and the latter showed the usual mortality or practically so.

"Hen hatched chicks showed a mortality of 10.8 per cent in brooders and 2.2 per cent with hens. On the other hand incubator hatched chicks, in the tests here reported, showed a mortality of 33.5 per cent in brooders and 49.2 per cent with hens.

"Our experiments show that the parent stock is not to blame. This was demonstrated in two ways: First, chicks hatched by hens lived well, whether brooded by the hen or brooder; and, second, chicks hatched in incubators from the same kind of eggs showed high death rate whether brooded in brooders or with hens.

"The results of the different weighings show from rate of growth that the hen hatched chicks have greater vitality than incubator chicks. The result



First prize S. S. Hamburg hen at South Bend, Ind. Owned by H. F. Alberding, North Judson, Ind.

eggs as well as the strength of the embryo, but not to such an extent as is commonly supposed; at any rate, it was proved that a large per cent of the eggs tested out of incubators are not infertile and if placed under hens would have hatched.

"The eggs were tested on the sixth and twelfth days of incubation and none but fertile eggs were left in the machines. Most of the chicks dead in the shell were apparently fully developed; many of them had pipped the shell and died. The total of all these hatches in incubators shows 146 dead in shell from 879 eggs set, or 16.6 per cent. Of 179 eggs set under hens, eight were dead in the shell, or 2.8 per cent. This shows that the problem of chicks

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is the same whether the chicks are brooded by hens or brooders.

"Successful incubation does not mean merely the hatching of a large percentage or a certain percentage of the eggs; the serious problem is not how to hatch the greatest percentage of the eggs, but it is rather how to hatch the largest number of chicks of the greatest vitality. The test of the incubator is not that it hatch on the average as large a percentage of the eggs as the sitting hen, but that it hatch as many and as good chicks as a good sitting hen. Until this can be done poultry enterprises will continue to lag where artificial methods of incubation are used.

"On the whole the results show that artificial incubation is responsible for the large percentage of chicks 'dead in the shell' as well as for the large mortality of chicks in the brooder."

In many ways Old Dame Nature shows she understands her business. "There are more things in Heaven and earth than are" mentioned in incubator catalogues. A very curious thing is the glazing of eggs. Jacob Graves, of Boston, and A. M. Halsted, of Rye, N. Y., were the earliest manufacturers of incubators in the United States so far as I know. About 1872 I used to talk often with the last named, and he told me that the glazing baffled him. He was confident that it served some important purpose and that it seemed to indicate oil, but he had tried oil from a bird's "rump gland," also from intestinal fat and from other sources, animal and vegetable, but no glaze would stick worth a cent. About a dozen years later I was button-holed by an enthusiastic incubator maker, a clergyman, who claimed he was the first to build a machine that would glaze the eggs. But he had no incubator at the show, and I lost track of the alleged inventor. As far as I understand the glazing question, it seems that after glazing begins the heat of the hen's body not only dries the nest and the ground, supposing it is on the ground, for a little distance under and around it, but also by raising the temperature, would in a little while render their contents too dry, except for the wonderful provision of nature, consisting in the glazing of the shells.

Some of the secrets of nature are very elusive and intricate. Take a dozen eggs and place them under a sitting hen and another dozen from the same lot and put them in an incubator. After the twelve under the hen have become well glazed, place them in a pail of water with the others from the incubator. The result will be that the last named will absorb water through the shell and sink, while the glazed eggs still float. Bulletin No. 100 of the Oregon Station, above quoted says, "Chemical tests showed the presence of oil on egg shells. There was a small quantity on fresh eggs and on incubator eggs, but a relatively large amount on hen-hatched eggs." Now while nature has provided means of checking evaporation from the eggs, by means of this glazing during the early stages of incubation, yet considerable drying out of the water in the eggs is useful at the late stages, and accordingly the shell gradually dissolves away from the inside, the lime in its composition being used to form the bones of the embryo. Water must now escape quite fast or the chick will have no room to grow or breathe. This dissolving away of lime is for some reason imperfectly

performed when incubators are used. Often the incubator operator after testing the eggs and removing all but the promising ones, and finding everything going well, apparently up to the eighteenth day, finds finally a disheartening per cent dead in the shell. In such cases the embryos are almost fully developed and very large and moist, packing the shell tightly, they having been waterlogged, swelled and literally drowned.

They appear so large and strong that the operator is puzzled to know what has happened to kill such healthy promising chicks. This trouble occurs with all makes of incubators. Naturally the operator tries to head off the trouble by removing the moisture pans about the fifteenth day, or by adopting a "non-moisture" machine. But this does not answer. For the trouble is not that too much moisture is going into the eggs, but at the particular stage we are considering, too little is going out. Nature has a subtle way of managing things and with hens, a swelled, waterlogged chicken, dead in the shell is comparatively unknown, for the shells grow thinner toward the last, letting the superfluous water out, while the absorbed lime makes the chicks both heavier and stronger than incubator chicks.

Why it is that the hen heats the incubator so markedly in the first four days of the twenty-one has puzzled the ablest experimenters. It is apparently not a matter of heat alone, for thermometers of investigators have measured again and again the heat of hens in the early stages of the so-called sitting fever, and incubators have been regulated accordingly. Is it an occult something, as unknown now as the ether was once, which the hen possesses, and that is needed to rush life with "embryonic fierceness" making heart fibres form and pulsate? And why after the stage is reached, is the incubator less objectionable during the remaining seventeen days?

I have just sent for an incubator, supposed to be inferior to none on the market, for the express purpose of determining, by the watch, the exact time taken in running it compared with the time in caring for hens covering the same number of eggs, and managed under the duplicate system, but except for precise mathematical statement no close time-keeping is needed. Common observation proves that the hens need less time by a very large per cent, just exactly as keeping tally by the watch is not necessary to prove that no battery of small detached brooders can compete as regards time, with a lot of hens cooped with their broods.

"But," says somebody, "When great numbers, say thousands on thousands are kept, incubators are necessary." No. Decidedly no. Just here is the common mistake, for a few thousands or many thousands need the natural system more imperatively just in proportion to the very size of the enterprise. Prince T. Woods, M. D., said of the Wozelma Open-Air Incubator, his invention, consisting of a battery of ten sitting hens:

"The actual care required for sitters so handled is very little, a few minutes morning and night, much less than a 150-egg lamp-heated incubator. Of course, it incubates in the natural manner, hen heat, self-regulating, self-ventilating, self-adjusting, and almost self-operating. In the morning the attendant carries feed and water and places it

in the yard in which the natural incubator is located, then he opens the front doors of the nests; at night rounds he closes up the nests again, and the hens do the rest and do it well. Much better hatches are had when hens have outdoor nests of this sort. It will yield better chicks, bigger chicks, and more livable chicks than can be hatched indoors. This spring we have had mostly cold, wet weather, but the outdoor openair incubator gives fine hatches of big, strong, sturdy chicks that live and thrive. Try it and be convinced. It costs little and saves much. Sitting hens handled in this manner give less trouble and require less care than when set in any other way. Ours give no trouble at all."

If we were to name two monumental delusions, on important matters that have kept poultry keepers tangled up for more than thirty years, they would be mixing food for balancing, and using incubators and brooders for time saving, the results being unbalancing and time wasting.



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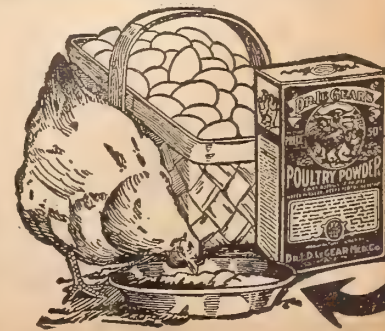
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## The Campine Fowl in America

By LOUIS A. STAHLER



HERE is no fowl so difficult to identify as the Campines. They have been bred for hundreds of years in more or less variable color, but the shape is almost identically the same today as that of their original ancestors. Records are in existence which prove that poultry has been kept for over 1500 years before the Christian era and if the art of printing and engraving would have been known at that period, it would have enabled the present day poultry fanciers to look up and establish the origin and history of many of our popular breeds. But inasmuch, as fowls were not bred for any particular purpose and in many cases for luxury only, no records in regard to the shape and color of the breeds in existence at that time are available. Poultry journals and poultry publicity were not thought of then. During the middle ages when rulers and the head of the churches demanded that taxes and other tributes were to be paid with eggs and fowls, the poultry industry received quite a boost and as this demand necessitated a fowl that produced eggs in large numbers, not much attention was paid to any particular breed or color as long as they produced a sufficient number of eggs. In this manner, poultry was raised until the last three or four hundred years. Among the many breeders there were always a few whose sense of beauty and desire to have fowls all of one color, led them to discard all that did not come up to the requirements set for them, but as but very little grain was produced and as this was also used as an exchange medium, the chickens naturally suffered and had to pick up their own living as much as possible and the results were those that could not keep up with the egg production on account of this restrictive feeding method, were killed off and a breed of fowls was gradually evolved, that was, so to say, the survival of the fittest. Climate, environment, altitude and other influences affect the variation of type and color of all breeds of poultry and many new

breeds were created. In no country has better poultry been produced, or have the fanciers shown greater skill in producing new varieties of chickens than in the low lands of Europe. Authentic records are in existence that a penciled variety of fowls have been bred in these sections for over two hundred years or more and which are no doubt the original ancestors of our Campines of today. In Holland, Belgium and in the northwestern part of Germany for over one hundred years have been bred a penciled variety of fowls, with blue legs and dark colored eyes, and many of them as well as sub-breeds of same are in existence today. The Braekel or Campine of the Belgium and Hollander as well as the Moeven or Mohnsperber of the German are practically the same breed of fowls, different only in their markings and they represent the same origin and character in type and shape as our modern Campines. These breeds were used in England in the production of the silver and gold penciled Hamburgs. The modern Campine as introduced in America is hen-feathered, that is the color and plumage of the cock and hen is identically the same. Among the many different breeds of poultry only three or four breeds are in existence in which hen-feathered males occasionally are produced. In some of them it has become a fixed character, as for instance, in the Sea-

bright Bantams and the Hennie Pit games. A strain of hen-feathered silver penciled Hamburgs was very popular at one time. They were first exhibited in May, 1878 at Otley, Yorkshire, England. If there is any of this Hamburg blood in our modern Campine, is a question that is hard to answer for there are great differences in the markings as well as the eye color of the breed, and then I am under the impression that a cross of this kind would not be beneficial to the breed, as the Hamburg lays only a small egg, while the Campine is known as a layer of extra large ones. The breed as it is today, will make a hit with the fanciers of America as no parti-color variety has been produced in this country that could reproduce itself in single mating.



Living specimens of Silver Campines that approach very closely the ideal

ing and engraving would have been known at that period, it would have enabled the present day poultry fanciers to look up and establish the origin and history of many of our popular breeds. But inasmuch, as fowls were not bred for any particular purpose and in many cases for luxury only, no records in regard to the shape and color of the breeds in existence at that time are available. Poultry journals and poultry publicity were not thought of then. During the middle ages when rulers and the head of the churches demanded that taxes and other tributes were to be paid with eggs and fowls, the poultry industry received quite a boost and as this demand necessitated a fowl that produced eggs in large numbers, not much attention was paid to any particular breed or color as long as they produced a sufficient number of eggs. In this manner, poultry was raised until the last three or four hundred years. Among the many breeders there were always a few whose sense of beauty and desire to have fowls all of one color, led them to discard all that did not come up to the requirements set for them, but as but very little grain was produced and as this was also used as an exchange medium, the chickens naturally suffered and had to pick up their own living as much as possible and the results were those that could not keep up with the egg production on account of this restrictive feeding method, were killed off and a breed of fowls was gradually evolved, that was, so to say, the survival of the fittest. Climate, environment, altitude and other influences affect the variation of type and color of all breeds of poultry and many new

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# Ancient and Modern History of the Campine

By J. FRED N. KENNEDY



THE CAMPINE fowl is without doubt a very old and ancient breed. It has its origin in Belgium and derives its name from the sandy LaCampine plains, which is the largest county in Belgium, and includes that part north of Brussels and west of Antwerp. The ancient history of the breed is practically unknown, but it is claimed that the breed was in existence the time that Julius Caesar was making his tour of the then known world and upon his visit to Belgium, in leaving he took a number of the fowl with him which the Roman epicures pronounced to be fit food for gods. This may all be true, but undoubtedly Campines are the G. Turcica, or Turkish fowl of old Aldrovandus, and we also know for certain that they were the noted breed of Belgium of 400 years ago, and have been bred and raised as the "farm chicken" by the Belgian peasantry up to the present time, chiefly with a view to quantity and size of egg, while the cockerels, at from ten to twelve weeks old were used for producing delicious milk chickens, as they are plump as partridges, carrying an extra amount of breast meat, and make remarkably good eating. The result is that today we have in the Campine a breed of fowl that are layers of "large white eggs and lots of them." And it is worthy to note that they are one of the very few varieties

ground in goldens, overlaid by markings of barrings of black which have a rich, beetle green sheen, except the neck hackles, which are a silvery white in Silvers and gold in goldens (I understand that at the last club meeting of the English Campine Club it was decided in future to call the black the ground color and the white or gold the bars). The male birds have a medium sized even comb with about five serrations and the tip slightly following but standing clear off the nape of the neck. It should be fine, even and upright, and wide enough to be well set. The wattles are medium sized and of fine texture. The ear-lobe satin white smooth, and of moderate size. The beak is horn color and the eyes should be dark brown with black pupil. The neck hackle, as previously stated, is a silvery white in Silvers, and gold in Goldens, and should be as full and flowing as possible. The rest of the body is barred. The black bar should be about three times, at least, as wide as the white ground color, the black should be pure black, free from gray and covered with a beautiful green sheen, which in my opinion makes the bird. The idea is that the markings should suggest rings around the body, the regularity being broken by the rounded white bar at the end of the feather. The comb in the females may fall over, but should not be too large. The color of the legs is leaden blue with horn toe-nails.

The question of size has been a great contention with all



FIRST PRIZE COCKEREL  $1\frac{1}{2}$  HEN.  
WINNERS AT MADISON SQUARE GARDEN DEC. 1911, OWNED BY J. FRED N. KENNEDY  
BIRCH CLIFF, ONTARIO, CANADA.

in the poultry kingdom that are not spoiled by the admission of alien blood, although it is said that some few breeders have recently introduced the Hamburg to secure more distinctness in the markings and clearness in the silvery white ground color. In that, let me warn you, lies a great danger.

Rev. Jones in Feathered World, says: "Cross Campines and Hamburgs and you have four things to outbreed: (1) Red eye; (2) size of egg; (3) type; (4) penciling. It requires a man skillful above the average to make that cross successfully, and I should feel proud had I been able to achieve it. Again, a Hamburg has a red eye, but no one will contend that every red-eyed Campine is the product of this cross. Further, in the years Hamburg fanciers have been breeding, they have not had a good wing bar. Campinists have, and it is one of the Campine's special points of beauty. Did this come from the Hamburg cross?

Campines are undoubtedly very pretty and attractive birds and have a character all their own. In appearance and carriage they are smart and alert, very tame and friendly. They will crowd around the attendant and impede his progress; if frightened they certainly can fly, they are hardy, active and precocious growers, quick to mature, always looking clean, tidy and nifty, they are non-sitters, good foragers, but are contented when in confinement.

Their color is a silvery white ground in silver, and a gold

breeders, and I believe was fully answered by the Secretary of the Campine Club of Great Britain, in his notes in the 1912 Year Book, it was as follows: "This trouble is always with us, the wording in the Standard, 'the larger the better,' is worse than useless, for it is misleading. The club should alter it and replace it by the weights which were settled upon at the Annual General Meeting, at the Palace, as being ideal, males  $5\frac{1}{2}$  lbs., females  $3\frac{1}{2}$  lbs. As no notice was given of such a motion, this cannot at present be incorporated in the Standard, but it indicates what members think. Personally, I think these weights quite high enough. I always maintain that all we want to do is to guard against the size being smaller than that of the Belgian Campine; I think any attempt to increase size should be deprecated. The size of the birds at present is the maximum for the greatest prolificacy." I, myself, do not wish for large size, we do not want a Braekel nor a Hamburg, but a Campine. The true test of the table value of any bird is the percentage of meat that it will yield, and not in mere weight. The ideal table bird then, must be small and fine in bone and must be trimly built, with a frame suitable for carrying a lot of breast meat. A pheasant will yield nearly three-quarters as much meat as the ordinary fowl which has double its weight. The excellence of the Campine as a table fowl comes in the fact that it yields as high a percentage as any.





Prize Winning Silver and Golden Campines, Bred and Owned by J. Fred N. Kennedy, Box F, Birch Cliff, Ontario, Canada.





WHITE WYANDOTTE "LADY ROSE"  
RECORD 232 EGGS PER YEAR



WHITE ROCK "LADY SHOW YOU"  
RECORD 281 EGGS PER YEAR



'THE HEN THAT LAYS

IS THE HEN THAT PAYS"



WHITE ORPINGTON "LADY GRACE"  
RECORD 232 EGGS PER YEAR



WHITE LEGHORN "LADY BEATRICE"  
RECORD 240 EGGS PER YEAR

EGGS FOR HATCHING

MIDLOTHIAN FARMS AND HATCHERY  
TRAPNESTED, BRED TO LAY POULTRY  
TINLEY PARK, ILL.

BABY CHICKS

The egg records of the above birds show the value of the trapnest to the poultry man.





"THE HEN THAT LAYS

IS THE HEN THAT PAYS"



EGGS FOR HATCHING MIDLOTHIAN FARMS AND HATCHERY TRAPNESTED, BRED TO LAY POULTRY TINGLEY PARK, ILL. BABY CHICKS

All birds on Midlothian Farms are trap-nested, and individual records of over 200 eggs per year per hen are common.





The above illustration shows to perfection the wonderful type and quality of N. P. Easlings' White Leghorns.



A trio of high-grade Buff Orpington prize winners at the late Chicago show.



# The Value of the Trapnest to the Poultryman

By JOHN G. POORMAN, Manager Midlothian Farms



THE PRACTICAL poultryman is first, a good business man. He establishes business relations with every individual hen he owns in the same manner as the prosperous merchant or manufacturer does with his employees. If an employee cannot produce a profit over his salary, he is dispensed with.

If a hen cannot produce a profit over cost

maintenance, she is dispensed with. The system brought into use to ascertain what the hens are doing is trap-nesting. Herein lies the success of the practical poultryman. He has absolutely the destiny of his business before him. The poor layer is discarded, thereby stopping a loss in the feed bills. When the breeding season is at hand he knows all of his best layers from the previous year and mates them to produce his youngsters. By breeding from the best from year to year the average egg yield increases and so does the profit. When he sells breeding stock, eggs for hatching, and baby chicks, he is in a position to fill orders accurately. He is not like the fancier who really does not know the actual laying qualities of his stock, but takes it for granted that they are good layers, and the customer takes the chances.

Having good layers to begin with, it only requires common sense, care and management to produce eggs, and especially winter eggs.

We advocate a large building divided into numerous pens that will accommodate from five hundred to one thousand layers. This building should be built especially for winter use with three thicknesses of lumber, two of building paper and one air space. It should be heated by hot water to a temperature of only forty degrees.

The reason for heating the building is to remove all dampness and chill and not to maintain a summer temperature. Fowls will not be in perfect health where frost will accumulate on the ceiling and floor. If birds are not kept in perfect health, eggs should not be expected.

In milder climates we heartily recommend the open front colony houses. We use the open front colony houses for summer quarters.

By maintaining a temperature of forty degrees in the winter quarters we produce a fifty per cent egg yield throughout the season when eggs are at the highest market price. Every year we have had many pullets that have given us a profit of one dollar per month for December, January and February. These eggs have sold at fifty to sixty cents a dozen.

By keeping our breeders in winter quarters we get a high per cent of fertility that enables us to supply our

southern customers with excellent eggs for hatching very early in the season. We hatch out most of our own stock in January, February and March. This we could not do if our breeders were subjected to the climatic conditions of our severe winters.

We give as a morning feed one part cracked corn and two parts wheat. This is thrown in the litter and promotes exercise. A dry mash of equal parts by measure, of bran, wheat middlings, Rocky River oatmeal, and meal alfalfa, and eight per cent of the whole, beef scrap, is kept before them in hoppers. At noon a liberal feed of sprouted oats. At night a mixture of two parts cracked corn and one part wheat. Twice a week they are given fresh green bone. Fresh water is supplied twice a day.

The drop boards are cleaned every morning and the pens once a week. The fowls are examined every night while they are on the roost, it is easier to detect trouble at this time than at any other.

Should any fowl be the least bit out of condition they are taken from the pen until cured. When sickness is found at the start it will immediately respond to ordinary treatment. We have never had one case of roup develop in our winter quarters.

We produce annually from six thousand to ten thousand head of stock. Fifty per cent of this number is culled out and sold either as broilers or roasters. This stock goes to our market department and is crate fattened and disposed of at very profitable prices to private trade in Chicago.

At four to seven months old this stock is again culled for egg production. They must show that they are profitable as well as of good appearance. Their productiveness is determined by the trap-nest. This generally starts November first and continues throughout the year.

The stock that does not show a disposition to lay after reaching the laying age, is turned over to the market department and sold as soft roasters; the same also happens to the stock that does not lay enough to produce a profit.

We find that about eighteen per cent are not profitable and by means of the trap-nest they are detected and disposed of through the market department before they become a loss.

If eighteen per cent prove to be unprofitable, when every care and precaution has been taken in breeding for egg production, imagine the greater per cent that must be unprofitable when no attention whatever is paid to egg production.

Is not this condition in itself, the reason and proof why ninety-five per cent of those who engage in the poultry business make a failure?



Midlothian Farms first prize pen, White Orpingtons, at Chicago, 1911.





First, Columbian Rock cockerel, Club Show, Philadelphia, 1912, shape and color specials.  
First, shape and color specials, Boston, 1913. Bred and owned by F. G. Bean, Collegeville, Pa.

First, Buff Rock cockerel, also color special at Philadelphia, Dec. 10-14, 1912. Bred and owned by E. H. Lichtenwalter, Girard, Pa.

**Progress  
of the  
Breeds  
1913**



First, Columbian Rock pullet, at the Club Show, Philadelphia, Dec. 10-14, 1912. Bred and owned by F. G. Bean, Collegeville, Pa.

First, White Rock cock. Champion cock of the show at Philadelphia, Dec. 10-14, 1912. Bred and owned by Webster Farm, Girard, Pa.





# Madison Square Garden Show

## List of Exhibitors and Prize Winners

### LIST OF EXHIBITORS.

Andrews, Thomas, Mt. Kisco, N. Y.  
 Almendinger, A. F., 122 Park St., Buffalo, N. Y.  
 d'Archambaud, Albert, Hawthorne, New Jersey.  
 Anderson, E., Box 68, Norwalk, Conn.  
 Arnold, Capt. E. E., Babylon, L. I., New York.  
 Anderson, Louis, Bloomsbury, N. J.  
 Armer, Fred, Ballston Spa, N. Y.  
 Astoria Leghorn Yards, 240 Jamaica Ave., Astoria, Long Island City, N. Y.  
 Angell, Albert, Jr., Lakewood, N. J.  
 Aldrich Poultry Farm, St. B., Columbus, Ohio.  
 Adams, Walter, 622 Plum St., Trenton, New Jersey.  
 Aletryon Orpington Yards, 152 Walnut St., Winsted, Conn.  
 Allen, M. V., R. D. 2, Ovid, N. Y.  
 Adams, Newton, 109 Oneida St., Utica, New York.  
 Aeberle, Rudolph, Ridgewood, N. J.  
 Anderson, Annesley M., Morton, Pa.  
 Adamson, James, 186 Maine Ave., West New Brighton, N. Y.  
 Anderson, Robert I., 53 Grace St., 19th Ward, Pittsburgh, Pa.  
 Andruss, Dr. J. C., Canandaigua, N. Y.  
 Annasmead Farm, Robesonia, Pa.  
 Albers, Wm. F., 300 Rochester Ave., Brooklyn, N. Y.  
 Althea Farm, Howard Stout Neilson, Darien, Conn.  
 Bishop, R. W., R. F. D. 2, Box 4, Guilford, Conn.  
 Baker, G. H., 164 Main St., Ossining, New York.  
 Bulmer, Clayton F., Millbrook, N. Y.  
 Brogden, Thomas, Rush Lake, Wis.  
 Blythwood Poultry Yards, Mt. Rosco, New York.  
 Battin, Henry, 304 West Side Ave., Elmira, N. Y.  
 Bechstein, A. C., Davenport Neck, New Rochelle, N. Y.

Brown, W. W., 29 Riverside Ave., Red Bank, N. J.  
 Bursall, Anna L., 308 North Main St., Union City, Conn.  
 Berry, Dr. J. E., Powhatan Pt., Ohio.  
 Bennitt, Wm., 181 West St., East Orange, N. J.  
 Briggs, Edgar, Pleasant Valley, Dutchess County, New York.  
 Black Beauty Orpington Yards, Southport, Conn.  
 Burnside, R. B., 154 Nassau St., New York City.  
 Bailey, A. S., Cobalt, Conn.  
 Bella Vista Farm, Round Hill, Greenwich, Conn.  
 Brice, Charles M., 17 New St., Port Richmond, N. Y.  
 Brooks, Mrs. Andrew, R. F. D. No. 6, Auburn, N. Y.  
 Boughton, Lucius H., Danbury, Conn.  
 Barlow, R. E., Medina, N. Y.  
 Bauer, Charles, 16 Attorney St., Hempstead, L. I., N. Y.  
 Broome, R. L., 734 Boulevard, Westfield, N. J.  
 Betz, John, 430 Washington Ave., Belleville, N. J.  
 Billheimer & Kratzer, R. F. D. No. 1, Allentown, Pa.  
 Brown, Asa J., Mountaineer, Orange County, New York.  
 Burnett, W. L., Rocket, N. Y.  
 Bahring, Clair B., North Midway, Livingston, N. J.  
 Barker, M. S., Thornton, Md.  
 Bird, E. D., Greenwich, Conn.  
 Briarcliff Farm, 222 Chandler Bldg., Atlanta, Ga.  
 Brown, C. A., Sayville, L. I., N. Y.  
 Bennitt, Henry, Brown, W. Va.  
 Brokaw, J. K. & H. L., Somerville, New Jersey.  
 Bird Bros., Meyersdale, Pa.  
 Blatz, Hilaire C., 70 Somerset St., Plainfield, N. J.  
 Burkholder, Perry, Meyersdale, Pa.  
 Bliss, J. E., Clinton, Conn.  
 Briggs, Chas. R., Apulia Station, N. Y.

Brown, Wm.; 1517 N. 59th St., Philadelphia, Pa.  
 Brown, H. T., White Plains, N. Y.  
 Brown, Lew H., Cazanovia St., East Aurora, N. Y.  
 Black, James, Warwick, N. Y.  
 Brandow, Clifford R., Philmont, N. Y.  
 Blake, W. J., Burnside, Conn.  
 Balch & Brown, Manchester, Conn.  
 Bonfoey, L. C., Vernon, Conn.  
 Beechcroft, Dr. Carroll Beach, 206 Wethersfield Ave., Hartford, Conn.  
 Buehler & Mahn, Riverton, N. J.  
 Bruce, Charles N., Westboro, Mass.  
 Bertram, Fred, Bound Brook, N. J.  
 Bechtel, H. W., Slatinton, Neffs, Pa.  
 Blair, R. & C., Oak St., Yonkers, N. Y.  
 Booth, J., 662 Clinton Ave., Newark, New Jersey.  
 Bethell, R. C., 70 Montclair Ave., Montclair, N. J.  
 Borst, Henry V., 62 Church St., Amsterdam, N. Y.  
 Bonnyhaven Farms, Noroton, Conn.  
 Clark, Miss M., 164 McClellan St., Schenectady, N. Y.  
 Carey, Miss, Toynont, Spilsby, England.  
 Conrad & Bratt, Hackensack, N. J.  
 Chispa Farm, Melrose Highlands, Mass.  
 Carrick, J. B., 514 Kosciusko St., Brooklyn, N. Y.  
 Carey, Bert, Lynbrook, L. I., N. Y.  
 Cunningham, George J., Sag Harbor, New York.  
 Conrad, H. W., Franklin Ave., Hasbrouck Heights, N. J.  
 Cass, Edward A., Burgh R. S. O. Lings, England.  
 Cairngorm Farm, Nottingham, Ohio.  
 Crevoiserat, Wm. E., 37 Mill Rd., Freeport, L. I., N. Y.  
 Chestnut Hill Poultry Farm, Olsen & Reimer, Easton, Pa.  
 Colein, E. R. & Son, Baker Ave., Richmond Hill, L. I., N. Y.  
 Case, C. W., Rochester, Mich.  
 Cornish Poultry Yards, 6337 Torresdale Ave., Philadelphia, Pa.  
 Chesebrough, Henry E., Greenwich, New York.  
 Cheney, Walter B., So. Manchester, Connecticut.  
 Clark, J. H., R. F. D., Clark Farm, Boonton, N. J.  
 Clark, G. A., Seymour, Ind.  
 Clement, Frank H., Hempstead, L. I., New York.

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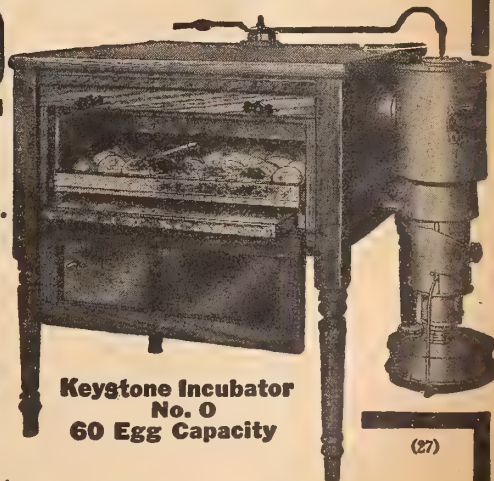
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 Conner, J. A., 320 No. Union St., West Chester, Pa.  
 Cobble Stone Farm, Suffern, N. Y.  
 Challis, H. E. South Hadley, Mass.  
 Cole, N. J., 49 N. Clinton Ave., Poughkeepsie, N. Y.  
 Creveling, Miss Frances M., Milford, New Jersey.  
 Cook, Wm. & Sons, Scotch Plains, New Jersey.  
 Catlin, L., Peninsula Junction, Md.  
 Cockcroft & Marsden, 462 Westfield Ave. E., Roselle Park, N. J.  
 Columbian Poultry Yards, E. M. Rogers, East Williston, N. Y.  
 Corwin, Frank M., Riverhead, L. I., New York.  
 Colonial Farm, Port Chester, N. Y.  
 Clark, J. W., Cainsville, Ont., Canada.  
 Crumbling, Edwin F., East Prospect, York County, Pa.  
 Carpenter & Carpenter, East Randolph, New York.  
 Collins, Eli Ives, Branford, Conn.  
 Coleman, Wm. R., 29 Chestnut St., West Haven, Conn.  
 Crawford, F. B., 201 East Hazlewood Ave., Rahway, N. J.  
 Cedarvale Farms, Closter, N. J.  
 Chant, Ralph R., Johnstown, N. Y.  
 Chandler, A. R. & Son, Sylvania, Ohio.  
 Chapman, M. L., Brown's Mills, N. J.  
 Crawford, H. L., Rumson, N. J.  
 Cauffman, Geo. H., Worthington Ave., Spring Lake, N. J.  
 Conrad, W. K., 129 State St., Hackensack, N. J.  
 Carson, Edward, 222 Main St., New Rochelle, N. Y.  
 Coffin, C. H., 151 Orange St., Newark, New Jersey.  
 Cook, James B., Kensington, Md.  
 Davis, Mrs. H. M., Peekskill, N. Y.  
 Dawson, Harry, 11 Bifton Pl., Walden, New York.  
 de Bathe, Capt. Max, Reading, England; Seville Hotel, 18th St. and Madison Ave., New York City.  
 Dietrich, Dr. Thomas, Washington, Warren County, N. J.  
 Dixon, Edwin S., Jr., Box 555, Ardmore, Pennsylvania.  
 Deming, Richard, Jr., 200 W. 56th St., New York City.  
 Dane, Jacob, 12 Clover St., Gray Oaks, Yonkers, N. Y.

Dodds, Francis J., 398 Riverdale Ave., Yonkers, N. Y.  
 Doll, Paul W., White Plains, N. Y.  
 Dodd, M. F., 127 Baldwin St., Newark, New Jersey.  
 Duval, Hanson R., East Islip, N. Y.  
 Daniels, A. E., Jr., Camillus, N. Y.  
 Depper, W. H., Pine Lodge Farm, South Lincoln, Mass.  
 Dawe, H. Percy, Pawling, N. Y.  
 Deming, H. P., Robertsville, via Winsted, Conn.  
 Demgar, P. A., Brown Station, N. Y.  
 Dorman, Harold B., 2689 North Ave., Bridgeport, Conn.  
 Drown, C. O., 129 Webb St., Weymouth, Mass.  
 Deinzer, Frank G., Highland Park, New Brunswick, N. J.  
 Davis, D. L., 435 Market St., Wilkes-Barre, Pa.  
 Dopp, H. H., Dolgeville, N. Y.  
 Dunlop, Sam, R. D. 2, Paterson, N. J.  
 Davis, E., 18 Clark St., Hartford, Conn.  
 Duntun Poultry Yards, Richmond Hill, L. I., New York.  
 Delaware Duckerie, Newark, Del.  
 Dartmoor Yards, Chas. S. Brent, Oconomowoc, Wis.  
 Dawson, J. W., 37 John St., New Rochelle, N. Y.  
 Donovan, J. C., 460 Ovington Ave., Brooklyn, N. Y.  
 Doremus, J. F., Cranford, N. J.  
 Downing, P. H., 134 Bord Ave., West Brighton, Staten Island, N. Y.  
 Dixon, R. W., 8438 18th Ave., Brooklyn, New York.  
 Dexter, W. Endicotte, 291 Marlboro St., Boston, Mass.  
 English, Max J., 1067 2d Ave., New York City.  
 Everitt, C. W., Huntington, L. I., New York.  
 Evergreen Poultry Farm, Chappaqua, New York.  
 Eddy, Arthur A., Evans Mills, N. Y.  
 Endress, G. P., Bennington, Vt.  
 Eastwood, James, 91 23d Ave., Paterson, N. J.  
 Eastern Ideal Farm, Morristown, Pa., R. D. No. 4.  
 Elm Poultry Yards, Hartford, Conn.  
 Eppig, C. John, 176 Grove St., Brooklyn, N. Y.  
 Ehinger, Wm., 1327 No. 4th St., Philadelphia, Pa.  
 Ellard, C. H., Great Neck, Warsaw County, N. Y.

Fisk, Howard J., Falconer, N. Y.  
 Faber, Charles E., 38 Rockview Ave., Plainfield, N. J.  
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 Franzen, Dr., Wolcott's Hotel, near 5th Ave., New York City.  
 Fell, A. J., West Point, Pa.  
 Forrest, David, 16 Lewis St., Yonkers, New York.  
 Frelinghausen, P. H. B., Normandy Heights, Morristown, N. J.  
 Faulkner, H. C., 318 So. Exchange St., Marshall, Mich.  
 Greer, Frank, 36 Highland Ave., Kearny, N. J.  
 Fraser, Charles, Marlton, N. J.  
 Firefly Farm, Guilford, Conn.  
 Foxhunt Farm, Lime Rock, Conn.  
 Fletcher, Albert, Jr., Warrenton, Va.  
 Fuller, James M., Warwick, Orange County, N. Y.  
 Fike, Harvey L., Meyersdale, Pa.  
 Fairview Campfire Farm, 156 Fairview Ave., So. Orange, N. J.  
 Furman, C. C., Bloomsburg, Pa.  
 Froh-Heim Poultry Yards, Far Hills, New Jersey.  
 Fulford, John H., 16 N. Stockdale St., Du Bois, Pa.  
 Fairbrook Cochon Yards, Teaneck Rd., Teaneck, N. J.  
 Fielder, Martin F., 304 Bloomfield Ave., Passaic, N. J.  
 Foote, P. L., 308 Main St., Poughkeepsie, N. Y.  
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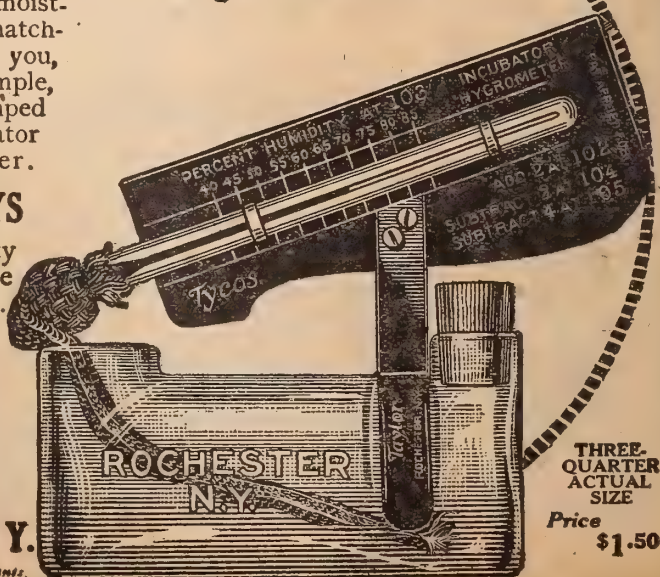
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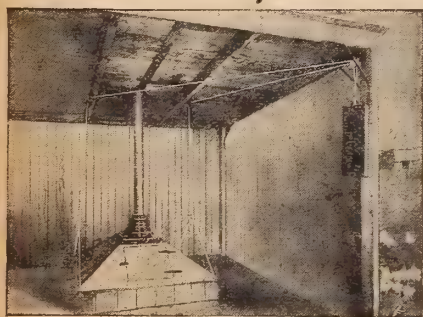




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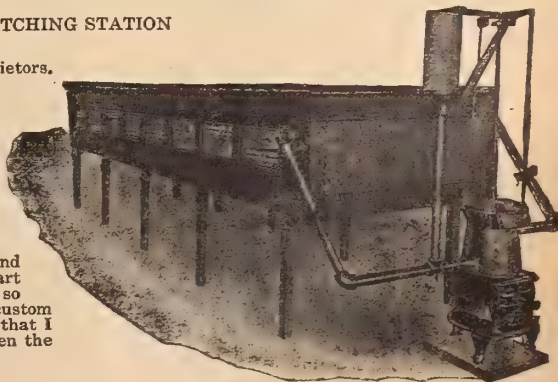
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 Cockerels—Newton Adams, 1-2.  
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 Pullets—C. W. Case, 1-2; Fairbrook Cochins Yards, 3-4.

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Cocks—Murch Bros., 1; J. L. Watt, 2.  
 Hens—J. L. Watt, 1-2.  
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Cocks—Paul Pomeroy Ives, 1; M. S. Barker, 2; Henry E. Neise, Jr., 3; Edwin G. Reynolds, 4; W. A. Meyer, 5.  
 Hens—Paul Pomeroy Ives, 1; M. S. Barker, 3-2-5; R. W. Bishop, 4.  
 Cockerels—M. S. Barker, 1-4; Top Notch Farms, 2; Charles R. Briggs, 3; Paul Pomeroy Ives, 5.  
 Pullets—M. S. Barker, 1-5; R. W. Bishop, 2; Paul Pomeroy Ives, 3; Elm Poultry Yards, 4.

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Cocks—Haldie Nicholson, 1-3; E. B. Thompson, 2-3-4-5; Henry D. Riley, 6; Yama Farm, 7.

Hens—C. M. Myers, 1; Yama Farm, 2-6-7; E. B. Thompson, 3-4; Henry D. Riley, 5; Robert J. Walden, 8.

Cockerels—E. B. Thompson, 1-2-6-8; Henry D. Riley, 3; A. C. Hawkins, 4-7; Yama Farm, 5.

Pullets—E. B. Thompson, 1-6; C. M. Myers, 2; Yama Farm, 3-8; Henry D. Riley, 4-5; John D. G. Gennerich, 7.

Pens—E. B. Thompson, 1-2-3-5-1; Jonas Hayner, Mgr., 1; Henry D. Riley, 2; Frank D. Ham, 4.

#### WHITE PLYMOUTH ROCKS.

Cocks—Owen Farms, 1-4; L. C. Bonfoey, 2; Hampden Poultry Yards, 3; C. F. Webster, 5.

Hens—The International Poultry Sales Co., 1; Owen Farms, 2-5; Waldron Poultry Yards, 3; Cedarvale Farms, 4.

Cockerels—Hampden Poultry Yards, 1; L. C. Bonfoey, 2-5; The International Poultry Sales Co., 3-4.

Pullets—L. C. Bonfoey, 1; Owen Farms, 2-3; The International Poultry Sales Co., 4-5.

Pens—Owen Farms, 1-2-3; Cedarvale Farms, 4; Knoll Brook Poultry Yards, 5.

#### BUFF PLYMOUTH ROCKS.

Hens—Linfield Poultry Farm, 1-2-5; Fred Armer, 3; William J. H. Goetz, 4.

Cockerels—J. W. Reeve, 1; Nescopack Poultry Farm, 2; Linfield Poultry Farm, 3-5; Fred Armer, 4.

Pullets—Linfield Poultry Farm, 1-2; Freier & Lukens, 3; C. W. Everett, 4; Fred Armer, 5.

Pens—Owen Farms, 1-2-3; Cedarvale Farms, 4; Knoll Brook Poultry Yards, 5.

#### PARTRIDGE PLYMOUTH ROCKS.

Cocks—Bird Bros., 1-2-3-4; Monmouth Park Stock Farm, 5.

Hens—Bird Bros., 1-2-3; Monmouth Park Stock Farm, 4-5.

Cockerels—Bird Bros., 1-2-3-4-5.

Pullets—Bird Bros., 1-2-4-5; Monmouth Park Stock Farm, 3.

Pens—Bird Bros., 1; Monmouth Park Stock Farm, 2.

#### SILVER PENCILED PLYMOUTH ROCKS.

Cocks—C. D. Halsey, 1; Rock Hill Poultry Farm, 2; H. L. Crawford, 3; William M. Jones, 4.

Hens—Rock Hill Poultry Farm, 1; C. D. Halsey, 2; H. L. Crawford, 3.

Cockerels—H. L. Crawford, 1; C. D. Halsey, 2; Rock Hill Poultry Farm, 3.

Pullets—C. D. Halsey, 1; H. L. Crawford, 2; William M. Jones, 3; Rock Hill Poultry Farm, 4.

Pens—C. D. Halsey, 1; H. L. Crawford, 2.

#### COLUMBIAN PLYMOUTH ROCKS.

Cocks—William A. Orr, 1; I. T. Straus, 2-3; Henry Horton, 4; Fred W. Otte, 5.

Hens—Lew H. Brown, 1; Henry Horton, 2; Fred W. Otte, 3; I. T. Straus, 4; Clyde Paterson, 5.

Cockerels—Henry Horton, 1; Lew H. Brown, 2-4; I. T. Straus, 3-5.

Pullets—William A. Orr, 1; Henry Horton, 2; I. T. Straus, 3-4; Lew H. Brown, 5.

Pens—I. T. Straus, 1; Clyde Paterson, 2.

#### SILVER WYANDOTTES.

Cocks—Leroy W. Seigfried, 1; Mills-paugh & Decker, 2; James F. Huges, 3; John W. Pruyn, 4; Ira C. Keller, 5.

Hens—Leroy W. Seigfried, 1; John W. Pruyn, 2; J. Reepmeyer, Jr., 3; Clarence D. Garis, 4; Mills-paugh & Decker, 5.

Cockerels—Leroy W. Seigfried, 1; Mills-paugh & Decker, 2; Frank M. Corwin, 3; M. H. Leidy, 4; John W. Pruyn, 5.

Pullets—Leroy W. Seigfried, 1; Mills-paugh & Decker, 2-5; J. Frank Van Alstyne, 3; J. Reepmeyer, Jr., 4.

Pens—Mills-paugh & Decker, 1; John W. Pruyn, 2; Leroy W. Seigfried, 3; James F. Huges, 4; Ira C. Keller, 5.

#### GOLDEN WYANDOTTES.

Cocks—Ira C. Keller, 1-2; Albert Fletcher, Jr., 3.

Hens—Albert C. Keller, 1; Albert Fletcher, Jr., 2.

Cockerel—Ira C. Keller, 1.

Pullets—J. C. & R. Vreeland, 1; Albert Fletcher, Jr., 2; Lucius H. Broughton, 3; Ira C. Keller, 4.

Pens—Ira C. Keller, 1.

#### WHITE WYANDOTTES.

Cocks—A. J. Fell, 1; Horace Havemeyer, 2-3-5; Rockandotte Farm, 4.

Hens—Joseph Russell, 1; A. J. Fell, 2; H. N. Hanchett, 3; Onlya Farm, 4.

Cockerels—A. J. Fell, 1-5; Havemeyer Bros., 2-4; Joseph Russell, 3.

Pullets—A. J. Fell, 1-4; Onlya Farm, 2; Wilbur & Wagonblatt, 3; West Mt. Poultry Yards, 5.

Pens—A. J. Fell, 1; Rockandotte Farm, 2; Horace Havemeyer, 5.

#### BLACK WYANDOTTES.

Cocks—Howard Grant, 1; Alfrecha Meadows, 2-3; C. H. Nesbitt, 4.

Hens—C. H. Nesbitt, 1; Alfrecha Meadows, 2-4; Howard Grant, 3; Edwin H. Morris, 5.

Cockerel—C. H. Nesbitt, 1; Howard Grant, 2-3; Alfrecha Meadows, 4-5.

Pullets—Alfrecha Meadows, 1-3; C. H. Nesbitt, 2-4; Edwin H. Morris, 5.

#### BUFF WYANDOTTES.

Cocks—Stuart A. Howland, 1; T. S. Hewke, 2-3; Dr. N. W. Sanborn, 4-5.

Hens—T. S. Hewke, 1-3-4; Stuart A. Howland, 2-5.

Cockerel—T. S. Hewke, 1-2-3-4-5.

Pullets—T. S. Hewke, 1-2-3-5; Dr. N. W. Sanborn, 4.

Pens—L. W. Winner, 1.

#### PARTRIDGE WYANDOTTES.

Cocks—Sheffield Farm, 1-3-4; Chas. B. McEwan, 2; D. S. Strong, 5.

Hens—Sheffield Farm, 1-2-3; D. S. Strong, 4; Chas. B. McEwan, 5.

Cockerels—D. S. Strong, 1; Sheffield Farm, 2-5; Charles B. McEwan, 3; Percy Burkholder, 4.

Pullets—Sheffield Farm, 1-3-5; D. S. Strong, 2; Charles B. McEwan, 4.

Pens—Sheffield Farms, 1-2; Charles B. McEwan, 3.

#### SILVER PENCILED WYANDOTTES.

Cocks—Horace Havemeyer, 1-3; A. L. Hathaway, 2; J. J. Smith & Son, 4; J. H. Vandervort & Son, 5.

Hens—Horace Havemeyer, 1-2; J. H. Vandervort & Son, 3; Paul W. Doll, 4; J. J. Smith & Son, 5.

Cockerels—Horace Havemeyer, 1; Fred Woodruff, 2; J. J. Smith & Son, 3; Edward Oyster, 4; James F. Fuller, 5.

Pullets—Horace Havemeyer, 1; James Black, 2; James F. Fuller, 3; J. H. Vandervort & Son, 4; Paul W. Doll, 5.

Pens—Horace Havemeyer, 1; James F. Fuller, 2.

#### COLUMBIAN WYANDOTTES.

Cocks—Columbian Poultry Yards, 1; D. Lincoln Orr, 2-5; G. H. Baker, 3-4.

Hens—Sunnybrook Farm, 1-3; Charles N. Bruce, 2; D. Lincoln Orr, 4; G. H. Baker, 5.

Cockerels—G. H. Baker, 1-4; D. Lincoln Orr, 2-5; Sunnybrook Farm, 3.

Pullets—Sunnybrook Farm, 1; D. Lincoln Orr, 2-3; Charles N. Bruce, 4; G. H. Baker, 5.

Pens—D. Lincoln Orr, 1.

#### BARRED CUCKOO WYANDOTTES.

Cocks—Wilhelmina Poultry Yards, 1-2; Charles E. Pfeifer, 3.

Hens—Wilhelmina Poultry Yards, 1-2; Charles E. Pfeifer, 3.

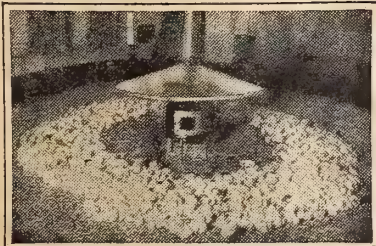
Cockerel—Wilhelmina Poultry Yards, 1-3; Charles E. Pfeifer, 2.

Pullets—Wilhelmina Poultry Yards, 1-2.

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Cockerel—Frank C. Stier, 1; H. Cecil Sheppard, 2; Blythwood Poultry Yards, 3; George A. Zabriskie, 4; R. A. & E. C. Tierney, 5.  
Pullets—Dr. A. H. Hall, 1-2; Frank C. Stier, 3-5; H. Cecil Sheppard, 4.  
Pens—Frank C. Stier, 1; H. Cecil Sheppard, 2-4; A. E. Wohlert, 3-5.

## SINGLE COMB RHODE ISLAND REDS.

Cocks—Wyebrook Farm, 1-3; John D. King, 2; H. P. Deming, 4; Edward W. Lewis, 5.  
Hens—Lester Tompkins, 1; Wyebrook Farm, 2; Old Acres, 3; Arthur A. Eddy, 4; F. E. Woodward, 5.  
Cockerel—Old Acres, 1-5; Nelson O. Ward, 2; A. S. Bailey, 3-4.  
Pullets—Maplecroft Farms, 1; Lester Tompkins, 2; Schenly Heights Poultry Yards, 3; Wyebrook Farm, 4; Quality Hill Poultry Yards, 5.  
Pens—Old Acres, 1-2; H. P. Deming, 3; Wyebrook Farm, 4; Lester Tompkins, 5.

## ROSE COMB RHODE ISLAND REDS.

Payne Bros., 1; Red Feather Farm, 2; Lester Tompkins, 3-4; Annesley M. Anderson, 5.  
Hens—Lester Tompkins, 1; Annesley M. Anderson, 2-3; Red Feather Farm, 4; Payne Bros., 5.

Cockerels—Red Feather Farm, 1-3; Louis Anderson, 2; Lester Tompkins, 4-5.  
Pullets—Payne Bros., 1; Lester Tompkins, 2-3; Red Feather Farm, 4; Henry Kinsel, Jr., 5.  
Pens—Red Feather Farms, 1; Annesley M. Anderson, 2; Payne Bros., 3; Lester Tompkins, 4; William H. Hearsfield, 5.

## WHITE DORKINGS.

Cocks—Henry Hales, 1.  
Hens—Ralph R. Chant, 1; Henry Hales, 2.  
Cockerel—Ralph R. Chant, 1.

## SILVER GRAY DORKINGS.

Cocks—Skyland Farms, 1; Henry Hales, 2.  
Hens—Skyland Farms, 1-2; Henry Hales, 3.

Cockerels—Henry Hales, 1-2-3.

Pullets—Henry Hales, 1-2-3.

## COLORED DORKINGS.

Cocks—Henry Hales, 1.  
Hens—Henry Hales, 1.  
Cockerel—Ralph R. Chant, 1.

## SINGLE COMB BUFF ORPINGTON COCKS.

Cocks—Joe-Pye Orpington Farm, 1-5; J. W. Clark, 2; Briarcliff Farm, 3; M. Marwell, 4.

Hens—Briarcliff Farm, 1-5; Hugh A. Rose, 2; Joe-Pye Orpington Farm, 3-4.  
Cockerel—William Cook & Sons, 1; Briarcliff Farms, 2-3; Hugh A. Rose, 4; H. A. Hoffman, 5.

Pullets—Hugh A. Rose, 1; Briarcliff Farm, 2; H. E. Challis, 3; J. W. Clark, 4; E. S. Parr, 5.

Pens—Joe-Pye Orpington Farm, 1; J. W. Clark, 2; Inglesand Poultry Yards, 3; Hugh A. Rose, 4; H. E. Challis, 5.

## ROSE COMB BUFF ORPINGTONS.

Cocks—A. R. Chandler & Son, 1; Dr. T. H. Smith, 2.

Hens—Hillside Farms, 1; Dr. T. H. Smith, 2; A. R. Chandler & Son, 3-5; R. C. Roecker, 4.

Cockerel—B. C. Roecker, 1-3; A. R. Chandler, 2.

Pullets—H. C. Faulkner, 1; B. C. Roecker, 2-5; A. R. Chandler & Son, 3; Dr. T. H. Smith, 4.

Pens—A. R. Chandler & Son, 1.

## SINGLE COMB BLACK ORPINGTON.

Cocks—Foxhurst Farm, 1-3; Hugh A. Rose, 2; Briarcliff Farm, 4; Kittering & Stute, 5.

Hens—Foxhurst Farms, 1; Kittering & Stute, 2; Briarcliff Farm, 3; Hugh A. Rose, 4; Black Orpington Yards, 5.

Cockerel—Foxhurst Farms, 1-3-4-5; Hugh A. Rose, 2.

Pullets—Foxhurst Farm, 1-2-3-5; Hugh A. Rose, 4.

Pens—Foxhurst Farm, 1-4; Hugh A. Rose, 2; Kettering & Stute, 3; Briarcliff Farm, 5.

## ROSE COMB BLACK ORPINGTONS.

Cocks—Aldrich Poultry Farm, H. C. Faulkner, 1; Chas. E. Faber, 2.

Hens—Beechcroft, 1; Paul C. Koeber,

2; H. C. Faulkner, 3; Chas. E. Faber, 4.

Cockerel—H. C. Faulkner, 1-2; Chas. E. Faber, 3.

Pullet—H. C. Faulkner, 1-3; Chas. E. Faber, 2.

## SINGLE COMB WHITE ORPINGTONS.

Cocks—Briarcliff Farm, 1; Aldrich Poultry Farm, 3-5; Hugh A. Rose, 2; Murray Linder, 4.

Hens—Aldrich Poultry Farm, 1; William Moore, 2; Murray Linder, 3-5; C. L. Pensyl, 4.

Cockerels—Briarcliff Farm, 1; Murray Linder, 2; J. W. Clark, 3; William Cook & Sons, 4; Blythwood Poultry Yards, 5.

Pullets—Murray Linder, 1-5; Haldie Nicholson, 2; Aldrich Poultry Farm, 3; P. A. Demgar, 4.

Pens—Aldrich Poultry Farm, 1-5; A. C. Hawkins, 2; Harmony Park, 3; William Moore, 4.

## ROSE COMB WHITE ORPINGTONS.

Cocks—Lawrence Jackson Farm, 1-3; Waldo Richardson, 2; S. D. Lance, 4-5.

Hens—Waldo Richardson, 1; Lawrence Jackson Farm, 2-3; Hugh Ross, 4; Chispa Farm, 5.

Cockerels—Lawrence Jackson Farm, 1-4; Waldo Richardson, 2; S. L. Lance, 3; Walter B. Cheney, 5.

Pullets—Lawrence Jackson Farm, 1-3; Waldo Richardson, 2; S. D. Lance, 4-5.

Pens—Waldo Richardson, 1; Lawrence Jackson Farm, 2-3.

## DIAMOND JUBILEE ORPINGTONS.

Cocks—Mrs. Henry B. Prescott.

Hens—Mrs. Henry B. Prescott, 1; Kolaneka Farm, 2.

Cockerels—Kolaneka Farms, 1-2.

Pullets—Briarcliff Farm, 1; Capt. Max de Bathe, 2-5; Kolaneka Farms, 3-4.

Pens—Kolaneka Farms.

## BLUE ORPINGTONS.

Cocks—W. H. Depper, 1-2; Haldie Nicholson, 3.

Hens—Haldie Nicholson, 1; W. H. Depper, 2-4-5; Henrietta E. Hooker, 3.

Cockerel—Haldie Nicholson, 1; W. H. Depper, 2-4-5; Blythwood Poultry Yards, 3.

Pullets—Haldie Nicholson, 1; Blythwood Poultry Yards, 2; Henrietta E. Hooker, 3; W. H. Depper, 4-5.

**THE MOST POPULAR FOWL today is U. R. Fishel's White Ply. Rocks**

# CROWTHER WINS AT CHICAGO

**AGAINST THE BIG BREEDERS OF THE EAST, SOUTH AND WEST**

In two of the great Chicago shows we have won second, fourth and two fifths on cocks; two firsts, fourth and fifth on hens; first on cockerel; first and fifth on pullets; first, second, third and fifth breeding pens; best color on male; best shape on male; best color on hen; best shape on female twice. Our 1st prize hen of this year, the greatest S. C. hen in the world. Write for our free mating list, it tells the story. Please mention American Poultry Journal.

**Ira M. Crowther : Box A : Willoughby, Ohio**

# BARRED PLYMOUTH ROCKS

The "Hoosier Strain" is again victorious at the great Chicago show, December 1912, winning second and third cock and fifth pen pullet mating in the largest and best class ever brought together. At the Chicago show, December 1911, we won first prize cock, generally considered to be the best male ever shown in Chicago.

At the last two Indianapolis shows we have won just half of the first prizes offered, or as many as the combined winnings of all competitors, besides numerous Specials. It takes quality to win at Indianapolis, and birds of our breeding has won at this show for ten consecutive years. We have hundreds of birds for sale, all bred from noted winners—the best we have ever offered—and will furnish you guaranteed winners for any show, large or small. Fine breeders to produce winners, mated by an expert. Utility birds bred from heavy layers. All stock sold at reasonable prices and shipped subject to approval. All birds are grown on unlimited range and have great stamina and vigor, found only in the "Hoosier Strain."

**Eggs for Hatching from the Finest Matings, \$10 per 15, \$25 per 50**

**G. EARL HOOVER, ROUTE 24, MATTHEWS, INDIANA**



Pens—Haldie Nicholson, 1; W. H. Deper, 2.

#### ANY OTHER VARIETY ORPINGTON MALES.

Goodacre Bros., 1-2.

#### ANY OTHER VARIETY ORPINGTON FEMALES.

Goodacre Bros., 1-2; Blythwood Poultry Yards, 1.

#### SINGLE COMB BROWN LEGHORNS.

Cocks—J. C. Williams, 1-3; Frank Schellang, 2; Grove Hill Poultry Yards, 4; Rockefeller & Hubbard, 5.

Hens—William Reepmeyer, 1; J. C. Williams, 2; Rockefeller & Hubbard, 3-4; Leon B. Resseguie, 5.

Cockerels—J. C. Williams, 1; Grove Hill Poultry Yards, 2-3-5; Astoria Leghorn Yards, 4.

Pullets—Grove Hill Poultry Yards, 1; J. C. Williams, 2; C. S. Cook, Jr., 3; Rockefeller & Hubbard, 5.

Pens—Grove Hill Poultry Yards, 1; Leon B. Resseguie, 2; Rockefeller & Hubbard, 3-5; J. C. Williams, 5.

#### SINGLE COMB BLACK LEGHORN.

Cocks—Turtle Point Farms, 1-2.

Hens—Turtle Point Farms, 1-2-3.

Cockerels—Turtle Point Farms, 1-2-3; H. C. Myer, 4.

Pullets—Turtle Point Farms, 1-4; Joseph Weston, 2; H. C. Myer, 3.

Pens—Turtle Point Farms, 2.

#### ROSE COMB BROWN LEGHORN.

Cocks—F. C. Tabor, 1; William T. Liddell & Son, 2; James R. Taylor, 3; Turtle Point Farms, 4; W. W. Kulp, 5.

Hens—B. H. Smalley, 1; W. W. Kulp, 2; William J. Hipkiss, 3; The Gale Poultry Place, 4-5.

Cockerels—H. S. Lamson, 1; Firefly Farm, 2; F. C. Tabor, 3-5; The Gale Poultry Place, 4.

Pullets—F. C. Tabor, 1; William Hipkiss, 2; Turtle Point Farms, 3; The Gale Poultry Place, 4-5.

Pens—Firefly Farms, 1.

#### SINGLE COMB WHITE LEGHORN.

Cocks—D. W. Young, 1-3-4-5; Skylands Farm, 2.

Hens—Elm Poultry Yards, 1; D. W. Young, 2-4-5; Skylands Farm, 3.

Cockerels—D. W. Young, 1-2-3; Skylands Farm, 4-5.

Pullets—Elm Poultry Yards, 1; Skylands Farm, 2-4; D. W. Young, 3-5.

Pens—Skylands Farm, 1-4; Elm Poultry Yards, 2; D. W. Young, 3-5.

#### SINGLE COMB DUCK WING LEGHORNS.

Cocks—Thomas Peer, 1.

Hens—Turtle Point Farms, 1-2; Thomas Peer, 3.

Cockerels—Thomas Peer, 1; Ralph L. Wilcox, 2; Turtle Point Farms, 2.

Pullets—Turtle Point Farms, 1-2; Thomas Peer, 3; Ralph L. Wilcox, 4.

Pens—Thomas Peer, 1.

#### ROSE COMB WHITE LEGHORNS.

Cocks—Turtle Point Farms, 1-2-3.

Hens—Turtle Point Farms, 1-2-3.

Cockerels—Turtle Point Farms, 1-2-3-5; A. F. Almendinger, 4.

Pullets—Turtle Point Farms, 1-2-3; A. F. Almendinger, 4.

Pens—Turtle Point Farms, 1-2.

#### SINGLE COMB BUFF LEGHORNS.

Cocks—William H. Heil, 1; Rodney A. Knapp, 2; L. E. Merrihew, 3-4; William A. Crevoiserat, 5.

Hens—Froh Heim Poultry Yards, 1; Rodney A. Knapp, 2-5; L. E. Merrihew, 3-4.

Cockerels—Rodney A. Knapp, 1-3; L. E. Merrihew, 2; Martin F. Fielder, 4; T. J. & W. F. Lindorff, 5.

Pullets—William H. Heil, 1-4-5; Rodney A. Knapp, 2; T. J. & W. F. Lindorff, 3.

Pens—Monmouth Poultry Farms, 1; Royal Farms, 2; T. J. & W. F. Lindorff, 3; Rodney A. Knapp, 4; Froh Heim Poultry Yards, 5.

#### ROSE COMB BUFF LEGHORNS.

Cocks—William I. Peck, 1; James D. Pearce & Son, 2.

Hens—Howard J. Fisk, 1-3; James D. Pearce & Son, 2; P. E. McGran, 4; William I. Peck, 5.

Cockerels—Howard J. Fisk, 1-3-4; William I. Peck, 2; Dr. M. A. Stivers, 5.

Pullets—Howard J. Fisk, 1-2-4; P. E. McGran, 3; Dr. M. A. Stivers, 5.

Pens—Fred Bertram, 1.

#### SILVER CAMPINES, ENGLISH TYPE.

Cocks—Manhattan Farms, 1-5; M. R. Jacobus, 2-3; Ridge Egg Farm, 4.

Hens—Manhattan Farms, 1-4-5; M. R. Jacobus, 2-3.

Cockerel—Manhattan Farms, 1-2-5; Capt. Max de Bathe, 3; Kolaneka Farms, 4.

Pullets—A. F. Van Schelli, 1; Manhattan Farms, 2-4; M. R. Jacobus, 3; Capt. Max de Bathe, 5.

Pens—Manhattan Farms, 1-4; A. F. Van Schelli, 2; Ridge Egg Farm, 3; Henry Battin, 5.

#### GOLDEN CAMPINES, ENGLISH TYPE.

Cocks—Manhattan Farms, 1.

Hens—M. R. Jacobus, 1-3-4; Manhattan Farms, 2-5.

Cockerel—Manhattan Farms, 1-2-4; A. F. Van Schelli, 2; M. R. Jacobus, 5.

Pullets—Manhattan Farms, 1-2-3-4; M. R. Jacobus, 5.

Pens—Manhattan Farms, 1-3; M. R. Jacobus, 2.

#### SILVER CAMPINES, BELGIAN TYPE.

Pullets—A. F. Van Schelli, 1-3; Thomas Keeler, 2.

#### GOLDEN CAMPINES, BELGIAN TYPE.

Hen—A. F. Van Schelli, 1-2.

#### BLACK MINORCAS.

Cocks—Yama Farms, 1-3-5; Klee Bros., 2; Lennard Paauroe, 4.

Hens—Bernard B. Young, 1; Klee Bros., 2-4-5; Yama Farms, 3.

Cockerels—Yama Farms, 1-4-5; Klee Bros., 2; John Bets, 3.

Pullets—Yama Farms, 1-4-5; N. N. Grenier, 2; Klee Bros., 3.

Pens—Yama Farms, 1-4; Klee Bros., 2-3.

#### WHITE MINORCAS.

Cocks—Mrs. J. C. Osborne, 1; Harvey J. Teetz, 2; C. Augustus Raschke, 3.

Hens—Harvey J. Teetz, 1-2; Havencroft Poultry Yards, 3; C. Augustus Raschke, 4; Mrs. Philip Karl, 5.

Cockerels—C. Augustus Raschke, 1;

Mrs. J. G. Osborne, 2; Harvey J. Teetz, 3; N. J. Cole, 4-5.

Pullets—Harvey J. Teetz, 1-2; Mrs. J. G. Osborne, 3; C. Augustus Raschke, 4; Mrs. Philip Karl, 5.

#### ROSE COMB WHITE MINORCAS.

Cocks—Mrs. J. G. Osborne, 1; Ralph Roubush, 2; Thomas Brogden, 3.

Hens—Mrs. J. C. Osborne, 1; Ralph Roubush, 2; Thomas Brogden, 3.

Cockerels—Mrs. J. C. Osborne, 1; Thomas Brogden, 2; Mrs. G. Schoonmaker, 3; Ralph Roubush, 4.

Pullets—Ralph Roubush, 1; Mrs. G. Schoonmaker, 2; Thomas Brogden, 3; Mrs. J. G. Osborne, 4.

#### ROSE COMB BLACK MINORCAS.

Cocks—G. A. Clark, 1; T. A. McKittrick, 2-3; Ross Swartout, 4; M. V. Allen, 5.

Hens—Ross Swartout, 1-2; T. A. McKittrick, 3; J. M. Vanderbilt, 4; C. A. Clark, 5.

Cockerels—H. A. Keister, 1; Ross Swartout, 2; M. V. Allen, 4; J. M. Vanderbilt, 5.

Pullets—Ross Swartout, 1-4; J. M. Vanderbilt, 2-3; G. A. Clark, 5.

Pens—Ross Swartout, 1; G. A. Clark, 2; T. A. McKittrick, 3-5; Eleanor W. Smith, 4.

#### SUSSEX FOWLS.

Cocks—Dr. W. H. Conrad, 1; Conrad & Bratt, 2-3; Walter E. Smith, 4; W. K. Conrad, 5.

Hens—Walter E. Smith, 1; Conrad & Bratt, 2-4; W. K. Conrad, 3; Dr. H. W. Conrad, 5.

Cockerels—Conrad & Bratt, 1-3-4; Walter E. Smith, 2.

## COLUMBIAN WYANDOTTES

Select exhibition stock. Ready for early shows. My customers are sure to win from our selection. Many have been pleased. To make room I will sell one extra good pen of 8-yearling females and male at \$20. Write for literature in full description of the breed.

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BARBERTON, OHIO

## S.C. Black Orpingtons

Herrick Poultry Yards have been breeding Blacks for eleven years. My winnings at such shows as Chicago, St. Louis, Cleveland and Detroit are positive evidence that I have quality. Some choice stock for sale. Kindly let me quote prices. Please mention American Poultry Journal when writing.

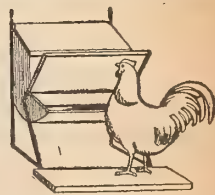
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Install in your pens one 20th Century Feeder and Exerciser, one 20th Century Dry Mash Feeder, one 20th Century Drinking Fountain. Your health will be restored. Your pleasure will be abundant. Your results will be wonderful. Your worry will be no more. Your profits will increase. Booklet free, it tells the story.

C. S. Barnes Department 3—86 King Avenue Columbus, O.



## BRADY'S WHITE ORPINGTONS

Made show records last year for myself and my customers unapproached by any breeder in the United States. In the PHILADELPHIA SHOW I won FIRST PEN. The pen winning second was of my birds and in the hands of my customer, V. K. Dayhoff of York, Pa. I also won FIRST HEN and REFUSED \$1,000 for her. In the great NASHVILLE (TENN.) SHOW I sold my two best pullets for \$175. My first hen in this show was pronounced the best hen ever shown in the great South. My young pen was beaten only by a pen of old birds direct from England. My customers, also, won in this show, as well as DES MOINES, IOWA; LANSING, MICH.; WHEELING, W. VA.; LEBANON, PA.; BALTIMORE, MD.; CHICAGO ILL.; MADISON SQUARE GARDEN, NEW YORK, etc., etc. This year I have more size and high show quality than I have ever had and can furnish birds for your early shows that will add credit to their new owners. Write for prices, mention A. P. J. Birds shipped on approval.

Eggs, \$5, \$10 and \$15 per 15

J. S. Brady, Parkers Landing, Pa.



Pullets—Conrad & Bratt, 1-2-3; Walter E. Smith, 4.

#### BLUE ANDALUSIANS.

Cocks—Llangollen Farm, 1-4; E. D. Bird, 2; J. E. Bliss, 3; W. Vollmers, 5.  
Hens—Thomas Peer, 1; E. D. Bird, 2; Llangollen Farm, 3-4-5.  
Cockerels—E. D. Bird, 1-4; Llangollen Farm, 2; J. E. Bliss, 3-5.  
Pullets—E. D. Bird, 1-2-5; Llangollen Farm, 3; J. E. Bliss, 4.  
Pens—Llangollen Farms, 1.

#### BLACK SPANISH.

Cocks—R. A. Rowan, 1-2-3.  
Hens—R. A. Rowan, 1-2-3-4-5.  
Cockerels—R. A. Rowan, 1-2-3-4.  
Pullets—R. A. Rowan, 1-2-3-4-5.

#### WHITE CRESTED BLACK POLISH.

Cocks—Mrs. John Mayer, Jr., 1; Carpenter & Carpenter, 2.  
Hens—Mrs. John Mayer, Jr., 1-3; Carpenter & Carpenter, 2.  
Cockerels—Mrs. John Mayer, Jr., 1.

#### BEARDED GOLDEN POLISH.

Cocks—J. Wilks O'Neil, 1.  
Hens—J. Wilks O'Neil, 1.

#### BUFF LACED POLISH.

Cocks—Llangollen Farm, 1.

Hens—Llangollen Farm, 1.  
Cockerel—Llangollen Farm, 1.  
Pullets—Llangollen Farm, 1.  
Pens—Llangollen Farm, 1.

#### SILVER SPANGLED HAMBURG.

Cocks—Dr. J. S. Wolfe, 1; Elmer E. Wert, 2; W. W. Brown, 3.  
Hens—Dr. J. S. Wolfe, 1-2.  
Cockerels—Dr. J. S. Wolfe, 1; Elmer E. Wert, 2; H. H. Dopp, 3.  
Pullets—Dr. J. S. Wolfe, 1; Charles C. Gran, 2; H. H. Dopp, 3.  
Pens—Charles C. Gran, 1.

#### HOUDANS.

Cocks—Sheffield Hope Farm, 1; Silent Brook Farm, 2-5; Houdan Yards, 3; Miss M. Clark, 4.  
Hens—Silent Brook Farm, 1-5; Miss M. Clark, 2; Sheffield Hope Farm, 3; Houdan Yards, 4.  
Cockerels—Capt. C. E. Arnold, 1-2-3; Sheffield Hope Farm, 4; A. H. Scribner, 5.  
Pullets—Sheffield Hope Farm, 1-2; Miss M. Clark, 3-4; Llangollen Farm, 5.  
Pens—Silent Brook Farm, 1; Miss M. Clark, 2; Llangollen Farm, 3-5; Sheffield Hope Farm, 4.

#### FAVEROLLES—WHITES.

Cocks—E. H. Kluge, 1.  
Hens—D. Lincoln Orr, 1.  
Cockerels—D. Lincoln Orr, 1.  
Pullets—E. H. Kluge, 1-2; D. Lincoln Orr, 3.

#### FAVEROLLES—ANY OTHER COLOR.

Cocks—O. Keck, 1; Evergreen Poultry Farm, 2.  
Hens—O. Keck, 1-2; Evergreen Poultry Farm, 3.  
Cockerels—O. Keck, 1-3; Evergreen Poultry Farm, 3.  
Pullets—Evergreen Poultry Farm, 1.  
Pens—Evergreen Poultry Farm, 1.

#### LAKENVELDERS.

Cocks—Ralph C. Greene, 1-2-4; W. R. Legron, 3.  
Hens—Ralph C. Greene, 1-2-3; W. R. Legron, 4.  
Cockerels—Ralph C. Greene, 1-2-4; W. R. Legron, 3.  
Pullets—Ralph C. Greene, 1-2-3; W. R. Legron, 4.  
Pens—W. R. Legron, 1; Ralph C. Greene, 2.

# E. B. Thompson's Imperial "Ringlet" Barred Plymouth Rocks

Win the most wonderful record beyond all precedent in Barred Rock history at the imperial and most classic show of all America---Madison Square Garden, New York---this winter of 1913. Winnings as follows:



"Ringlet" First Prize Cock at Madison Square Garden, New York, 1910-1911

First prize, second, sixth and eighth on cockerels.

First prize and sixth on pullets.

First, second and fifth on exhibition pens.

First on cockerel mated pen.

Second, third, fourth and fifth on cocks.

The imperial prize of the show, sweepstakes special for champion male.

Sweepstakes special for champion female.

Diploma presented by the American Poultry Association for best cockerel.

Sweepstakes cup for best Plymouth Rock hatched in 1912, male or female, any variety.

Challenge silver cup for best exhibition pen.

Special best shaped male.

Special best shaped female.

Special best colored male.

Special best colored female.

Best cock, cockerel, hen and pullet. Four best cockerels. Four best pullets. \$25 special prize presented by the New York Show for finest display. All silver cups and cash specials. Four times

as many first prizes as any competitor. More first prizes than all competitors combined. More first, regular and special prizes than won by any exhibitor of any breed.

My exhibit of 56 birds was the best the world has ever seen. No other Barred Rock breeder has ever produced or is producing such matchless quality. Every feather in my exhibit was bred on my farm. My first prize champion cockerel and first prize champion pullet are years ahead of their time—they are the product of the highest skill.

No other Barred Rock breeder has ever accomplished the unprecedented achievement of winning the two greatest prizes in the world—champion male and champion female—at one show in Madison Square Garden.

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*E. B. Thompson*

Lock Box 510  
Amenia, New York



**EXHIBITION GAMES—ANY VARIETY.**

Cocks—Michael Welch, 1; Henry Bennett, 2.  
Hens—James Adamson, 1-2; Michael Welch, 3; Henry Bennett, 4.  
Cockerels—James Adamson, 1-2.  
Pullets—James Adamson, 1-2.

**INDIAN GAMES.**

Cocks—Dartmoor Yards, 1; J. N. Hazlett, 2; William Hardy, 3; Robert Kelley, 4; G. R. White, 5.  
Hens—J. N. Hazlett, 1-2; Dartmoor Yards, 3; William Hardy, 4; William H. Long, 5.  
Cockerels—J. N. Hazlett, 1-3; Elmer J. William, 2; Sam Dunlop, 4.  
Pullets—J. N. Hazlett, 1-5; Cornish Poultry Yards, 2-4; G. D. Tilley, 3.  
Pens—J. N. Hazlett, 1; William H. Long, 2.

**BROWN RED PIT GAMES.**

Cocks—J. M. Vanderbilt, 1-3; Ralph C. Greene, 2.  
Hens—Ralph C. Greene, 1; Edwin S. Dixon, Jr., 2; South Side Poultry Farm, 3; J. M. Vanderbilt, 4; Jack Griffin, 5.  
Cockerels—J. M. Vanderbilt, 1-2; Silas Wodell, 3.

Pullets—A. F. Spangler, 1; J. M. Vanderbilt, 2-3.

**BLACK RED PIT GAMES.**

Cocks—Rogers & Miller, 1; P. H. B. Frelinghuysen, 2; George G. Beattie, 3; Henry E. Neise, Jr., 4; Silas Wodell, 5.  
Hens—Richard Deming, Jr., 1; Rogers & Miller, 2; Jack Griffin, 3; R. B. Burnside, 4; P. H. B. Frelinghuysen, 5.  
Cockerels—Rogers & Miller, 1; Jack Griffin, 2; Frank G. Deinzer, 3; P. H. B. Frelinghuysen, 4-5.  
Pullets—Rogers & Miller, 1; Richard Deming, 2; P. H. B. Frelinghuysen, 3-4; Bert Carey, 5.

**GRAY AND DUCKWING PIT GAMES.**

Cocks—South Side Poultry Farm, 1; Ralph C. Greene, 2.  
Hens—Ralph C. Greene, 1; South Side Poultry Farm, 2.  
Cockerels—J. M. Vanderbilt, 1; C. A. Brown, 2; Frank G. Deinzer, 3.

**ROUND HEADS—ANY COLOR.**

Cocks—Rogers & Miller, 1; Ralph C. Greene, 2-3; P. H. B. Frelinghuysen, 4-5.  
Hens—Rogers & Miller, 1; P. H. B. Frelinghuysen, 2; Charles M. Brice, 3.  
Cockerels—P. H. B. Frelinghuysen, 1.

Pullets—P. H. B. Frelinghuysen, 1.

**ANY OTHER COLOR PIT GAMES.**

Cocks—Ralph C. Greene, 1-2; George G. Beattie, 3; Frank G. Denzier, 4; Rogers & Miller, 5.  
Hens—Rogers & Miller, 1; P. H. B. Frelinghuysen, 2; R. B. Burnside, 3; South Side Poultry Farm, 4; George G. Beattie, 5.  
Cockerels—Rogers & Miller, 1; C. A. Brown, 2; A. F. Spangler, 3; J. H. Irwin, 4-5.  
Pullets—Rogers & Miller, 1; P. H. B. Frelinghuysen, 2; Edwin S. Dixon, Jr., 3.  
Pens—R. B. Burnside, 1.

**ANY OTHER VARIETY POULTRY.**

Cocks—Paul Pomeroy Ives, 1; J. H. Clark, 2; Lloyd M. Hallenbeck, 3.  
Hens—Paul Pomeroy Ives, 1; Lloyd M. Hallenbeck, 2; August Schwarz, 3.  
Cockerels—Albert Angell, 1-2-3; Lloyd M. Hallenbeck, 4; David Forest, 5.  
Pullets—Lloyd M. Hallenbeck, 1; David Forest, 2; N. B. Hartman, 3.

**PEKIN DUCKS.**

Old Drake—Ridgeleigh Fruit & Poultry Farm, 1; Bella Vista Farm, 2; Westbrook Farm, 3-4; Edward F. Mulford, 5.

# E. B. Thompson's Imperial "Ringlet" Barred Plymouth Rocks

This new 1913 championship record on opposite page is the most notable of all the thrilling achievements at Madison Square Garden for which E. B. Thompson's Imperial "Ringlets" are famed. This amazing record transcends all that have gone before it and makes my unequalled record for 25 years at Madison Square Garden all the more remarkable.

Furthermore—The "Ringlets" have won every silver trophy that has ever been offered at Madison Square Garden to be won three times. In short every trophy on Barred Rocks that has ever been offered to be won three times has been finally won by me. Among them are the \$100 challenge trophy and \$100 association cups.

## If You Want to Win and Breed Winners

You must have my Imperial "Ringlets." It will be to your best interests to have my grand birds and eggs as a foundation and to improve your stock. The rich results of my more than thirty years as a Barred Rock breeder may be yours. My long experience has produced thousands of prize winners for myself and customers. I will help you to the best of my ability, rest assured of this.

Elegant breeding and exhibition cocks, cockerels, hens and pullets of the richest first prize New York blood for sale in any number. Show birds fit to win in any competition in any show.

Richly illustrated 70-page catalogue mailed upon request, it is full of original pictures of New York winners from life.

**Eggs** From the finest exhibition matings in the world, \$10.00 per setting; four settings, \$35.00; one hundred eggs, \$60.00.



"Ringlet" First Prize Cockerel and Champion Male at Madison Square Garden, New York, 1910-1911.

SEE MY OTHER AD. ON  
BACK COVER PAGE

*E. B. Thompson*

Lock Box 510

Amenia, New York



Old Duck—Ridgeleigh Fruit & Poultry Farm, 1; Westbrook Farm, 2-4; Delaware Duckerie, 5.  
 Young Drake—A. C. Beckstein, 1; Ridgeleigh Fruit and Poultry Farm, 2; Westbrook Farm, 3-4; Delaware Duckerie, 5.  
 Young Duck—Ridgeleigh Fruit & Poultry Farm, 1; Delaware Duckerie, 2; Westbrook Farm, 3-5; A. C. Beckstein, 4.  
 Pens—Delaware Duckerie, 1; Westbrook Farm, 2-3.

## ROUEN DUCKS.

Old Drake—J. H. Clark, 1; W. H. Mazon, 2.  
 Old Duck—W. H. Mazon, 1.  
 Young Drake—R. F. Barlow, 1; Lucknow Farms, 2.  
 Young Duck—R. E. Barlow, 1; Lucknow Farms, 2.

## WHITE CRESTED DUCKS.

Drake—Edwin H. Morris, 1.  
 Duck—Edwin H. Morris, 1.

## MUSCOVY DUCKS.

Old Drake—Glenbreekin Farm, 1; Edwin H. Morris, 2.  
 Old Duck—Glenbreekin Farm, 1.

## MALLARD DUCKS.

Drake—Glenbreekin Farm, 1-2-3; A. C. Beckstein, 4.  
 Duck—Glenbreekin Farm, 1-2-3; A. C. Beckstein, 4-5.

## EAST INDIAN DUCKS.

Drake—Edwin H. Morris, 1.  
 Duck—Edwin H. Morris, 1.

## ALESBURY DUCKS.

Drake—Edwin H. Morris, 1.  
 Duck—Edwin H. Morris, 1.

## BLUE SWEDISH DUCKS.

Drake—Hill Crest Duck Farm, 1; Edwin H. Morris, 2.

Duck—Hill Crest Duck Farm, 1; Edwin H. Morris, 2.  
 Young Duck or Drake—Hill Crest Duck Farm, 1; Edwin H. Morris, 2.

## INDIAN RUNNER ENGLISH PEN-CILED DUCKS.

Old Drake—Snow Crest Poultry Farm, 1; Charles Fraser, 2.  
 Old Duck—C. S. Valentine, 1; Snow Crest Poultry Farm, 2-3.  
 Young Drake—Mrs. Andrew Brooks, 1; Snow Crest Poultry Farm, 2-4; Dr. J. C. McPherson, 3; Mrs. Andrew Brooks, 5.  
 Young Duck—Charles Fraser, 1; Mrs. Andrew Brooks, 2; Mrs. H. M. Davis, 3-4; Snow Crest Poultry Farm, 5.

## INDIAN RUNNER DUCKS.

Old Drake—J. H. Clark, 1; Sinclair Smith, 2-5; Goebel Bros., Royal Farms, 4.  
 Old Duck—Sinclair Smith, 1-2; Edwin H. Morris, 3; Snow Crest Poultry Farm, 4; Royal Farms, 5.

Young Drake—Edwin H. Morris, 1; W. H. Mazon, 2; Snow Crest Poultry Farm, 3; Royal Farms, 4; Sinclair Smith, 5.

Young Duck—W. H. Mazon, 1; Sinclair Smith, 2-4; Royal Farms, 3; Snow Crest Poultry Farm, 5.

White—Meadowbrook Farm, 1; H. Gullickson, 2; J. C. Patton, 3; W. R. Legron, 4; C. S. Valentine.

White Duck—Meadowbrook Farm, 1; Silent Brook Farm, 2; J. C. Patton, 3; W. R. Legron, 4; H. Gullickson, 5.

Young White Drake—J. C. Patton, 1-4; Meadowbrook Farm, 2; W. R. Legron, 3; Silent Brook Farm, 5.

Young White Duck—J. C. Patton, 1-3; Meadowbrook Farm, 2; H. Gullickson, 4; Silent Brook Farm, 5.

Pens—Royal Farms, 1; Sinclair Smith, 2-3; Westlook Farms, 4; J. N. Hazlett, 1; W. R. Legron, 2.

## BUFF ORPINGTON DUCKS.

Old Drake—Wildbrook Farm, 1; F. B. Crawford, 2.

Old Duck—Wildbrook Farm, 1; F. B. Crawford, 2.

Young Drake—Wildbrook Farm, 1.  
 Young Duck—Wildbrook Farm, 1.  
 Pens—F. B. Crawford, 1.

## BRONZE TURKEYS.

Cocks—Bird Bros., 1-3-5; Harvey L. Fike, 2; S. M. Yoder, 5.  
 Hens—Bird Bros., 1-2-4; Harvey L. Fike, 3.

Cockerels—Bird Bros., 1-2-5; Harvey L. Fike, 3-4.  
 Fike, 4.

## WHITE TURKEYS.

Cocks—W. L. Burnett, 1; John H. Stickles, 2; South Side Poultry Farm, 3; Royal Farms, 4.

Hens—Royal Farms, 1; John H. Stickles, 2; W. L. Burnett, 3.  
 Cockerels—W. L. Burnett, 1-3-4; Royal Farms, 2.

Pullets—Royal Farms, 1.

## BUFF TURKEYS.

Hens—C. W. Hawkins, 1-2-3-4.

## SLATE TURKEYS.

Cocks—Sara A. Little, 1.

Hens—Charles W. Jones, 1.

## BOURBON RED TURKEYS.

Cocks—Charles W. Jones, 1-2.

Hens—Charles W. Jones, 1.

Young Cock—Charles W. Jones, 1.

Young Hen—Charles W. Jones, 1.

## TOULOUSE GEESE.

Gander, Old—Westbrook Farm, 1.

Goose, Old—Westbrook Farm, 1.

Gander, Young—Westbrook Farm, 1.

Goose, Young—Westbrook Farm, 1.

Pens—Westbrook Farm, 1.

## EMBDEN GEESE.

Gander, Old—Sara A. Little, 1.

Goose, Old—Sara A. Little, 1.

Gander—Sara A. Little, 1; John H. Stickles, 2.

Goose, Young—Sara A. Little, 1.

# E. B. Thompson's Imperial "Ringlet" Barred Plymouth Rocks

The Finest Birds in All America Are Here on My Farm Today  
THOUSANDS IN NUMBER



The reason for my unprecedented winning at the last 1913 Madison Square Garden, New York, Show is very evident on my farm on all sides. See pages 304 and 305 for this wonderful record.

Emerson said:—"If a man can write a better book or make a better mouse trap than his neighbor, though he build his house in the woods the world will make a beaten path to his door." The path to my farm is well trodden by prominent breeders.

I invite you to come and see my Imperial "Ringlets" at home—on their native ground. A visit here will be a revelation in the science of Barred Rock breeding; you will see buildings full of the rarest of exhibition birds, and breeders full of New York First Prize blood, grand in size and shape, great length of backs and bodies, with tails carried right; splendid heads and clear blue color, with narrow, sharp, cleancut vivid barring to the skin. You will see my wonderful matings that will produce the champion first prize winners for next winters shows. I now have on my farm five times as many first prize Madison Square Garden males as any breeder in America.

## I WILL SELL YOU EGGS FROM THE FINEST MATINGS IN ALL THE WORLD

Elegant cocks, cockerels, hens and pullets of the richest New York first prize champion blood for sale and mated to produce prize winners. I will take a warm personal interest in your success.

My "Ringlets" are wonderful layers of fine eggs as well as win the blue.

Richly illustrated 70-page catalogue upon request. It is full of illustrations of New York winners from life.

EGGS from the finest exhibition matings in all the world, \$10 per setting; four settings for \$35. One hundred eggs, \$60.

"Ringlet" First Prize and Sweepstakes Cup Exhibition Pen at Madison Square Garden, New York, 1910-11

SEE MY OTHER  
ADS.

E. B. Thompson

Lock Box 510  
Amenia, New York



# The Great Williamsport Show

The Forerunner of the Big Events—Larger and Better Classes Than Ever.

By H. P. Schwab

**W**ILLIAMSPORT has again set the pace and opened the season of big shows in its usual grand style. Larger and better than ever before is the word in truth, and the same that we have had to chronicle for some years past. It is a show of progress, with progress seen every year and with honors eagerly sought after by many of our best breeders. A win at Williamsport is one of the best advertisements we know of, and we note the fortunate ones take due advantage and let the world know their Williamsport record. Here year after year are to be found the breeders of a dozen or more states competing, which assures class in all varieties and quality to win.

The association and management is all that can be asked for. The officers and members are the right kind of fanciers who have held together for years with the object of holding a great and clean show. This they have done and year by year have given a better and greater show and added to their reputation until now their work and their fame is acknowledged to be among the best and greatest successes made by any association in the land.

President James T. Huston, Vice-President J. R. Heim, Secretary George P. Stryker, Treasurer A. A. Swartz, Superintendent E. B. Darrow and all members one and all have grandly done their share to achieve the success made, and we can well add, its well done.

The banquet this year was a feature event relished by all and attended by upwards of a hundred exhibitors. The large dining room of the Henry House was finely decorated and a feed worthy of the fancy was served. There was music and singing by the famous Heim quartet, and speeches by some of the officers, judges and exhibitors present. It was an event that we will long re-

member for its perfect harmony and the general good wishes extended to and by all.

The Armory, where the show is held, is a beautiful building, large and grandly lighted. The show was well arranged, with the paper booths and the displays of poultry foods and appliances around the sides. The attendance was great. We think that every man that has chickens within a hundred miles from there reported, and it goes without saying they all received full value at the show.

## The Exhibitors and Their Birds.

The Barred Rocks were the largest class, with 159 birds shown, by several leading and well-known exhibitors competing. It was a class of the best of quality and highest merit all through. Mr. Henry D. Riley, Strafford, Pa., made his third exhibit here and was rewarded by winning first and seventh cock, first hen, fourth cockerel, third pullet, first cockerel bred pullet and second pen. The winning cock was a beauty, well finished and a rare good one in every way. His first cockerel is a bird of promise, showing grand line barring and the best of color. He was a little young and not at his best here.

Another prominent breeder who has been exhibiting here for some years and has made a grand record here and elsewhere in Barred Rocks is Mr. S. M. Goucher, Moorestown, N. J. Their winnings this year were second and third cocks, fifth cockerel and first pen. This pen also won Silver Cup for best pen at the show, all competing, a distinction seldom won by Barred Plymouth Rocks. It was a beauty pen, wonderfully mated and of the very highest quality; the cockerel a bright snappy bird of exquisite color and form and the four females just alike and shown at their best. We hope to meet this line again. They show marked quality each year, and

we have confidence in that kind of breeding.

Mr. Robert J. Walden, Middleburg, Md., has been doing things for the past two or three years with his line of Barred Rocks at Baltimore, Hagerstown, etc., and we were pleased to see both he and his birds at this show. His winnings were fifth cock, third, fifth and seventh hens, seventh cockerel, first, second and eighth pullets, first, fourth, fifth and sixth pullet-bred cockerels, first and second cockerel-bred hens, second and fourth cockerel-bred pullets and third exhibition pen with several specials included. With 28 birds entered he had 23 placed, a record that looks pretty good in this great class.

Mr. James T. Huston, Williamsport, Pa., received several mentions in the awards and also won first pullet-bred cock on a bird that was also a winner as a cockerel and today is better than ever. His size, with shape and clean line barring are marvelous. His color is very even and very clean, a noble bird in every way. Mr. Huston has been a very successful breeder and this season we have seen several birds he sold win near future.

Mr. Boyd Johnston, Rupert, Pa., entered several birds, but as a rule they were not ready for showing. His fourth pullet is a bird of every promise that no doubt will be heard from later. Mrs. Johnston also exhibited a good line of S. C. Reds that were well placed.

First cockerel was won by C. Leibensberger on a very fine bird well shown, with shape and barring of quality.

Judge C. G. Whitehead, Williamsport, was also a conspicuous winner in Barred Rocks. This was but his second show and we promise he will make good in the next at shows.

The Eastern Ideal Farm, Norristown, Pa., sent in a few birds that also won some ribbons, but their line was divided at two shows and rather young birds were shown here. Their great winnings of this fall at Allentown, Trenton, etc., have been given before.

Second cockerel shown by H. B. Douglas, was a beauty in shade of color

**CARVER'S RED FARM, SEVILLE, OHIO, See Ad On Next To Last Page**



## ONLYA FARM WHITE WYANDOTTES

### DAY OLD CHICKS AND EGGS

Never before have we yarded better matings and never before have we taken such painstaking care in mating them to produce the largest percentage possible of high class exhibition birds. Our matings contain the noted prize winners at Allentown, Hagerstown, Augusta, Palace and Madison Square, and from these matings we want to sell you eggs and chicks. Remember our birds won in competition with America's Best.

### BREEDING AND EXHIBITION STOCK

#### OUR SEAMLESS LEG BANDS

Tell the story. When a bird reaches about a pound in weight a seamless leg band is put on; it cannot be removed; there it remains as the seal of Onlya Farm quality, and every young bird on our farm contains the band. Send for Catalogue and Mating List.

Onlya Farm, Philip Kearny, Owner, Chas. B. Staaff, Mgr., Florham Park, N. J.



and type, but needed a week to finish properly.

White Rocks were a quality show all in themselves. It is seldom we see a class with such superb quality all through; every bird shown was a worthy specimen. In this class the Webster Farms, Girard, Pa., won first and fifth cocks, first hen and first pullet. The winning cock also won special for best cock in the show, while the first hen won special for best hen at the show and cup for best bird of all in the entire exhibit. This line has won for years at prominent shows and two years ago won two firsts and three seconds at Madison Square Garden, New York.

Close up with every honor came the exhibit of Highland Farm, York, Pa., winning third and fourth cocks, second and fifth hens, first and fourth cockerels, fifth pullet and first pen. The winning cockerel was of the sensational kind, a bird in the best of condition and with every quality required in a great bird. A fine head and the best of carriage set him off well. This line also is one of the old and reliable favorite ones that has a record as long as a flag pole and as bright as the banner we are used to seeing way up high.

Mr. E. B. Darrow, Williamsport, also won well in this class with a choice line of birds, particularly his second cock, a bird of merit and when at his best will make all step fast. His third hen and third pullet were choice birds of grand good quality.

In Buff Rocks, and most anyone can admire that color, Mr. Ed H. Lichtenwalter, Girard, Pa., entered four birds and won all four first prizes. The birds were shown at their best and were just right. All deserve special mention, but we wish to just add that the first pullet was about as neat a chick as we have seen.

White Wyandottes were a class of 85 birds and a very even lot all through. Here, like in all the large classes, prizes to eight were given and these honors were distributed over a great field of contenders.

Mr. J. R. Sims, Williamsport, won first pen, first cockerel and fifth pullet, with several specials.

Mr. J. R. Heim, Williamsport, won third and fifth hens, second and third cockerels and specials.

T. F. Shambach, Bloomsburg, won first cock, fourth hen and fifth cockerel.

Mr. W. E. Gage, Williamsport, won first pullet and sixth cockerel. Mr. Gage is one of the reliable old guard of the show, and we are pleased to see him in the winning. Next to winning in Wyandottes his likes are to see Mrs. Gage win with her Buff Leghorns, which she did well here, taking first and fourth hens, first cockerel and third and fifth pullets in a good large class.

Buff Wyandottes was one of the best classes we have seen of this variety, there being about 80 birds shown. L. W. Winner, Williamsport, winning first cock, first, second and third hens, first cockerel, first and second pullets and first pen. But who can help but win with his name?

In Golden Wyandottes most all prizes went to A. B. Kahler, Hughesville, Pa.

One hundred and ten S. C. Reds faced the judge in all their beauty, and here again it was a battle between several large and well-known breeders, including L. W. Maxson, Mrs. Boyd Johnston, B. H. Bastian, A. A. Schwartz, E. E. Seasoltz, Milton Springer, etc. All these had nice entries and won well. The winners were exceptionally fine birds.

The S. C. White Orpingtons were a rich class of quality, with the feature in the first prize pen shown by Mr. John C. Peifer, Danville, Pa. The quality was of the best, very even and in the best condition. Mr. Peifer also won third and fourth cocks, second, third and fourth hens, second, fourth and eighth cockerels.

First cock, first hen and third cockerel was won by Mr. C. A. Phillips, Syracuse, N. Y.

Buff Orpingtons, a large and representative class, with sound color evident and fine head points. The pullet class was extra good.

Black Orpingtons and Rose Comb White and Buff also made a good showing in strong entries and real quality.

Blue Orpingtons were shown for the first time here and cut a very large figure. The birds shown were certainly of the best of quality in color and very handsome. The feature was the beautiful shape of these birds. In form they excel. It seems to be natural for them to have the required shape, and the winning cock won several specials and was

well considered for all general prizes. Blue Orpingtons have come to stay.

S. C. White Leghorns with 155 birds was the second largest class at the show. It was a rich one throughout, with several well-known breeders exhibiting. This has always been a hot Leghorn show, and to win here means to have the highest of quality. The winners here were the Eastern Ideal Farms, Norristown, Pa.; H. C. Wack, E. B. Darrow, H. K. Koons, Sonder Bros., C. P. Newell, etc. The winning cock by Sonder Bros. and winning cockerel by H. C. Wack were the feature males, while the first hen shown by the Eastern Ideal Farms was the gem of the females, shown in beautiful condition and of the best of shape and size; she was the delight of all.

The pens were a whole show by themselves, being unusually good and grandly mated. Judge Burgott surely did a high-class job.

S. C. Buff Leghorns were another large class, with many fine birds seen to advantage. First cockerel a real beauty. Other classes of Leghorns very good in numbers and quality.

The S. C. Black Minorcas were the largest and best class we have seen out this year, with 50 or more birds. They formed a nice collection, rich in color and form.

Silver Campines were a delightful class all through and unusually large for this new variety, with 65 birds in line. The quality was extra good and the interest this exhibit created bids well for the future. Mr. W. M. Patteson, Penn Yan, N. Y., was the leading winner with first pen, second cock, first and second hen, first, second, third and fifth cockerels and first and second pullets. Other winners were M. B. Pretzman, J. L. Pullhamus, P. Denaney and A. H. Bloomfield.

Golden Campines were not so numerous, but there was a real good class again, with Mr. Patteson the leading winner. It will be well to keep an eye on this man. He is bound to succeed.

Anconas have been popular in this section for some years and here again there was a large and select display of this beautiful variety. The winners were exceptionally fine specimens.

Houdans were one of the show's surprises; in fact this variety has been

## EGG PRODUCERS—If you want eggs buy Fishel's White Ply. Rocks

### STANDARD LINE-BRED S. C. WHITE LEGHORNS

EXCLUSIVELY

#### I HAVE THE CHICAGO WINNERS

Which have swept the platter clean the last four years and have won more prizes than all other exhibitors combined. My most recent winnings were at the big Louisville, Ky., Dec. 23-28, 1912. The stronghold of the South, where I won. 1, 3, 4 cock; 1, 2, 3 hen; 1, 2, 3 cockerel; 1, 2, 5 pullet and 1 pen, in class of over 150 birds. The cream of the south. Every bird entered by me was placed.

#### DON'T BE MISLED

And get your start from a bought reputation, but buy from a specialist who can prove conclusively by his winnings that he breeds the birds himself and knows the art of doing it. The Iowa, Oklahoma and Pennsylvania State Departments of Agriculture and United States Department of Agriculture are among my customers. They know where to buy the best grade of stock for demonstration and experimental purposes. No salve goes with them. They want the goods. That's why they come here. I have plenty of cockerels, hens and pullets of the best quality I ever owned or saw. Write me your wants. Inclose 10 cents in stamps or coin for the original book of information on "Parkside Strain" of S. C. White Leghorns.



CHICAGO SENSATION—First Prize Pen Cock, Chicago, 1910. Pronounced by Judges the Finest Male Bird Ever Bred.

THE PARKSIDE POULTRY FARM, N. P. EASLING, PROP., BOX 40, PEKIN, ILL.

●●● LARGEST AND BEST SPECIALTY SINGLE COMB WHITE LEGHORN FARM IN THE WORLD ●●●



coming strong for the past few years. They are coming into their own and we feel certain that those breeding them have no cause to regret. They are great layers, quick to mature and among the best for the table, and they have a most attractive carriage and beauty. The class here numbered 64 birds of the best quality, with several well-known breeders exhibiting. The leading winners were: G. H. Springman, Dr. H. E. Dunne, Ridgway, Pa.; E. J. Baird, J. W. Kennedy, etc. The first cock was a well-known old winner we believe it impossible to beat, and first hen and first pullet, also two beauties shown at their best. A handsome and very valuable class.

In Cornish, Brahmas, Langshans, Cochins, Hamburgs, Polish, etc., the display was complete and in each of these many fine birds were seen.

Bantams were a large class and in ducks and geese the entry was strong and complete. The Runner and Moscovy ducks were extra fine.

The display of pigeons and pet stock and of eggs rounded up the exhibit, and like all others helped to make this a great and very complete show. Nothing was overlooked, the interests of the poultrymen were catered to, and all those who attended were well repaid, for no matter where their special interests lay they found them there and to their advantage.

Williamsport has done well. It has made its mark and won its place in line with our best shows, and as it well deserves its future is rosey indeed. They deserve the best the breeders can give them. H. P. Schwab.

#### BUYING STOCK.

By A. D. Freese, Mohawk Village, Ohio.

THE subject of buying stock for either fancy or utility purposes is, and will be of vital importance to all prospective buyers during the summer and early fall. Not in our experience have we known as unfavorable a season in which to hatch and raise chicks, especially the early ones. Thousands of prospective buyers and beginners were disappointed in their plans for getting out chicks this spring. All over the country we hear of poor hatches and poor business, hens

as a rule have very little inclination for early setting and unfavorable weather conditions have either disappointed or discouraged these would be buyers. As a result of all this the demand for mature stock will necessarily be sufficient if not far more than the supply, for good stock; considering these conditions as they exist and knowing from experience that this unusual demand will come, we wish to give a word of warning to beginners and some advice to all who would get what they pay for.

There are two items of importance to look at in this matter, one on the bright side and the other on the dark. While business with most breeders this spring has been slow and they have not been rushed with orders for eggs, the up-to-date breeder has been hatching and raising all the pure bred, high class stock they could possibly accommodate, thus taking advantage of the season, therefore they are going to be ready for the demand when it comes with some of the very best stock. This is one advantage. On the other hand, the fact that thousands have been disappointed in starting with eggs and chicks, will necessitate their buying mature stock for fall breeders and winter shows, thus creating a demand that will be hard to fill. Many dishonest breeders and "chicken peddlers" realizing this state of affairs will take the chance to "stuff" and "boodle" the orders in a dishonest, misleading advertisement and supply birds of inferior quality. Therefore we sound the warning, having been "stung" myself in the start I have a friendly feeling toward all who are affected by the "hen fever" and to these let me say be quick to take advantage of good offers on standard stock but be slow to place orders with unscrupulous unknown breeders. There are thousands of reliable men in the business who merit your patronage and will treat you right, but there are also many who will take your money though they have nothing to give you in return. Be careful. If you are just starting, go slow; we get our education by reading and writing, and in the poultry world reading is an important factor.

We have known instances where in different breeders (or peddlers as we had best call them) were carrying dis-

play ads in prominent publications advertising high grade stock, filling orders for such to rural purchasers and new beginners at fancy prices when in truth they did not raise a bird they sold, nor could not vouch for their quality. It is too bad we must be hindered by such fellows but such is the case. To be sure these fellows know a bird and in their trade they pick them up at low prices but as to their quality or breeding they know nothing, and as a result the purchasers are usually swindled in the end, and confound the breeders and the industry, but is it right that we who spend our time and money to breed good stock should be sufferers from this cause, when in truth we are doing all we can to conduct the business on honest principles and breed to the highest standard of perfection. Do you want what you buy or do you care to take the chances? If not, "don't be a sucker," heed the warning, and accept the advice of the experienced.

You have read the warning now for the advice.

If you are among the many who were disappointed in getting started early, don't worry. If you are careful use care and act promptly you can buy mature stock now and the earlier you decide to buy the better. Don't wait until the breeders get "culled out" but get in action now, as we said in the start we do not look for the supply to near go round, so the safest way to proceed is to get in correspondence with reliable breeders at once. Another point in your favor is, breeders in many cases will be crowded for room and before putting stock in winter quarters they will be compelled or forced to dispose of hundreds of birds at reasonable prices and the early buyers will get the preference and reap the profit by acting now.

Look well to your advertisers, don't spend time with the hit and miss advertiser, nor the cheap John, watch for the "stay there" advertiser in the reliable poultry journals, where advertisers and buyers are protected, patronize the year round, reliable, honest advertisers whom you believe to be honest and those who have proven their statements.

Choose the breed you are most inter-

## CARVER'S RED FARM, Seville, Ohio,

SEE AD ON NEXT TO LAST PAGE

# ORPINGTON FOWLS AND DUCKS



Winner at Grand Central Palace

## WINNERS at MADISON SQUARE and GRAND CENTRAL PALACE, N. Y.

My birds are all descendants from prize winners, and my recent "victories" at these two most prominent shows in America should convince you that I have "quality" that will please you.

ON 11 BIRDS SHOWN AT THE PALACE 10 WERE IN THE MONEY  
ON 14 BIRDS SHOWN AT THE GARDEN 7 WERE IN THE MONEY

These prize winners are all in my yards and are mated for the egg trade. Plenty of grand pens to select from. Superb matings, \$5.00 to \$15.00 per 15.

## BUFF ORPINGTON DUCKS

Madison Square winners. I won 1st pen, 2d young drake, 2d young duck. I have as fine a flock of these most wonderful layers and money makers as can be found anywhere. Having a flowing stream insures my duck eggs being fertile. Duck eggs only \$4 per 11. Write for prices on Baby chicks. Catalog and mating list free.

F. B. CRAWFORD

RAHWAY, NEW JERSEY



ested in, then watch the ads in this variety, and get in touch with them and when you are convinced you are safe to proceed lose no time, don't for a minute let cheap prices below good quality deceive you. Don't try to "Jew" a reliable breeder or any other breeder for you can't do it; those who will cut prices cut the quality, and the cheapest is always the dearest in the end.

As to the best breeds to buy I cannot advise you here for I do not know your fancy, your circumstances, nor your conditions. I am always willing, however, to answer any such inquiries from breeders or beginners who write me personally and all such matter will receive a reasonably prompt reply. My experience in the business with several different breeds at different times has taught me a great deal about the best breeds to keep and I am always ready and willing to impart to others what I have learned.

A great deal depends on the fancy of the purchaser as to the success he makes with the breed, while the kind, the condition and the breeding are among the vital points.

In starting, get the best you can, A good start makes a good finish.

As a friend, well wisher and sympathizer for all who have a friendly feeling for "better poultry and more of it," I welcome all inquiries anyone may care to address me, and at any time I may be of service to the poultry world you have but to call on me.

#### SEVEN POINTS OF ADDED POULTRY PROFITS.

By Sam Turner, Trenton, N. J.

**T**HE greatest profit in any business is attained by using every small particle to advantage. They state that at the Chicago Packing houses they consume every part of the hog but the squeal. We know the packers have made big money. It is possible for poultrymen to make big money.

On a little plot 80 feet by 200 feet I have a chicken house containing 100 White Wyandotte hens. The building stands in the middle of the lot, which is surrounded by a six-foot wire fence, and partitioned across the middle. The front half is in grass, and the back half I use for truck patch. In the winter the 100 birds are turned on the truck patch, and their droppings fertilize the ground. In the spring they are turned on the sod, and have excellent pickings, and prove a beautiful sight, and attract trade to my little plant. I plant the truck patch in early vegetables, and sweet corn. By July 1, a nice profit has

been made from my early vegetables, and the sweet corn has reached a height so that the birds cannot disturb it. The grass has been pretty well clipped off on the sod lot, so I turn the birds into the truck patch lot, and let them eat up the vines and other by-products of my early garden. The shade of the sweet corn protects them from the hot sun of July, August and September. They keep down the insects and weeds, and I get an excellent crop of sweet corn, which is a credit to any grower. The birds, however, are not run in the truck patch all the time, but are alternated between the truck, and the sod patch, so that the grass is kept clipped short, and all is worked to the very best possible advantage. I am getting full benefit from all my plant, a beautiful grass covered lawn in the front, and an attractive and profitable well fertilized truck patch in the rear. The birds have good picking, and variety, and give wonderful results, as the change keeps up their interest.

The sweet corn fodder is cured and chopped into short lengths which makes the best of litter for the winter, as it gives the birds more exercise when scratching and corn fodder makes better manure than straw.

The droppings from the roots are mixed with ash siftings, and are carefully stored away in dry quarters, and sold to good advantage to neighboring farmers for compost. It is far superior to any fertilizer, but if the droppings are thrown out in a heap and exposed to the weather the chemical action decreases the value of them greatly, and they are practically worthless. Besides by lying around they create vermin.

Every person keeping poultry should sift their coal ashes, and use fine siftings not only with their droppings, but they are the best dust bath possible for the birds. Get a store box, and put it in the corner of your house, and let the birds wallow in it. It will keep down vermin, and keep their feathers in excellent shape, and prove of great advantage.

Sufficient birds are raised each spring to keep up the flock. These are raised in the rear of the truck patch lot. The males are fattened and sold to market. In killing the blood is saved and mixed with the poultry feed, which we find adds relish to the food. The feathers are carefully spread out and dried and are sold to good advantage.

I have installed an Afton Farm Feed Mixer. These machines mix the feed much more thoroughly and therefore get a double value from it. A great advantage is also derived in the saving of time in mixing, and it is

possible for my sister to mix the feed, and care for the stock in my absence. It would be very hard and dirty work for her to attend to this were it not for my mixing machine.

In a corner of my lot is a small shed in which I keep one hog. I am careful to scrape all feed from the troughs twenty minutes after the birds have been fed, as having feed before chickens makes them lazy, and does not develop the best of results. I feed the scrappings to the hog. He also gets the refuse from our table. My lot, 80 by 200 feet, is paying an excellent profit. I know of no reason why every lover of farm life living in the suburbs should not be able to pick up several hundred dollars each year by conducting a like plant. The neighbors are always keen for buying eggs and dressed poultry from an attractive plant where they know the birds are fed clean feed in sanitary quarters, and the goods they purchase are fresh.

This plant is conducted as a side issue. It does not interfere with my business in the least. Of course, profit could be made without being quite as thorough as I am with my little plant, but I find it is most profitable to work everything to the best possible advantage. If my experience will benefit others, and assist in reducing the high-cost-of-living, I have done well by writing this article.

—O—  
**Open Air Poultry Houses for All Climates.** By Prince T. Woods, M. D., American Poultry Journal Pub. Co., Chicago, Ill.—Right in the line of progress, the same progress that is measured by organizations for prevention of cruelty to animals, gratifying humane sentiment while adding to pecuniary profits; and in line with the advance in sanitation generally, for man and beast, the new movement for fresh air for poultry stands conspicuous. Dr. Woods has been all along the acknowledged leader in this crusade, which has prevented disease in hosts of cases, and produced thrift and happiness for myriads of fowls and pecuniary gain for their owners. There is yet much room for the spread of the movement and this admirable book will vastly promote the splendid mission. It is handsomely bound, printed on elegant paper and forty-five pictures show styles of buildings and details of construction from start to finish, so that the reader can be prepared to construct a modern open air poultry house.

## EGG PRODUCERS—If you want eggs buy Fishel's White Ply. Rocks

A WONDERFUL WINNING AT CHICAGO 1912

### R. AND S. C. BLACK MINORCAS AND R. C. BROWN LEGHORNS

Six firsts, seven seconds, three thirds, one fourth and three fifths. We are offering 1,000 breeders and show birds from the above winners, birds that are showing wonderful type, color and vitality. No matter what you are wanting in the above we have it. Remember when you order from us you

are getting birds from the largest breeders of these three varieties in the world. Our forty breeding pens are now mated, containing all of our winners, and we can supply EGGS and DAY-OLD chicks in any number. We have a special proposition that we will be glad to offer every honest person interested in poultry, and in buying from us all the cash is not necessary. Mating list free. Our big catalogue and poultry book will be mailed for five red stamps. Mention American Poultry Journal.

**Edgemont Poultry Farm, W. O. Chase, Box, B Hillsboro, Illinois**





## Value of "Reputation" in Breeding

An Example of How "Reputation" Has Been Made and Kept for Years. *By Louis A. Stahmer*

THE value of "Reputation" as a business asset and the prestige it brings the holder, cannot be overestimated. Intangible though it may be measured by physical standards—nevertheless, it is a factor exerting a direct and potent influence upon the success or failure of any business or occupation, whatever its character or kind. Examples are plentiful where such "reputation" value is the greatest asset of the business.

There is no industry that offers more direct or more abundant returns upon a "reputation" investment than the poultry raising industry. It can easily be made a real, tangible, tremendous business asset. In both the breeding of "fancy" as well as highly productive "utility" stock—there are many factors and conditions involved that cannot be accurately traced to or determined in the product. In other words—aside from the most prominent characteristics—such as color, shape, etc., the only assurance the purchaser of eggs, chicks or mature fowls has of getting from any breeder exactly what he pays for, is the breeder's "reputation" for breeding fowls with valuable, standard characteristics, and then delivering stock that actually possess these distinctive characteristics.

There is open to every poultry breeder unlimited opportunities for deviation from the highest standards and most dependable breeding methods

—both in foundation stock as well as in breeding, mating, feeding, etc. When so disposed, a breeder can unquestionably so manipulate his operations as to make his product—in some one or more important features—actually inferior to what the purchaser understands he is securing. It is not to be at all understood by this that actual misrepresentation is practiced to any extent by breeders generally—either regarding their stock or breeding methods—although there is abundant reason to believe such misrepresentation is not altogether infrequent with many.

It is to be understood, however, that a breeder of poultry always has and always will have abundant chances to deliver his customers without detection, eggs or fowls that will not altogether come up to his direct representation. They may not be directly misrepresented but for all that they can in many ways be made inferior to the standards that the purchaser has a right to expect in the breed he is securing.

A breeder whose entire breeding methods and practices do not adhere in every particular to the highest and most approved standards, can not really deliver the highest "quality" the breed is capable of—no matter how great his sincerity, integrity or business morality may be. Breeding tells in poultry as in everything else.

The security of the poultry buyer, therefore, as to the quality of the stock he gets rests almost altogether upon the poultry breeder's "reputation" for delivering exactly what he represents. Unquestionably, a great majority of the poultry breeders throughout the country conduct their entire breeding operations upon a high plane of business honesty and morality. A notable example of such a breeder is Mr. F. A. Tecktonius, Route 7, Racine, Wisconsin, proprietor of the famous "Tecktonius Strain" of Single and Rose Comb Buff Leghorns.

Mr. Tecktonius' career as a poultry breeder has extended over a period of but nine years. Short as it is, compared to the career of others in the business, it has been extraordinarily fruitful in results that are without a parallel in the history of the poultry breeding industry. At the very commencement of his operations and almost at a bound, Mr. Tecktonius leaped into prominence as breeder through the unique, and original campaign he carried on for the purpose of satisfying himself definitely and conclusively what breed of fowls have the qualities that would make them meet the ideas and requirements of the greatest number of poultry raisers.

Instead of being influenced by the partisan claims of breeders of this or that fowl, or allowing his own fancy or prejudice to govern his choice, Mr. Tecktonius set right out "to be shown" and proceeded further to do his own demonstrating. Probably no more thorough, comprehensive series of experiments were ever undertaken along these lines by any breeder than those conducted by Mr. Tecktonius.

It is unquestionably true that no sim-

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## White Orpingtons

Young and old stock, full of quality. Reputable winners. Can satisfy in quality and price. Catalogue free. **F. S. Bullington, Box A, Richmond, Va.** Secretary-Treasurer American White Orpington Club

# WHITE ROCK CHAMPIONS

THE QUALITY KIND WON THIS HONOR at the TWO GREAT NEW YORK SHOWS, winning more points at these two shows on young birds than any OTHER FOUR EXHIBITORS, as follows:  
At Grand Central Palace, December 3 to 7, 1912, Cock, 1, 5; Hen, 3; Cockerel, 1, 2, 4; Pullet, 1, 2; Pen, 1; best display; medal for best pullet in the show, any variety.  
At Madison Square Garden, New York, December 31 to January 4, 1913, Cock 2d; Cockerel, 2, 5, 6; Pullet, 1st; the Graver Memorial Cup for best cockerel and pullet. Winning by far the most points on young birds at this show proves that my matings were right last season. A limited number of eggs, the quality kind, for sale this season.

L. C. BONFOEY

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BOX A

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## Norwich Automatic Exercisers and Feeders

Installed in all of your breeding pens this Winter, will keep your breeders hustling from morning till night, and will compel them to lay more eggs, and stronger eggs, eggs that will hatch more livable chicks than ever before. They will cut your feed bills at least 25 per cent, and reduce your labor bills to merely filling the hoppers once a week. "The chickens will do the rest." They are all sold on thirty days' free trial, by responsible dealers everywhere, or shipped direct from Toledo, Ohio. Write today for free booklet describing them, and the name of your nearest dealer. **Notice to Poultry Supply Dealers**—We still have some choice territory open, and would like to hear from wide-awake dealers. Exclusive sale given to the right parties. Address

**River Home Poultry Yards : 820 Monroe Street : Toledo, Ohio**  
BREEDERS OF EXHIBITION QUALITY "LIGHT BRAHMAS" EXCLUSIVELY



ilar investigation into, or experiments with, different breeds of poultry have ever been carried on in a more fair, unprejudiced and impartial spirit than those undertaken by Mr. Tecktonius. As these investigations and experiments were simply and solely to satisfy himself—alone—on this important point, he certainly cannot be accused of showing favoritism towards any one breed. To do so, would have defeated the very purpose for which they were undertaken. The evidence secured through these systematic investigations

and extended detailed experiments, pointed overwhelmingly to the "Buff Leghorns" as possessing the qualities that make them the most valuable "general purpose fowl" to breed and promote.

Having in the most convincing manner possible solved the perplexing question of the best fowl to base his operations upon, Mr. Tecktonius proceeded with characteristic energy and ability to prove to the poultry world that "Buff Leghorns" could and would live up to their trial "reputa-

tion" as winners both in show-room competition and in the market. The success that has crowned his efforts in making the "Tecktonius Strain" of Leghorns supreme as a combined fancy and utility fowl—as well as the honors that have been heaped upon him in the various governing poultry associations—demonstrates conclusively that Mr. Tecktonius' judgment is sound and unerring—his breeding methods scientific and correct, and his business representations honest and reliable.

The high "reputation" Mr. Tecktonius has established for the "Tecktonius Strain" of Buff Leghorns—the many hundreds of breeders who have adopted his successful methods and stock, and achieved corresponding success—could not have been secured—let alone maintained—on any other basis than demonstrating in his business transactions that he gave full represented value and that his "word was as good as his bond."

Mr. Tecktonius has found by actual and extended experience that his breeding stock and methods insure progeny that maintain the "Buff Leghorn" standard characteristics, reproducing themselves equally as well or better than the parent stock. He knows, just as certainly, that his breeding stock and methods produces hatching eggs running almost perfect in fertility, averaging over 97 per cent; that they also insure hatching chicks that possess the vigor and stamina to carry them over the critical brooding period with a surprisingly small percentage of loss—averaging less than 2 per cent year in and year out. It is generally understood that the average hatching and brooding losses with all breeds and breeders are vastly larger than this low average of Mr. Tecktonius. This exceptional "vitality" record of the "Tecktonious Strain" testifies to the tremendous vigor of his breeding methods.

Mr. Tecktonius is not alone satisfied to know that he supplies his customers with eggs and stock that fulfill his every representation, but backs them up in every case with a clean-cut, broad guarantee. This guarantee positively makes good any unfertile eggs received from him, as well as a refund of the purchase price of any stock proving in any way unsatisfactory to the buyer.

Mr. Tecktonius—knowing that his strain of "Buff Leghorns" will live up to their reputation as world beaters in the poultry shows and as egg producers—does not hesitate to go the limit towards securing and holding the confidence of the poultry buying public, by honest representation of his stock and delivering what he represents.

The commanding position and high "reputation" Mr. Tecktonius has attained in the poultry breeding industry verifies the contention we make herein that a "reputation" for breeding merit, business, integrity and honesty, can be made an asset of definite value in the poultry business—one that carries with it increasing honors, as well as returns directly reducible to a money basis.

If Mr. Tecktonius' successful career is a criterion—and we certainly believe it is—it surely pays to have a "reputation" in breeding poultry. We would, therefore, advise poultrymen aspiring to the highest achievements to his chosen business to first investigate Mr. Tecktonius' breeding and business methods and then proceed to get a similar "reputation" for himself.

## BARRED PLYMOUTH ROCKS

Bred for business and show-room requirements. If you are interested in a heavy laying strain with exhibition quality write me for show record and prices on such as you need. Get my 1912 mating sheet if you need eggs for hatching.

O. L. KING, : ROCKFORD, ILLINOIS

## BABY CHICKS--CRYSTAL WHITE STRAIN

The better bred chicks. Strong, healthy stock bred for heavy egg production. Breeding stock averaging over 215 eggs each. Prize cock S. C. Leghorns, \$15 to \$20 per 100 chicks. Safe arrival and satisfaction guaranteed. Place order now.

Crystal Hatchery, Box A. Frenchtown, New Jersey

## MUNTZ'S S. C. W. LEGHORNS

Winners this year at Chicago, Springfield and Elgin. Choice breeding cockerels sired my second prize cock bird Chicago; also have a few fine exhibition cockerels to spare. Pullets and yearling hens from utility to the best show specimens. I make a specialty of breeding pens mated for best results in breeding. My mating list will be ready about March 1st, write for one. I guarantee satisfaction and my prices are right.

HARRY A. MUNTZ - 565 SPRING STREET - ELGIN, ILLINOIS

## HOLTZAPPLE'S S. C. REDS

BABY CHICKS 100 PULLETS FOR SALE

Have won at Cleveland, Columbus, Toledo and Fort Wayne for years. Latest winnings at Toledo—1st, 2d and 3d hen; 2d cock; 4th and 5th pen. Seven splendid pens mated, all containing prize winners. Eggs from pens, \$3 and \$5 per 15, chicks, 50c and 75c each. Utility eggs, \$6 per 100, chicks, 15c each. Send for catalog

OSCAR HOLTZAPPLE -- BOX 48 -- ELIDA, OHIO

## S. C. WHITE ORPINGTONS

Winners at Erie, Butler, Meadville and Pittsburg, Pa. A few trios and pens to spare. Eggs after March 1st from matings that will produce stock fit to win in any competition, \$4 per 15. Chicks from same matings, \$6 per 12. Eggs from good laying stock, \$1.50 per 15. Chicks from same matings, \$2.25 per 12. Place your order now to insure prompt delivery. Mention American Poultry Journal when writing.

L. A. Glessman : Box A : Conneautville, Pennsylvania

## Cleveland's Buff Orpingtons

Win at the great Chicago Coliseum Show in one of the largest and strongest classes ever shown—third cockerel, third and fourth pullets and fourth young pen. Send for mating list, describing pens mated and giving prices of stock and eggs. Mention A. P. J. when writing.

Frank C. Cleveland :: Morgan Park, Illinois  
THIRTEEN MILES FROM CHICAGO ON R. I. SUBURBAN

You can enjoy the great pleasure of having large white eggs during the entire year and winning gold and silver specials if you breed

### Pape's Champion Strain Single Comb Black Minorcas

Am offering utility and fancy exhibition stock in yearling and 1912 hatched birds at attractive prices. Get one of our utility cockerels to improve your flock. Our 1912 catalogue is free. It contains list of winnings and describes our matings. One customer reports having raised two \$50 and six \$25 value birds from one setting of our eggs for hatching last season. All stock sold on approval. Note our New Orleans winnings published on another page. State what you have in mind. When writing mention A. P. J.

Charles G. Pape, Box B74, Fort Wayne, Indiana



## PALMER'S WHITE ROCKS

Win silver cup for the best male bird in the entire show, Rochester, 1912-13; also best display; winning first cock, first, third and fifth cockerel, first and second hen, third, fourth and fifth pullet and fourth pen. Years of selection has made them layers as well as winners. Cockerels, hens and pullets for sale. Mention A. P. J. when writing.

"The Glen" Poultry Farm, Box A, Fairport, New York



# The "Ontario" Poultry Show

Canada's Greatest Show Held December 9 to '14, 1912.

By H. P. Schwab

**A**NOTHER great show has passed into history and Canada and the Canadian breeders can well feel proud of their efforts and success, with over 5,000 birds on display drawn from every section of the Dominion, with great classes of wonderful quality the honors were fiercely contested and were all well won as our limited time would permit us to see.

Canada's best breeders were there; it is an annual round up of the upper class in poultrydom, and with the great hall filled as never before we must say it was a great success. The breeders there are at it the year round and when this show comes they are prepared for it and ready to make the try of their lives for the records which mean so much to them. Beside the show there are special meetings and lectures daily which all tend to make this a week valuable to all breeders large and small alike.

The display of dressed poultry is also a feature here and receives much special attention.

In Barred Rocks, the largest and by far the best class we have ever seen in Canada faced us, there were no fillers and the feature of the class was the even and high grade quality all through. The cocks were a great lot, well shown and as a rule very strong birds. First a corking good one, well built and of the best of style, it took close picking to select the winners. Hens, while more rare ones were not in the best of feather, there were enough good ones to satisfy any desire for quality. The cockerel class was a hummer with sixty-seven quality birds in line. First a rich and rare beauty, grandly shown and of a beautiful shade of color and the best of barring. Second great in color, but not quite filled out, will make a beauty. Pullets, a very rich line from first to last. The first pullet is the best female we have seen in Canada, her quality was simply wonderful with excellent shape; second, another of the best with grand barring; others up close.

Mr. John Pringle, London, Ont., First cock. First hen. Second, cockerel and first pullet with several other mentions. Charles Hall, Trafalgar, Ont., owned the winning cockerel, in fact had five cockerels placed in the ten awards. We wish we had the names of other winners for we would like to give several credit, but as they have no catalogues there, we must omit them.

White Rocks as usual were very strong there in all classes; it took the very best to win and several of the best awards went to J. L. Brown, Seaford, Ont., and F. A. Andrewes, London, Ont.

Buff Rocks are another favorite there and we were told that Mr. John Bawden, Ridgerton, Ont., was the leading winner. Mr. Bawden has made records there for years.

Partridge Rocks numbered about 50 birds and many fine ones were handled in these classes.

White Wyandottes were the large class of the show with about 200 birds, there were 95 cockerels and in these Mr. Joseph Russell of Toronto came out

best, with Mr. Pringle and others showing strong.

The Rhode Island Reds were great classes and in the Single combs the running was great. Mr. Pringle winning first cockerel on a beauty in form and sound color.

The class of Rose Comb Black Minorcas was the best we have seen to date, very rich in color and of grand type and nice heads. In these Mr. Ross Swartout, Newport, Ont., won second and third cocks. Hens—first, second and third. Cockerels—first, second and third. Pullets—first, second and third. This is a win to think over.

The Single Combs were also a rich lot that was good to see and we regret not having the winners, for our stay there was for but two days with a lot of work to do.

There we met our old friend, Mr. T. A. Faulds, London, Ont., the well known breeder of S. C. Black Minorcas. He was not showing this year, having sold birds all over the world for exhibition,

but we expect to again find him at some of our big shows over here as he is a regular patron. When we last saw him in this country, it was at the Philadelphia show and club meeting where he won a load of cups and all the money he could carry away with him.

The Orpingtons were all beauty classes and J. W. Clark as usual carried his smile and won well in the Buffs.

The Leghorns in White and Browns were very strong and many birds of great merit were seen. The class of Blacks was the best we have ever seen at any show.

Dorkings, Hamburgs and Polish are favorites here and always are among the strongest classes.

The usual good management prevailed with Mr. Jack Saunders in charge. He is one of the good old timers and has made his success here for many years. Wm. McNeil, the sage of London, and the man that all fanciers there look to, was there as usual with a smile and pleasant word for all. Billy looks better than for years, and besides did a lot of judging. Prof. W. R. Graham found his main interest in the display of dressed poultry, and we regretted not having more time to give to him, for we value his opinions highly. H. P. Schwab.

## BAWDEN'S BUFF ROCKS

The most consistent prize winners and the best producing strain in the world. No more stock for sale this season. After February 1st, eggs, a limited number, \$10.00 per fifteen.

John Bawden --: Box 20 --: Ridgerton, Ontario, Canada

Birds Like This Produce

# Newtown

## White Leghorn Chicks

### And Eggs For Hatching

The Newtown Strain of White Leghorns is of the prize-winning kind—high class, line bred and famed for its egg-laying qualities.

Baby chicks hatched from eggs of such birds must be heavy, livable and profitable. The blood does tell.

Hundreds of buyers come back every year for more Newtown Chicks, because they please and prove profitable to them.

Newtown Chicks are safely shipped 2000 miles in large, roomy wooden boxes and arrive lively and healthy. That's sufficient proof of their inherent strength and vitality.

If you want select chicks or fertile eggs from a stock of assured quality, order Newtown Chicks or Newtown Eggs.

Send now for price list and Poultry Catalog Q.

**NEWTOWN PRODUCING CO., Newtown, Pa.**





# Grand Central Palace N. Y. Show

Held December 3-7, 1912—A Magnificent Display  
of All Leading Varieties.

By H. P. Schwab

**W**ITH MANY expectations we headed for old New York to attend the Palace New York Show. We had heard of their great entry and of the prominent exhibition and we well knew the caliber of the Palace officers to make good. They have given feature shows before and with the experience gained we were sure of a whole-souled poultryman's feast. Rest assured there were no disappointments, the entire display was up to expectations. It was quality in every coop, with arrangements perfect and all that came evidently happy over personal and general results.

The attendance was very good, we believe nearly double that over last year, and the breeders as well as the display people reported a very satisfactory business. Buyers for winning poultry were rather thick on two days and many birds changed hands at good prices.

Pigeons, while not as large an entry as last year, were a complete display with the select on display and showing to advantage. Supt. Harcombe is a past master with doves of all kinds, and had all in excellent exhibition order and devoted all his time to his charges.

President Robt. Seaman had his desk set in the hall, where he personally gave attention to all details and wants of the exhibition and public. This arrangement proved a feature well worth the notice of all others. Secretary L. D. Howell, the easy-going, quiet man, is

an ideal officer who has the general run in hand and to whom every possible credit is due. He is full of consideration for all and in his year of service has made a record in which his friends justly glory.

As to the birds exhibited, the classes were uniformly well filled with some of record breaking entries. The general quality was very good, and in each class was found some phenomenal birds. All considered it was a great show, a real beauty whose value to the industry is far greater than we are able to appreciate. The poultrymen owe much to the Empire Poultry Association for their efforts to us all.

The banquet was the particular social feature of the week and was enjoyed by about fifty lady exhibitors and a hundred of the sterner sex. President R. V. Hicks, of the A. P. A., was toastmaster, with Mr. John Robinson, Link Orr, Secretary Campbell, Professor Rich, L. D. Howell, and many others as speakers. Here also was mentioned for next president of the A. P. A. Mr. E. B. Thompson, Amenia, N. Y. Mr. Thompson's name was received with general approval by all. The feeling runs strong for a real breeder for president, and in Mr. Thompson we have a leader in this line as well as a man capable and that would prove a credit to the grand old association of which he has been a member for over 25 years.

Barred Rocks brought out 100 birds,

an even good lot all through that were well shown. Top Notch Farm, Water Mill, N. Y., with Mr. Henry Cundall in charge, won first and second cocks, third and fifth hens, third cockerel and first and fourths pens. The first cock was a strong bird of superior color and barring with nice head and beautiful type. The winning pen grandly mated, very even and of the best of quality. In the male of their fourth pen they have a youngster of striking appearance and the best of quality. He was not just ready at this show. This farm has been showing well for some years and comes back each year with improved birds and always properly shown.

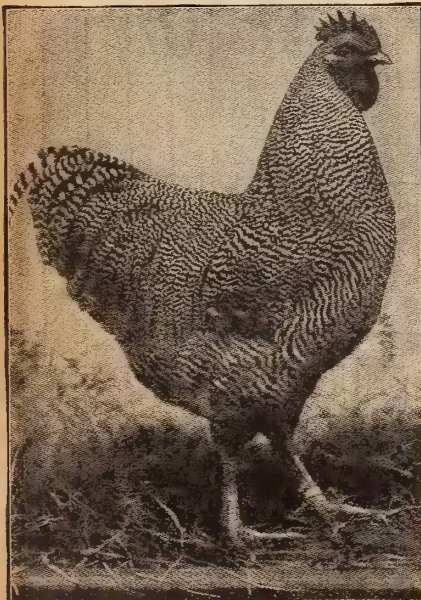
Brooklandwood Farm won first hen with a rare beauty, in good feather and of splendid shape, they also won first cockerel and fifth pen.

First pullet, and with it color special female went to a pullet shown by Mr. John D. G. Gennerich, Mt. Vernon, N. Y.; she was the gem of the class, of wonderful color and the best of barring, under extra and of grand style and condition. We thought her as good as we had ever seen so early in the season. Mr. Gennerich also won second pen.

Both Jonas Hayner and Frank D. Ham, of Livingston, N. Y., were exhibiting here and both won a share of the honors, as usual. These two old stand-bys have been winning since the year one, and no show at New York would be complete without them. They have good reliable stock and are always there when the bell rings.

Fifth pullet, shown by A. J. Clark, New Haven, Conn., is a bird of promise, with the best of color and grand barring. We thought she should have been placed higher up with her shape and markings.

## Pittsfield Barred Rocks Win Again —Order Day-old Chicks and Eggs Now



SECOND PRIZE COCKEREL, BOSTON 1911

Pittsfield Strain Barred Rocks again scored over all competition at Boston, the biggest show in the east. We took 6 regular and 11 specials—more prizes than any other exhibitor. We won Best Color Male—the third time in three years that we have won this greatest prize for male birds—Best four Cockerels, Best Cockerel and four Pullets, Best Cock and four Hens. These are the prizes that count when you want to keep your poultry up to standard. What Pittsfield Strain does for us, it has a record of doing for those who buy it. Now is the time to book your order for Pittsfield Day-old Chicks and Hatching Eggs. Orders booked free. Send no money until just before shipment. We ship anywhere—any distance—and guarantee safe delivery. 3000 miles successful shipments of chicks. Eggs clear across the continent. So there is no real reason for not having Pittsfield Strain. Pittsfield Hatching Eggs are laid the same day they are shipped. Give better hatches, stronger chicks. You can learn more about this stock by sending for

## Money Making Poultry

Get this great, free, helpful poultry book. New edition, new illustrations, new facts along with the old truths. Explains our feeding system and tells you how to adapt our simple methods to your own profit. If you want the latest word in poultry handling, you want this book.

## \$225 in Prizes to be Given Away

Our great "First Eggs" contest has begun. Costs nothing to enter. See how early Pittsfield Pullets will lay for you. Five classes for early laying pullets raised from (1) Breeding Pen, (2) Day-old Chicks, (3) Hatching Eggs, (4) 8-week-old Chicks, and (5) from pullet bred to cock or cockerel purchased of us. In case of tie the prizes will be divided equally among the winners. Contest closes Dec. 1, 1913. Let us supply you with stock so you can get Pittsfield blood in your own line of poultry. Our stock is actually finer than ever before. Remember this—we always give better values than you expect. Write us about your needs—Day-old chicks, Hatching Eggs, 8-week-old Chicks. Utility and Exhibition stock. Quality always high. Prices low. Don't wait till the last moment, but find out about our new plan of grading our birds so you can virtually select in advance the stock you want.

**PITTSFIELD POULTRY FARM CO.**  
102 Main St., Pittsfield, Maine





White Rocks were represented by 115 birds and formed one of the show's best classes in quality and condition. Here, Mr. L. C. Bonfoey, Vernon, Conn., made a hit by winning first and fifth cocks, first, second and fourth cockerels, first and second pullets and first pen. The winning cockerel was a hummer, shown at his best and with typical shape, nice head, etc. First pullet, one of the very best, and shown in grand condition. The winning pen, a wonder in mating with four excellent females and a coking strong male. A grand line exhibit.

Peapack Farm, Peapack, N. J., won second cock, first hen and third pullet. This line was not just ready, excepting the hen; she, at her best, is one hard to beat in any show.

In this class good and strong birds were shown by the Twyacana Farm, S. P. Green, H. L. Freeman and others.

The Monmouth Park Stock Farm, Oceanport, N. J., won well in Buff and Partridge Rocks, with a ribbon in every bird shown and first pen in both varieties. These were nice classes and birds of extra quality.

White Wyandottes proved to be one of the largest classes, with 106 birds in line, shown by several well known exhibitors, the quality was very fine and condition of the best. The feature in this great class to our mind were the pens shown by Onlya Farm, Florham Park, N. J.; they won first and third pens, both of the very best in type and condition and in mating. These males were in a class by themselves and stand out in form, just what the best in Wyandotte form should be.

Black Wyandottes were out in force, and several grand birds were found. They are improving well in quality and popularity.

Columbia and S. P. Wyandottes were numerous and as a rule birds of merit; the S. P. particularly strong.

Columbian Plymouth Rocks were one of the best classes we have seen of this variety, there was exceptional quality shown and high average all through.

That the Rhode Island Reds are improving in general quality was very evident here, also that they are gaining in popular favor and it is plain to see that they are a variety with a future. The breeders have shown the way, shown what is possible in them, and this showing is enough to assure all of their worth as a standard bred money making variety. In the Single Combs, 122 birds were shown here that for general quality and evenness was good to see. Judge R. V. Hicks proved the master of all and placed the awards properly and received much praise, all of which he richly deserved; it was a splendid job. All five of the winning cocks were rich birds, with type and sound color. The cockerels placed were an exceptionally fine lot as were also the females. The judge had plenty to pick from. First cock and first cockerel went to Dearborn and Sharp, Blairstown, N. J.; they were also winners at Allentown. Second cock, first hen and first pen to Philip and Hermance, Hudson, N. Y. Maplecroft Farms, Pawling, N. Y., won first pullet, fifth cock, second hen, third and fifth cockerels, and second pens. Females shown by Ellis S. Shelly, Williamsburg, Pa., were a little young, but birds of great promise.

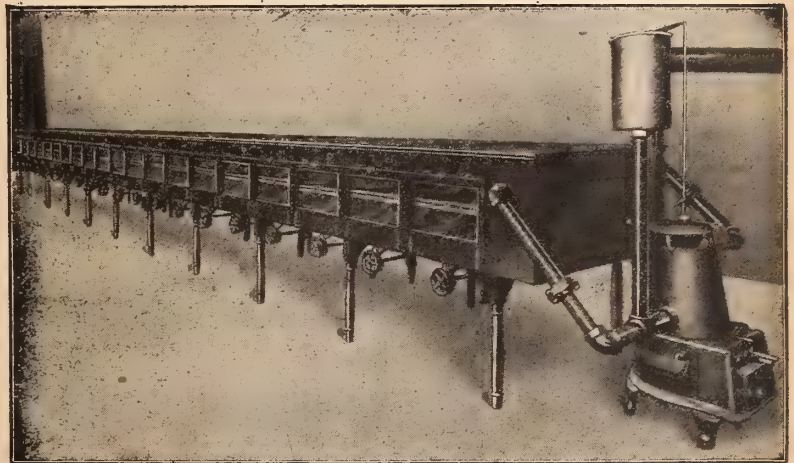
In the Rose Comb Reds, 142 birds were seen, with J. A. Scott, S. B. Heaton, Jenkins & Park, G. W. Little, F. L.

Poultry Farm, A. L. Bailey, Annesley M. Anderson, E. M. Dutton and others as winners. The F. L. Poultry Farm, Verona, Pa., won with other prizes, first hen, that for even quality and the best of color is a wonder. Mr. Ober has every reason to feel proud of that hen and others of his line. First pen and first pullet went to E. M. Dutton, Newfane, N. Y., who for some years now has made grand winnings at several shows.

In the Orpington classes it was a battle royal with honors enough for all. In Buffs, the Sunswick Farms, South Plainfield, N. J., won second and third

hens, second cockerel and fourth and fifth pullets. This line has been in the winning all season and made the best of records at Allentown, Atlanta, etc., and at this time were preparing three strings for other great shows.

Dunrobin Farm, Red Bank, N. J., did well in winning third cock, first cockerel, third pullet and fifth pen in buff. Their winning cockerel was a wonder in type and of the best of color. In White Orpingtons they won third and fourth cocks, first and fourth hens, first cockerel and first, second and third pullets. These farms also make a specialty of the Buff Orpington ducks, and here won



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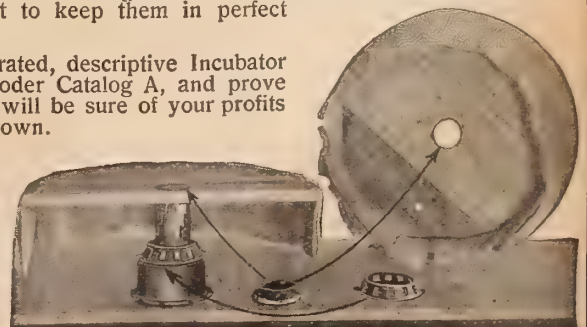
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all four first prizes from quality classes. This farm from the first has been a leader and has won its share at our best shows.

The Joe-Pye Orpington Farm, South Norwalk, Conn., specialists in Buff Orpingtons, made close to a sweep, winning the best display and other specials. Their regular winnings are, first, second and fourth cocks, first hen, third cockerel and first pen; they also won shape special and cup for best Orpington shown. In their first pen was the famous old champion male that has won several firsts at the Garden N. Y. show, Boston, etc.; an undefeated fellow of true type and of the best of sound color. This line has done well in the past, but with the quality shown this year we can well predict more for the future.

Miss Henrietta E. Hooker, South Hadley, Mass., won special for best headed male bird. Miss Hooker has been a consistent winner in the past and her line will again be heard from.

The Ingleside Poultry Yards, Flushing, L. I., New York, also won well, being placed in all but one class; these birds were not at their best in feather here, but when in condition will have to be considered.

The Dune Alpine farms, East Hampton, N. Y., made a record with their White Orpingtons and S. C. White Leghorns that will stand long to their credit. It takes quality to win in these classes at the Palace, for they are among the largest and best there. Their winnings in White Orpingtons were first and second cocks, second and third hens, fourth cockerel, fourth and fifth pullets and first pen. In the S. C. White Leghorns, in a class of 115 birds, they

virtually made a clean up by winning first, second, third, fourth, sixth and seventh cocks; first, second, third, fourth, fifth and sixth hens; first, second, third, fourth and fifth cockerels; first, second, third, fifth and sixth pullets; second, third and fourth pens and all specials, including several silver cups, medals, etc., with shape and color specials included. A better record has never been made at this show, and they had the goods and well deserved all they won. We congratulate Mr. McAlpine and Manager Geo. Kerr.

A grand class of quality Black Langshans was seen. The Top Notch Farm, Water Mill, N. Y., winning first and fourth cockerels and fourth pullet, the winning cockerel a beauty in style and finish.

A new exhibitor from the South, Mr. W. F. Presgrave, Salisbury, Md., sent in a sample of his Black Langshans and won second and third cockerels, and third pullet. Mr. Presgrave has been winning this season at Hagerstown and other shows and we hope next time will come with his full strength and make this one of the leading classes of the show.

Rose Comb Brown Leghorns were a good class, shown well and of fine head points. The Gale Poultry Place, Hamden, Conn., winning all firsts and several other places.

S. C. Buff Leghorns showed unusual quality, and Judge Punderford had some very close picking here. Fine work is his hobby and the tinkling of bells has no terror for him; he did well and we like to comment such work. W. E. Lindorff, Flushing, L. I., N. Y., won second cock, second and third hens,

first and third cockerels, first and third pullets and first pen.

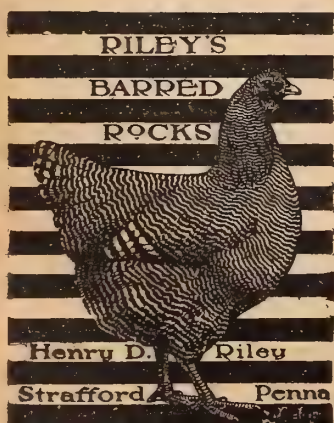
The Royal Farms, Little Silver, N. J., came up close with first and fourth cocks, first hen, fifth cockerel and fourth pullet.

Silver Campines were out in force with over fifty birds in line, they are coming good, showing particularly strong in size and type and in improved color and markings. The Manhattan Farms, Brighton, N. Y., have been cleaning up at about all the shows from early fall on, and this was no exception to their rule to win. Mr. Parkman, the manager, has got the habit and promises to hang on, for they surely have the goods. We hope soon to visit these farms and to tell our readers all of the wonderful line with their winnings made. Here they won first and third cocks, third and fifth hens, first and second cockerels, first, second and fifth pullets and second pen. In Golden Campines they won all prizes competed for.

The Elm Poultry Yards, Hartford, Conn., made entry of their several varieties and won well in Brahmas, Cochins, Langshans, Leghorns, etc. In the S. C. White Leghorns they won first pen and the male also won several specials, including medal for best bird in the entire show. This pen was a beauty in mating and evenness of highest quality, and the male, one of the best ever seen. For several years these yards, with Mr. Groesbeck as owner and manager, have been winning at our great shows, including M. S. Garden, N. Y., Boston, Chicago, Pittsburgh, Philadelphia, Baltimore, and other exhibits of worth. If you have wants of

## RILEY'S BARRED PLYMOUTH ROCKS

### ANOTHER GRAND TRIUMPH AT AMERICA'S GREATEST SHOW



Whenever you see the "Bars" think of Riley's Rocks—Barred of course

## MADISON SQUARE GARDEN

For three years in succession Riley's Barred Rocks have made history at this great show and have proved by their winnings to be America's most consistent winning strain. My winnings this year were 6th cockerel, 5th hen, 3d cockerel and 4th and 5th pullet.

My greatest triumphs have been in the winnings of my customers. From one end of the country to the other it has been a succession of "Riley Strain" victories. There is a reason for this. I sell you the very best that I have got, and Riley's "Best" means the best in the world. My pens this year will be the finest that I have ever mated up,

and will be headed by a wonderful collection of males who have proved their worth as sires. Send for my mating list and see how I have helped my customers to win. Ready to mail about February 15th. I have a grand lot of Cockerels, either mating, for sale at rock bottom prices. Write me.

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any kind in the poultry line, Mr. Groesbeck can help you get it.

In Houdans, Polish and Hamburgs, the entry was good and many fine birds seen. Exhibition Games were a very large class, full of quality.

Ducks numbered just 100 entries, with the Indian Runners the largest class shown, followed by the Pekins. A nice lot of Turkeys and Geese completed the exhibit.

Bantams numbered nearly 400 entries and were a rich lot. The Game varieties showing well and the Cochins, Seabright, and others showing in strong classes.

Pigeons numbered close to one thousand birds and formed one of the best quality displays we have ever seen, the classes were well filled and the quality was there to satisfy all.

The Cats also had their days at the Palace show, and if we remember right, the entry was over double that of last year and with many noted cats in line.

The exhibit drew birds from far and

near and there also, we met many of our best known breeders and fanciers, most of them as exhibitors and some as visitors who came to see. Among these Mr. Frank J. Eppele, E. B. Thompson, E. L. Miles, Wm. Ellery Bright, Chas. H. Welles, John W. Poley, Fred Huyler, F. G. Bean, H. D. Riley, Wm. H. Moore, Lee Springs, etc.

We believe it was the general opinion that the judges gave satisfaction. There was but very little to find fault with and the exhibition seemed to feel that all had done their best. Mr. W. B. Atherton surely handled the Wyandottes in a masterful manner, as did R. V. Hicks the Reds and J. Harry Wolsiefer his classes. J. Courtney Punderford has worked there before and all know of his ability.

All that can be said of credit to the management we would wish to say right here. They have made a wonderful success of the Palace show, and they well deserve all the fancy can give them.

of the exhibitors were well known breeders with national records made. They come here year after year for benefits derived, for they know the value of a win at this show, and that here is always an opportunity to do business. A hundred or more good sales were reported at the show, and one party writes us he has received over 30 inquiries to date (December 27) from his exhibit at the Philadelphia show.

Club meetings and visiting breeders were a feature. The "Big Fellows" were gladly met and received. Lester Tompkins, D. Lincoln Orr, Dr. Beckett and others were well received. Annual meetings were held by the following clubs: National Columbian Wyandotte Club, American Columbian Plymouth Rock Club, American Light Brahma Club, the Hamburg Fanciers Club and the S. C. Brown Leghorn Club. The Wyandotte Club held a session lasting over seven hours, with the special subject being a new standard for the breed. They need it.

The show management was all one could desire, for experience has been a good teacher here. All arrangements were perfect and from beginning to end not a whisper or word of discontent was heard. To President Henry D. Riley, Vice-President F. E. Gilbert, Treasurer C. C. Kempton, Secretary W. H. Moore, Superintendent Ed S. Hickman and to the executive committee every consideration is due, for their gallant efforts have made possible this great exhibition. If proper we would also wish to compliment the judges for their work, for Mr. Riley told us that not a word of protest or an objection of any kind had been registered against a single award made. Harmony was the word, with good feeling among all.

On Friday night Dec. 13, 1912, the National Association of the "Flea" was organized at a special banquet. We hope in an early issue to give all details regarding this association, suffice now to say its object is "charity," and with Mr. Henry D. Riley elected treasurer. The initiation fee is \$1 and all poultrymen will be asked to join this most worthy object. It was founded on "Fun," and good times are assured at all meetings, which will be held at all prominent shows, but the aim is high, "To aid a brother and his family when in need." Everybody wants to be it—a Flea.

#### The Breeders and Their Birds.

In Barred Rock alley there was a lively tussle for honors with the birds from

## Philadelphia's Great Poultry Show

Seventh Annual Exhibition|Held December 10 to 14—Better Than Ever. *By H. P. Schwab.*

THE Philadelphia Poultry, Pigeon and Uet Stock Association has held its seventh annual exhibition, and judging from a fancier's viewpoint as well as from a practical point, it was without question the best and most successful exhibition ever held in Philadelphia, and of as great value to the industry as any ever held at any place we know of.

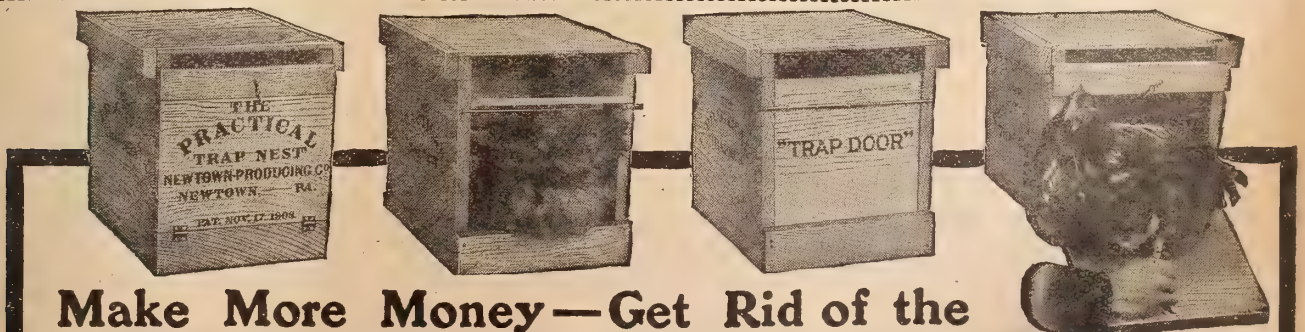
The First Regiment Armory is a grand large building with good light and very centrally located, which assured a surprising attendance. People in regular droves found their way down Broad street, but three blocks from the City Hall, whose tower with William Penn on top reaches something like 500 feet towards the sky, to the Armory, where the crowing and cackling was music to the ear. Poultry show week is a yearly event in Philadelphia, for it is just about the center of the greatest poultry section on earth, and I dare say that within a circle of 100 miles of the city there are more than five times the number of chickens and ten times the amount of money invested in poultry than in any other similar space in the whole world.

We have referred to this show's value

from a fancier's and practical viewpoint, for here the fancier feasted his eyes on a complete display, classes of all standard varieties, and in each quality of the best. It is rarely we see such uniformly high grade quality throughout the entire show. Every class was teeming with birds of the very best sort, and those attending could see and enjoy the best products of our very best breeders and lines.

The commercial poultryman also found much to his special interest here in the very large display in eggs as well as in the special displays of practical poultry shown, but if he would conserve his every interest the sooner he gets right into quality breeding the better for him. Breed to standard, breed for a purpose, and with high grade standard breeding the commercial end will be best served in all-around superior grade and quality with uniformity, and the highest prices assured for eggs and dressed poultry.

There were just about 3,000 specimens shown, all included. The classes were well balanced and uniform. Competition was of the best in all, and the value of a win at Philadelphia is a guarantee of absolute quality every time. Over half



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several well-known breeders' yards. It was a very strong class and with but few birds not at their best condition, the female classes and pens being extra good. Mr. S. M. Goucher, Moorestown, N. J., won first exhibition pen, seventh cock and cockerel and fourth pullet with specials. The pen was a beauty in quality and matting and headed by the best Barred Rock cockerel at the show, a very bright clean fellow with the best of type and barring.

Mr. C. N. Myers, Hanover, Pa., whose specialty is the female line and who has prominently won for some years, made another record here that is to his credit, winning first, second and eighth hens, third, fifth, sixth and eighth pullets, first, third and fourth pullet bred males and specials, including special for best hen in the show with his first prize hen. This was the best hen we have seen out this season. She has wonderful shape and the best possible style of barring.

First pullet went to Mr. Robert J. Walden, Middleburg, Md. He also made

a specialty of the female line and this year has been a large winner at Williamsport, Hagerstown, etc. Besides pullet he won mention in every class shown. The pullet is a dandy, with grand color and the best of barring, being very clean under. She is of his own breeding and we feel like congratulating men that can breed that kind.

The Eastern Ideal Farm, Norristown, Pa., entered but a few Rocks and we believe again split their string, showing rather young birds here. In cockerels they won fifth, sixth and eighth on young birds that give every promise of future greatness, but they must be matured and finished to stand well here.

Other winners were Minch Bros., first cockerel; Yale Bartholomew, second cockerel and first cockerel mating pen. There were 112 Barred Rocks shown all told.

White Rocks numbered 90 birds and was a class full of exceptional merit. Condition was very evident here in about every bird. Mr. C. F. Webster, Girard, Pa., made his second big win of the sea-

son here by taking first and fifth cocks, first hen, fifth cockerel and third pen. The first cock won the general special for best cock bird at the show, a sweepstake prize of greatest merit.

The Koons Farm, Trichlers, Pa., another of our best known breeders of White Rocks, won second and fifth cocks, second and fifth hens, first cockerel and first pullet. This pullet also won the sweepstake special for best pullet at the show. This line showed very strong in type and color, and it is evident Mr. Koons has a line of highest merit and value. He was not rooting for the Giants here, but as usual was full of good will for all. He is a man well met at all times.

Mr. A. L. Russell, Washington, N. J., won second pen on a very rich and well-mated pen of high quality.

In Buff Rocks Mr. Ed H. Lichtenwalter, Girard, Pa., won four of a possible five first prizes. Nuff said. He has the habit and does these things just about as often as he likes.

In Columbian Rocks and in a class of fifth birds Mr. Frank G. Bean, Collegeville, Pa., again cleaned up by winning first, second and fourth cocks; first, second, third and fourth pullets; second, third and fourth cockerels; first, third and fourth pullets, and first and second pens, with all excepting one special prize. Mr. Bean is out to beat his record of last year, when he won 85 of a possible 88 first prizes. He has better birds than ever, and it is a satisfaction to note the progress he has made with this variety.

Col. Louis Paul Graham, Collingswood, N. J., was a competitor here and won second pullet and special for best wing. We hope the colonel will keep it and to have the pleasure of handling more of his birds in the future. He has made a good beginning.

Silver Wyandottes numbered close to 60 birds, with many very beautiful specimens shown, first cockerel going to M. H. Leidy on a very valuable bird, well shown.

White Wyandottes were not quite as strong as usual, but were of the best possible grade, the 90 birds shown being of high quality, and at their best made competition very strong. The winners were: Carr Brothers, Spring Valley Poultry Yards, H. A. O'Riley, A. J. Savacool, J. J. Farrell, Mrs. E. R. A. Litzau, H. Wege and Thos. Randall. The first cockerel in form, color and condition was a hummer. He carried a beauty head and to our notion is one of the best we have seen.

Buff and Partridge Wyandottes were rather small, but good classes.

Columbian Wyandottes with 201 birds shown were the largest class at the exhibition. The club had its annual meeting here and the class this brought out is to the credit of the breeders and the variety. Type here was the feature. The true Wyandotte form was very evident in a great majority of the birds shown, followed closely by fine head points. In pens alone sixteen entries were found, and the judge had his work all cut out for him in this class. Let it be known that Mr. Cleveland did a very nice and satisfactory job.

Mr. D. Lincoln Orr won first and sixth cocks, seventh and eighth cockerels, second pullet and third pen. His winning cock is a grand specimen of the highest Wyandotte type.

Mr. Harry G. Miller won second pen and was well placed in all single classes. Mr. F. C. Herrington won first pullet and first pen. Other winners were F. H.

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## Uncle Sam Poultry Book and SURE HATCH INCUBATOR

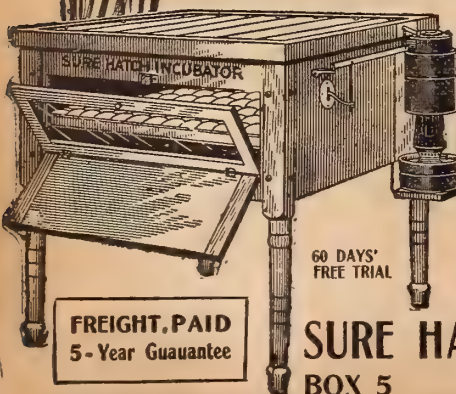
will start you out just right in the chicken business. Lots of people would go into the business if they knew how to handle it. Government operators have investigated all departments of poultry culture and sent out the results. We have combined and condensed these reports into the best book ever published on the subject and are selling it at 20 cents, and by our plan you can get 50 cents back. Send us two dimes or ten two-cent stamps. This book tells you all about how to handle the business successfully and gives you inside information that you can't get elsewhere. It also tells you that you should use an incubator for hatching and how a good one should be made. The

### SURE HATCH INCUBATOR

Is made just as Uncle Sam says a good one ought to be made and that should be of interest to you when buying a machine. The chicks hatched from eggs other machines spoil will soon pay for your machine. With our sixteen years' experience in building and improving the Sure Hatch, and right up to date with the latest and best in the incubator construction you cannot possibly go wrong in getting a Sure Hatch. No thin iron, paste board or knotty lumber used in the Sure Hatch. No. 1 clear California redwood goes into all our machines. Best lumber in the world for incubators. The pure lake copper

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BOX 5 FREMONT, NEBRASKA



Stevens, J. S. Rittenhouse, E. F. Benson, A. W. Close, J. E. Perkins, etc. Mr. G. E. Nichols winning first cockerel.

The Single Comb Reds were a show all in themselves in size and in general quality, with the best possible condition noted in most all the birds. Judge R. V. Hicks again did a noble job and won renewed fame for his masterly work. We hope to see him at more eastern shows on this class of birds.

I believe the happiest man at this show was Mr. F. C. Rankin, owner of the Schenley Heights Poultry Yards, Pittsburgh, Pa. He made some of a record last year with his Reds, but here he just swept the deck with his quality and well deserved all he won, for his birds merited all. His winnings were first hen, first cockerel, second and third pullets and first pen. With these regular winnings he also carried off a long line of great specials, including the Sweepstake special for best bird at the show with his winning cockerel. This bird won special for best bird in the American class and with special for best display and several others he was well prepared to journey back home, and to meet his friends with a collection of five or more cups and all honors that could well be won by any man with any line.

First cock went to J. H. Crosslet & Sons on a beauty of typical form and sound color with nice wing. Third to Ellis S. Shelly, Williamsburg, Pa., who also won fifth hen and fourth pullet with birds very high in general quality and of the best of color. Second cockerel was won by E. E. Seasoltz with a strong bird of quality. First pullet went to F. H. Wintersteen, Port Carbon, Pa. She was an exceptional bird of merit, well shown and for richness and evenness one of the best.

In Rose Comb Reds the class was much smaller, with nearly 50 birds shown. The quality was there, even if the numbers were limited. Here Mr. Annesley M. Anderson, Morton, Pa., won second cock, first hen, second cockerel and first pen. The pen was a model for mating and evenness. Other winners here were Rock Creek Poultry Farm with first cock; Buehler & Mann, O. J. Aregood, Ishala; P. Y. C. E. Morrison, etc.

In Buff Orpingtons a great class of fine birds was seen with shape and sound color the feature. Here a great record was made by Mr. R. S. Roberts, West Chester, Pa., who won first, second, third and fourth in cockerels with four birds shown. They also won in every class. The winning cockerel was a model in form, with excellent head and carried well. His color was even, sound and of just the proper shade, a great bird and good winner. His other cockerels were right up close, winning in rotation, and all alike showing the best of breeding quality. Mrs. Roberts devotes about all her time to their birds and has won her way from a small beginning to this splendid record that we are proud to chronicle, for it is honor well won and most deserving.

First cock shown by W. J. Stokes, first hen H. G. Doak and first pullet by George P. Rigby.

Black Orpingtons were a strong quality class, the first cockerel showing the best of type and wonderful color, with the best of finish. All other winners were good.

White Orpingtons numbered 60 birds, well shown as a rule and the winners up to the best grade. All the winners very good birds, W. J. Stokes winning first

## THIRD SHOWING OF YAMA BLACK MINORCAS AND FIRST SHOWING OF YAMA BARRED ROCKS IN NEW YORK

**YAMA FARMS** made 41 entries at Madison Square Garden Show 1912-13 and had 21 birds placed.

In S. C. BLACK MINORCAS we won FOUR 1sts OUT OF THE POSSIBLE FIVE. Our display pen, exempt from competition, was a typical representation of our whole flock—it showed the YAMA FARMS type.

Our 3rd Minorca exhibit in New York won—

1st, 3d and 5th—Cocks  
1st, 4th and 5th—Cockerels  
1st, 4th and 5th—Pullets  
3d—Hen  
1st and 4th—Pens

Eggs for hatching just as fine birds as we show, \$10 a setting. Utility eggs, with the best Minorca blood behind them—\$3 a setting; \$15 a hundred.

## YAMA BARRED ROCKS THE COMING STRAIN

The results of our first year's breeding of Barred Rocks and our FIRST showing of Barred Rocks in New York have been very gratifying to us.

We have arrived in Barred Rock females—the birds exhibited in Madison Square Garden testified to this and were among the most admired by veteran breeders and judges.

The competition was the closest, in the keenest class, in the biggest show ever held in the country, and YAMA FARMS had 3 hens placed among the 8 awards.

### YAMA FARMS HAD MORE FEMALES PLACED THAN ANY OTHER BREEDER

In every class we scored, winning—

2d, 6th and 7th—Hens  
3d and 8th—Pullets  
5th—Cockerel  
7th—Cock  
3d and 6th—Pens

Eggs for hatching from our choicest birds—the coming strain—\$10 a setting. Utility eggs from same blood, \$3 a setting.

Send for our new book. It tells you something new perhaps.

**YAMA FARMS**  
NAPANOCH, ULSTER CO., NEW YORK

Newton Cosh, Mgr. of Poultry Dept.



cock, first and second hens and first pullet.

First pen was won by Miss Carey, of England. This with a display of birds for exhibition was her only entry and created much interest here, as well as at the Palace, New York show, where birds of her breeding were shown.

Light Brahmas were a class of 55 birds and a royal good class it was. Here Messrs. Balch and Brown, Manchester, Conn., again made a great win, taking third and fourth cocks, third hen, first cockerel, first and third pullets and first pen. This pen also won the sweep-stake special for best pen at the show. Mr. A. E. Wohlert, Narbeth, Pa., had an entry and won well in most all classes. In Anconas he made an extra nice winning in all classes and in pens won first, second and third prizes.

Other prominent winners in Brahmas were I. R. Hichman, Willowbrook Poultry Farm, Minch Brothers, etc.

Cochins in Buff and Partridge were classes well worth seeing, for many fine specimens of these old-time favorites were there.

Black Langshans were a beauty class and one we shall long remember, for there were birds of merit properly shown. Mrs. F. Littlefield, Middleburg, Md., here winning first cock, first and second hens, second, third and fifth cockerels, third and fourth pullets and first pen. This follows up her winnings at earlier shows well, and it is safe to say this line will be heard from later. Mrs. Littlefield is a most interesting fancier and breeder bound to succeed.

Mr. W. F. Presgrave, Salisbury, Md.,

another breeder of note in this line, who also has won well before, here took first and fourth cockerels and second and fifth pullets with but five birds shown.

The best class of S. C. Brown Leghorns we have seen here in years and one of the best quality classes ever shown was on display here, the great winner being Mr. Frank Schellang, R. F. D. No. 8, Erie, Pa. He won first, third and fifth cocks, first hen, fifth pullet and first pen, with several specials of note and value. The first cock is to our mind one of the best males ever shown; his color and markings are of the best, good head and very nice shape and size. First hen also a grand winner of merit. This line we have often seen at its best and know it to be one of substantial quality.

Other winners here were E. E. Endsley, E. R. Terry, C. O. Miers and A. A. LeFevre.

The class of Single Comb White Leghorns numbered 152 birds, as strong and fine a class as one could wish to see. Here again we wish to specially compliment the judge, Mr. W. C. Bowman. His task was a hard one, but he mastered it and did well, very well.

In this great class, with a dozen prominent breeders showing, it can well be imagined that class and quality was there of the best sort. The general condition was a strong feature, with fine shaped heads and combs close up. All the winners were choice birds, and many good ones had to be left out, as the ribbons failed to reach round.

The prominent winners in this class were the Newton Producing Co., the International P. S. Co., E. E. Brubaker, H. C. Wack, Elm Poultry Yards, Hart-

ford, Conn.; Crystal Poultry Farm, F. E. Wilkinson, Caw-Law Poultry Farm, etc.

Campines seem to have the call, and here again a very large and strong class of Silvers were seen. They have been one of the prominent features of all the shows held this season, as well as last year, and their steady growth to popular favor is to their credit. They have the general all purpose quality demanded in an up-to-date breed, and we feel assured the future has much in store for them.

The Manhattan Farms, Brighton, N. Y., here again made a general clean-up of honors and awards. They did this same thing at Allentown, Hagerstown, Trenton, the New York Palace and here at Philadelphia. It is a habit with them, and a good one, if, like them, you have the goods. Their winnings here are first and second cocks, first and second hens, first, fourth and fifth cockerels, second, third and fourth pullets and first pen, with all specials. We hope to visit this farm soon and to tell our readers all about it. In Golden Campines they won all five first prizes, as well as all seconds and thirds competed for.

Houdans were a good class of quality. There are a lot of good breeders of this variety and a lot of fine birds, and being a good staple breed deserves better from its breeders, who seem to fear to advertise and push them as they should.

Hamburgs, Lakenfelders, Cornish, White Indian and Pit Games were good classes, complete and a very choice display.

Bantams numbered 160 birds, with the Black Cochins the largest class and the Buffs next. Black Tail Japanese were also way up in numbers and of very good quality.

Ducks were a very large entry, with the Pekins and Indian Runners leading in fine displays. Geese and turkeys finished this display in real good shape.

Pigeons numbered about 800 birds, including displays of all varieties. Philadelphia is always strong on pigeons, and this year the exhibit was no exception. The judges told us it was a case of merit all through, and we with others admired their beauty.

The display of incubators was most complete, several working and hatching chicks daily. The large incubators were a feature, the Newton Giant, the Hall Mammoth and the Candee being shown. Mr. Watson, of the Newtown Producing Co., told us that they had just received an order from India for one of their Giant machines through their ad in the A. P. J.

The display of eggs attracted unusual attention this season with over 50 entries. The collection was one of beauty and value.

To sum up we can just add "Grand." Every feature of interest to the poultry industry was conserved. The cooping in charge of Maj. Bill Bailey and the arrangement in charge of Superintendent Hickman was of the best. The displays were complete and instructive, and throughout the mammoth building there was a feeling of contentment and general good will, with evident pleasure. The exhibitors were glad they came. The officers and members worked in harmony and with well-deserved pride at their success, and the attending public fully enjoyed all that was shown them. The show was a great success. Let us have more like it. We look to you, members of the Philadelphia Association, with every confidence and with all hope for your future efforts.

## BUFF PLY. ROCKS, "GIANT" BRONZE TURKEYS AND INDIAN RUNNER DUCKS

Quality of our birds is backed by years of careful breeding. They have won in our own and customers hands at Chicago, Louisville, Ky., St. Louis, Boston, Atlanta, Seattle, Wash., and many other national shows. Birds in either variety of the very best quality. Toms with great massive frame and bone with fancy plumage, good enough for any show or breeding pen. Buff Rocks and Indian Runner ducks of same high quality.

**J. C. Clipp : Box A : Saltillo, Indiana**

## Billings' Rhode Island Reds { BOTH COMBS

have that brilliant, rich, even surface color, with strong, deep red undercolor, with fine head-gear, long bodies and black markings that appeals to the most careful breeder. Have won at Cleveland and many of our largest shows. 1000 head choice breeders and exhibition birds to sell. Write your wants.

**B. M. BILLINGS, : Box A, Oberlin, Ohio**

## Cretaceous White Wyandottes

At the late Wellington Show, won 1st and 3d cock; 1st, 3d and 4th cockerel; 1st and 2d hen; 1st, 2d, 3d and 4th pullet; best pair; best display of Wyandottes, all varieties competing, and best display pen in American class; also 1st and 2d pen. A large number of cockerels, pullets, cocks and hens for sale at greatly reduced prices. All farm raised. Write your wants. Mention American Poultry Journal.

**W. R. SHEPARD : BOX A : WELLINGTON, OHIO**

## Champion R. C. Black Minorcas

Win for us again this year at Madison Square Garden, New York. New York 1911 cock 1st on one entry; 1912-1913—cock 4th, hen 1-2, cockerel 2d, pullet 1-4, pen 1st, best display ten exhibitors, 71 birds on exhibition. At the International, London, October, 1912, won cock 1-2, hen 1-2-3, cockerel 1-2-3-4, pullet 1-2-3-4, all specials, silver cup for best exhibit of Minorcas. Ontario, Guelph, December, 1912—Cock 2-3, hen 1-2-3, cockerel 1-2-3, pullet 1-2-3, best display. These winnings together with previous years at Scranton, Pa., and all leading Canadian shows places our champions in the front ranks. Come to headquarters and secure the best. Remember your success is our success. Eggs and stock for sale, prices right. Muscovy Ducks. Mention American Poultry Journal when writing.

**Ross Swartout, Mgr. and Prop., Geo. Rott, Farm Supt., Box C, Newport, Ont., Can**  
A. P. A. Member International R. C. B. Minorca Club Canadian Minorca Club Member



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We have started out to convince 100,000 users of Incubators that they can't afford to take off a single hatch until they have equipped themselves with one of our

Ajax  
Improved

## Oxygen Vitalizers



### Read --- Sworn Proof

F. J. RUSSELL,  
Breeder of High Class Poultry.  
Summerdale, N. Y., July 12, 1912.  
Reliable Poultry Specialty Co.

Gentlemen: It affords me much pleasure to furnish you with a report of my work with your AJAX IMPROVED OXYGEN VITALIZER for 1912. From my first hatch, I secured a big, strong chick from every egg but two. On the second hatch a chick from every egg but six, and on my third hatch of the season 307 chicks from 307 fertile eggs. I cannot speak too highly of the great worth of this truly wonderful device, and I heartily recommend it to all poultrymen and poultrywomen throughout the world.

With best wishes, I am,  
Very sincerely yours,

MRS. F. J. RUSSELL.

Under Seal Sworn to before me this 12th day of July, 1912.

C. R. CRIPPERLY,  
Notary Public.

## BULLETIN

N. Y. State College of Agriculture

"OXYGEN is essential to normal development, the amount required increasing with the growth of the embryo. The eggs give off carbon dioxide and this increases as the embryo grows."

The Ajax Improved Oxygen Vitalizer delivers just the right amount of oxygen, 99 3/10 per cent. pure, to the egg chamber just when the chicks need it most. **RESULTS! A Big, Strong Chick from Every Egg.**

See Mrs. Russell's Letter Above.

Berwyn, Pa., Nov. 1, 1912.

Reliable Poultry Specialty Co.  
Alexander, N. Y.

Gentlemen: So that you may fully realize what your AJAX IMPROVED OXYGEN VITALIZER did for me in 1912, I respectfully submit the following:

One Vitalizer costing \$3.50 saved me \$126.80 the very first season.

In my experimental work I fully proved to my entire satisfaction that the AJAX IMPROVED OXYGEN VITALIZER is a positive preventive of chicks dying in the shell and of White Diarrhoea.

You may use this letter as fully as you choose because the Poultry World ought to know the real value of this wonderful scientific device.

I wish you much success for 1913.

Yours very truly,

MARY D. NEWCOMB.

**S**O overwhelming has been the proof which we have received from those who used the Vitalizer last season, that we make and pack with every Vitalizer that leaves our factory, a printed and officially signed "Money Back" guarantee. We guarantee that the Ajax Improved Oxygen Vitalizer will produce a big, strong, vigorous chick from every hatchable egg placed in your incubator. We guarantee that it will prevent chicks dying in the shell and White Diarrhoea; and we furnish you with sworn proof of these facts printed on this page. If you have any doubt as to the strength of our guarantee, write one for yourself. Make it just as strong as you want to. All we ask is that you will carefully follow our instructions, and in all respects give the Vitalizer fair play. It will do the rest. We will cheerfully sign your guarantee, and return it to you with the Vitalizer. **Oxygen is Life.** Without Oxygen in the air that we breathe, we would die. The New York College of Agriculture tells you that Oxygen is essential to the normal development of your chicks. They also tell you that "the eggs give off quantities of Carbon Dioxide." Carbon Dioxide is simply another name for Carbonic Acid Gas. Carbonic Acid Gas, in the quantities that are found in the egg chamber of your incubators, is poisonous. "Dead in the shell" chicks are the direct result of this poisoning. Oxygen, as a powerful germ destroyer, purifies the air, overcomes the effects of the poison, and the chicks hatch, live and are free from White Diarrhoea. The Vitalizer costs \$3.50, complete, ready for use, delivered to you anywhere in the United States. It can be attached to any incubator in two minutes, and is so simple that anyone can operate it. One Vitalizer, bought by Miss Mary Newcomb, saved her \$126.80 the very first season. Her report is printed on this page for your information. If you have any doubts as to the truthfulness of it, write her, but kindly send stamp for reply. The best feature of the whole thing is that you don't have to take any chances in order to see for yourself the truthfulness of every statement that we make. The first thing to do is to send us your order. Do it to-day. Send along your own guarantee if you want to, but please get ready for that first hatch. We publish a valuable booklet on oxygen that we will gladly send you free, upon application.

**Reliable Poultry Specialty Co.**  
Main Street :: Alexander, New York

## \$50.00 in Gold Will be Given Away

To make sure that the VITALIZER is given FAIR PLAY, and to secure the interest of our patrons in the realms of scientific experimental work, we have set aside the sum named above to be divided at the close of the hatching season, among those making the best reports of their season's work, \$25.00 to the first, \$15.00 to the second and \$10.00 to the third. This contest is open to every user of our Vitalizer. No conditions except that all reports shall be received at the office of the Company properly verified, on or before August 1, 1913. Each report to be placed in a separate envelope, and marked "Vitalizer Contest." Reports will be passed upon by a disinterested committee, and awards made on or before Sept. 1st, 1913.





FEBRUARY TO MID-MARCH.

Incubators should be kept busy from now on. Get out a good bunch of early chicks but do not try to grow more than you can care for properly.

Many a poultryman "falls down" because he tries to raise "just a few" more than he is equipped to handle. Don't try to grow faster than your capacity for doing good work.

Give the broody hen a chance. If you have early pullets that have been shelling out an abundance of fall and winter eggs, you ought to have some now that are broody and that will make good sitters. Set them in groups of four to ten. It is just as easy to care for ten sitters set at the same time as it is to care for one, if you go about it right.

Gather the eggs frequently in cold weather to avoid chilling but do not keep them in a warm place; 40 to 50 degrees is about the right temperature.

Good, clean, dry sawdust or planer shavings are about the best nesting material than can be used in the nests for layers. For nests with wire bottoms we like excelsior very well as it lasts longer and keeps cleaner than hay. Keep the nests clean for clean eggs.

It is time to get hatches started for market ducks. A good many enterprising growers had their machines busy in January.

At this season poultry houses of many different types are often reported damp from moisture which condenses and freezes on the walls and ceiling. It is an old problem and there are many causes of the unwelcome dampness. Too

many birds in the house is a common cause. Too little fresh air is another. In some locations deep litter may attract and hold dampness. Houses with open fronts and built of boards and shingles are seldom damp. A house of the same pattern covered with a soft-finish felted roofing will seldom give any trouble. Metal roofs or roofs covered with hard, smooth finished roofing are very liable to "sweating" or condensation of moisture and are in some locations very damp. To get rid of moisture don't overcrowd the house, avoid roofings that condense moisture too readily if you are in a location where damp and foggy weather is common, get more fresh air into the house for the entire twenty-four hours of the day, and provide for all the sunlight you can when the weather is favorable.

There are a good many arguments for and against artificial hatching and brooding and there is a whole lot to be said on both sides of the question. J. H. Curtiss, veteran soft roaster grower and one of the biggest dealers in high class chicken meat in New England, says that he wants "market chickens that are incubator hatched and brooder grown." He certainly knows good chickens and he buys many tons of them each season at from 20 to 35 cents per pound alive. It depends a lot on who hatches and grows the chicks and how they do it.

Only a small proportion of our chicks were hen hatched and hen reared last season and we grew some 4,500 to marketable maturity. We will have to admit that, except where leg bands or toe marks tell the story, we can't tell our artificially grown chicks from those grown with hens. We had some chicks from other incubator operators that were just as good as ours, and

some from other operators that were not worth the oil it took to brood them. It takes skill to get good chicks by the machine method, and, by the same token, it takes some experience to get good chicks by the natural method.

Just now some folks are hesitating about whether to order day-old chicks or eggs for hatching. We have had good luck both ways and bad luck both ways. If we had confidence in a man's ability to skilfully operate incubators and in his breeding stock we wouldn't hesitate about buying day-old chicks. If we had any doubts about the hatching but felt sure of the breeding stock we'd buy eggs and hatch them at home under good hens unless we had confidence in our ability as an incubator operator. If you do buy day-old chicks don't fail to be ready for them when they arrive and either have a good brooder heated up and waiting or plan to put them under broody hens that are waiting for them in dark nests. Make-shift brooding devices may serve if you have the "know how" and take pains with them, but as a rule a good many chicks are lost that way.

Frosted combs should be first rubbed with snow or cold water until the frost is out. Then anoint with camphorated vaseline and massage thoroughly until parts are normal in appearance.

Torn backed females are commonly found at this season. Look for the cause: heavy or clumsy cock birds with long toenails or nails with sharp edges. Remove the cause by blunting the nails. Put the injured bird in a pen by herself, cleanse the wound, freshen up the raw edges and draw edges of wound together with strip of surgeon's sterilized zinc oxide adhesive tape.



FIRELESS BROODING OF CHICKS

We want every one who reads this ad to write for our new book, "The Fireless Brooding of Chicks," which will show you how to RAISE 90 PER CENT OF THE CHICKS without the danger of fire, of overheating, sweating or smothering. It gives our years of experiments, with all kinds of brooders, showing how we have made and maintained the above record. Worth many dollars to you. No smoke, no smell, no fire, no bother, no expense. Guaranteed to raise the chicks. Sent free. Write for your copy today.

Harvey Bros., 259 Cooper Ave., Johnstown, Pa.



Covert's Barred Rocks Win

Again at Pittsburgh Great Exposition show, Jan. 1913, 4th cock, 2d pullet, 1 pen pullet mated, 2d pen cockerel mated

CHICAGO, 1912 In the largest and best class of Barred Rocks ever brought together either east or west, 393 birds in all. First cock (29 in class), first and fifth hen (79 in class), second cockerel bred hen. The first and fifth hens are the same birds that won last year as pullets. I have also won at Buffalo, Cleveland and many other large shows during the past five years, demonstrating I have been and am producing exhibition quality for I raise all the birds I exhibit. My matings this year will be superior and I can supply your wants in either stock or eggs. Ten grand pens cockerel and pullet matings. Send for mating list. I guarantee to please you in your dealings with me. Write today, mention A. F. J.

Covert Barred Rock Farm : Willoughby, Ohio



# The Leghorns

## Standard and Non-Standard Varieties

The Most Complete Text Book on the Popular Leghorn Fowl Ever Issued



HIS new edition consists of 144 large pages and cover, and tells how to select and mate birds for the breeding pen; how to judge Leghorns in the show room, and how to feed for very heavy egg yield and fast growth. Some of the great commercial Leghorn egg farms described and illustrated.

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Three Color Plates by Franklane L. Sewell and A. O. Schilling

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### THIS NEW BOOK CONTAINS THE FOLLOWING VALUABLE ARTICLES

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**CHAPTER II. LEGHORN TYPE:** Evolution of Leghorn Type. Standard Shape of Leghorns.

**CHAPTER III. BROWN LEGHORNS:** Single Comb Brown Leghorns; Color Breeding in Brown Leghorns; Thirty Years Among Brown Leghorns; Brown Leghorns Past and Present; Rose Comb Brown Leghorns; Symposium by Fifteen Foremost Breeders on Progress Made in Color and Shape; Virtue and Faults of the Variety Today; How the Revised Standard will Benefit Brown Leghorns in the Future.

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**CHAPTER V. BUFF LEGHORNS:** Buff Leghorns of the Past; Mating for Shape and Color; Modern Buff Leghorns; Buff Color Breeding Problem; Buff Leghorns for Show and Table.

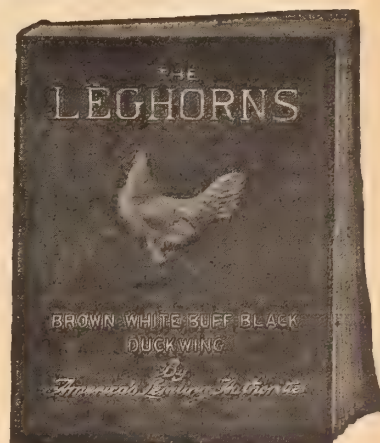
**CHAPTER VI. BLACK LEGHORNS:** Silver Duckwing Leghorns; Red Pyle Leghorns. Standard for Red Pyle Leghorns.

**CHAPTER VII. LEGHORNS IN FOREIGN LANDS:** Leghorns in England; English Buff Leghorns. White Leghorns in South Africa.

**CHAPTER VIII. JUDGING LEGHORNS.**

**CHAPTER IX. COMMERCIAL LEGHORN FARMS:** White Leghorn Farms of Vineland, New Jersey; Egg Farming in California; Egg Farming in Greater New York; Building up a 200 Egg Strain; Leghorn Broilers for the Hotel Trade; How to Make White Leghorns Pay; Typical California Leghorn Farm; Feeding and Housing Leghorns for Profit, a Symposium Contributed to by Twenty Breeders Operating Successful Plants North, South, East and West.

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# Current News of the Poultry World

by J. F. Shureman



Wm. Watson, proprietor of the Sanitary Poultry Farm at East Manatee, Fla., has a Plymouth Rock hen that lays three eggs every two days regularly; that is, she lays one egg one day and two eggs the next, and has kept it up for several weeks. The hen is kept penned up and Mr. Watson is ready to make sworn affidavit that these are facts. Next!

There was money in these ducks, sure enough. R. W. Meredith, a farmer near Woodland, Alta, Canada, dressed a bunch of ducks for market the middle of January and found the gizzards of the birds filled with flake gold, seven of the pieces measuring from a sixteenth to an eighth of an inch in diameter. The find has created considerable excitement and prospectors are already at work on Mr. Meredith's property.

A prize-winning Barred Plymouth Rock cock, owned by S. H. Page, of Waverly, Iowa, and valued at \$150, died while on exhibition at the Sioux City poultry show.

Mrs. Emma Flower Taylor has purchased the entire stock of show birds owned by T. E. Dorchester, of Adams Center, N. Y., and will use them as foundation stock at the Greystone Stock Farm at Burrville, which she has acquired. The collection includes Wyandottes of every variety and Muscovy ducks.

Jesse Morris, of Roseburg, Ore., has a Barred Rock hen that he claims has laid 266 eggs in 10 months and 19 days. He claims the championship of Oregon.

Members of the Southwestern Michigan Poultry Association have started the circulation of petitions asking the state to appropriate \$5,000 for the benefit of the poultry industry of that state.

At the annual meeting of the Missouri State Poultry Association at Springfield it was decided to urge the State Legislature to appropriate \$60,000 for the use of the State Poultry Board during the next biennial period. If the appropriation is secured a poultry expert will be employed to do institute work among the farmers of the state and prizes of \$25 for the best exhibits of poultry at the county fairs will be offered.

An attraction at the Bloomington (Ill.) poultry show in January was a "female rooster." The bird has every appearance of being a male bird, but her owner

stated positively that he or she or it was a hen, and to make his (the owner's) word good the freak bird laid several eggs during the show.

Poultry shipments from Morristown and adjacent territory in Tennessee during October, November and December reached the enormous total value of \$400,000.

A flock of 1,250 turkeys was driven into Sedalia, Mo., on December 16 and sold at 16½ cents a pound. The turkeys were driven 26 miles and traveled at the rate of two miles an hour. The birds averaged over 16 pounds and brought their owner \$3,200.

A. E. Martz, the well-known poultryman of Arcadia, Ind., refused an offer of \$500 for a Buff Orpington cockerel at the recent Chicago show.

At a recent meeting of the New York State Fair Grounds Commission a decision was reached to have a new poultry building erected on the State Fair grounds at a cost of \$100,000, and to be completed before the opening of the 1913 fair.

A cock-bird with a horn growing from its comb, resembling the spur of a fighting cock, was exhibited at the Rockford (Ill.) poultry show in January. The freak bird is owned by Randall Brothers, of Durand, Ill.

A poultry farm to be stocked with White Wyandottes and White Leghorns from the Hartman Stock Farm at Columbus, Ohio, is to be established eight miles north of San Antonio, Tex., by S. J. Martin. The farm will comprise 122 acres, devoted entirely to poultry, and it will be the largest venture of the kind ever undertaken in Texas. E. T. Jacobs, formerly of the Hartman farm, will be in charge of the enterprise.

Clarence F. Payne, of South Bethlehem, Pa., counted his chickens before they were hatched and got into trouble with the postal authorities. He bought several incubators and 600 eggs and advertised that he had 3,000 baby chicks for sale, supposing, as he says, that he would get at least that number of chicks from 600 eggs. Orders by the score came in, but when the hatch came off Payne could count only 127 chicks and he was so disappointed that he forgot to return the money he had received on the orders. The attention of the postal au-

thorities was called to the matter and Payne was arrested. It was his first experience in the poultry business.

A proposition is under way to eliminate the middleman in the marketing of eggs in San Francisco and establish a commission house in that city through which the eggs of practically every producer in the state will be handled.

A Yankee down in Connecticut claims to have discovered a method for making hens lay eggs with shells of special strength that will simplify the problem of successfully sending them by parcels post.

A Black Orpington cock, owned by R. J. Knisley, proprietor of the Pine Rose Poultry Yard at Reading, Pa., claimed to be the champion bird of its class in the United States and valued at \$2,000, died in January. Mr. Knisley says he refused an offer of \$1,000 for the bird a year ago.

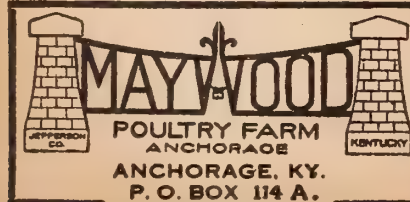
A Silver Wyandotte cockerel sold for \$50.50 at auction at the Jackson (Mich.) poultry show in January.

Prospect Hill Farm, near Girard, Pa., has been sold by William M. Orr to Ruben Brewer for \$13,000. The farm consists of 238 acres, on which are numerous good poultry buildings, as it was once an extensive poultry farm. The new owner will again use it for that purpose and also for stock raising.

A Boys' Poultry Club has been inaugurated by the Y. M. C. A. of Louisville, Ky. Lectures will be given at stated periods and the boys instructed in poultry raising. An incubator will be installed and the hatching of the chicks fully demonstrated. Later the chicks will be divided among the boys.

The Belle Hill Poultry Farm, a mile north of Elkton, Md., which was established about eight years ago by the late George Johnson, and purchased about two years ago by E. R. Rail, of New York, for \$18,000, has been sold to Bishop Ortynski, of Philadelphia, who will convert the farm into an orphanage for boys.

Among the distinguished exhibitors at the recent Watertown (N. Y.) poultry show was Mrs. Kurt Eisfeldt, better known to the play going public as May Irwin. She exhibited Black Orpingtons. Miss Irwin's poultry farm is on Irwin Isle in the St. Lawrence river.



SPECIALIST IN HIGH-CLASS

## WHITE LEGHORNS ORPINGTONS WYANDOTTES

HANDSOME  
CLOTH BOUND  
CATALOGUE  
FOR STAMP.

MAYWOOD  
WHITES  
ARE WHITE.



## THE TRUE TEST OF POULTRY.

By H. Cecil Sheppard, Berea, O.

**W**ISE, young Mr. Rooster had the marriage bee. Being a proud, critical sort of fellow he was, of course, hard to suit. He had associated with every chicken in the pens. Most of them he "knew by their first names," knew their habits, their values and faults.

But still he was looking. He had not found a mate, though he had a choice from every breed of chicken he knew about. "Surely somewhere," he growled with a touch of discouragement, "there should be a different kind. These hens may be all right for some—but my mate must be above the ordinary."

Could the fancier who owned the wise young bird have heard his musings he probably would have been beheaded, and used to grace the family dinner table; for the said fancier was proud of his hens.

But the death of our hero would spoil the story—so it must be taken for granted that the fancier was out of hearing distance.

Perched on the edge of a coop, Mr. Rooster continued thoughtfully: "My wife must be handsome—a shapely bird, with pretty feathers. She must be active and hardy. In this day of the high cost of living she must consume little food and prosper just the same. She must be thrifty."

Most important of all, the pullet Mr.

Rooster chose must be first in the life work of a chicken. She must be a good layer. The eggs must be large and must hatch a high percentage.

His musings were cut short at this juncture by a wild commotion in the chicken yards. Flying from his perch to learn the cause of the excitement, he saw the fancier approaching with a crate of new chickens.

"These are the Anconas I have been expecting," he heard the owner tell his helper. "They are the best layers known, and the eggs hatch, after shipping, over 90 per cent. Often, without the long trips, the eggs hatch out a full 100 per cent. They are money makers because they lay the year around and require but little food."

Mr. Rooster showed high interest. Here was just the kind of a wife for him, provided he was satisfied with her appearance and habits. He shook out his feathers, shined his beak in the dust and proudly waited.

As the fancier opened the door and freed the new arrivals, Mr. Rooster was astonished. Never before had he seen this kind of bird. They were beautiful—slightly larger than a Leghorn, but with the same graceful lines. The feathers were of that jet black which throws off a greenish cast, and the white tips combined to make a coat of delightful contrast.

But, being a wise, critical bird, our hero was not too hasty. He must see for himself that all his owner said was true, and study the habits of his future mate.

As the days passed, he found the beautiful creatures were all they had been proclaimed and more. They were more active than the Brahmas, but who would want a sleepy, dopey wife? They could be kept easily in a pen five feet high, so there was no danger of her leaving him.

He learned further that their meat is sweet and juicy, that they do well in confinement and that they are great foragers, capable of picking up a good portion of their living when given a free range. What was there left to be desired in the way of a useful, beautiful chicken, he reasoned.

At last satisfied, Mr. Rooster was married in the ceremony of poultrydom, and suffice it to say he never regretted his choice.

He lived long, this wise, Rooster, but he was kind and dutiful always to Miss Ancona. He never gambled, never touched intoxicants, and it can be truthfully said that he never—never stayed up late at night.

And what better recommendation, pray, could the Ancona wife have?

Now my dear reader, be as prudent as this wise rooster and select Anconas for your breed. You will find that they will be as loyal in pleasing you and keeping your egg basket full, especially in winter when the price of eggs is high.



## POULTRY CUTS

Our new catalog now ready; latest and best designs; all varieties; ask for it today  
Chas. L. Stiles, Columbus, Ohio

## THE MOST POPULAR FOWL today is U. R. Fishel's White Ply. Rocks



## GUARANTEED BREEDERS

I will personally mate you a pair, trio or pen of either variety of Reds, and guarantee them to be as well bred as any in America.

100 good Red males, \$5 each. 100 grand Red males, \$10 each.

Describe what you need to improve your flock and I will select it.

## MATING LIST

Illustrated circular describing 50 breeding pens of the highest grade flock of Reds on earth, sent free for postal.

My prices vary according to quality of pens listed from \$3 for 15 guaranteed fertile eggs to \$15 for 15 eggs from best stock money or brains can produce. My pedigreed eggs at \$1 and \$2 each are in a class by themselves, as mating list will prove.

Eggs delivered by express or parcel post in any quantity desired.

I want your address. You need my circulars, so get busy.

## Breeders may come and breeders may go, but "DE GRAFF'S REDS" go on forever—There is a reason!

For the information of my past, present and future customers I will give the following facts, for your consideration, and I defy any editor to deny them.

I have the best flock of Reds on earth and my farm is the heart of the Rhode Island Red industry of the world.

I have issued for five years the highest grade of poultry catalogues containing the only true life pictures of Reds ever printed, ever published and sold for 25c on approval without a single kick.

I have made the largest exhibit of American fowls ever made by one exhibitor, and won every 1st, 2d, 3d, 4th and 5th prize offered (101 birds).

I am the only American contributor to the poultry encyclopedia of England, and my color plate is highest grade picture in their wonderful books.

I was selected as authority on Reds to conduct the first school of judges and they said I made good, so I know what a Red should be.

I have received more free complimentary reading articles than any other Red breeder, and there are more coming.

I have been used for the A. P. A. "Reform Goat" for 4 years, and still my business is better today than ever before, proving my customers are satisfied.

I am in a position to give my customers better value in stock or eggs of either breed of Reds for less money than any of my competitors, as my method of doing business is entirely different. Your money's worth or your money back.

Fraternally yours,

DeGraff Poultry Farm, Box 200, Amsterdam, N. Y.

S. C. and R. C. R. I. Reds — Leading Red Specialist of America

## GUARANTEED WINNERS

I will guarantee to furnish you winners for any show in America, or make the transaction satisfactory.

Write for prices and terms.

I have furnished winners for the largest shows of the country for years back, so I can help you, as I do not exhibit any in my own name.

## BOOK ON REDS

My 1913 book on Reds will outclass all poultry catalogues ever printed, so far that there will be no comparison, and every breeder of poultry should have one for the original practical information it contains, while no Red breeder can afford to be without the three colored pictures of both breeds of Reds which are now framed in the homes of every breeder that ever received one. 25c postage. Less than actual cost to me.



## GOOD TO KNOW

by C.W. Zimmer

The writer was much pleased to again have the pleasure of spending a day with P. A. Cook in going over his poultry farm and noting the many improvements which Mr. Cook is continuing to make about the plant. The signs of progress and continually increasing business are apparent everywhere. Mr. Cook informed us that he had recently added 90 acres to the plant and that he now has over 200 acres devoted to poultry.

We found in the course of construction a large new incubator cellar and show house, 20 x 70 feet, the lower story being a basement which will be used exclusively for incubating purposes, and the upper story will be arranged for one tier of coops containing specimens which are for sale.

Mr. Cook had just returned from a trip through the South where he had made exhibits at several shows and where he is also judging a large number of shows this season. In all, Mr.

Cook has shown at twenty-four shows, including Madison Square Garden, Atlanta and Columbus, Ga.; Louisville, Ky., twice; Birmingham, Ala.; Grand Central Palace; St. Louis, Mo.; Savannah, Ga.; Shreveport, Pa.; Macon, Ga.; Allentown, Pa., and many others. At each one of these shows practically an entirely new string of birds was shown, and as usual Mr. Cook carried off a very large number of prizes, in every case winning the prize offered for best display. This is certainly a remarkable record and is further proof of the quality of Orpingtons bred by Mr. Cook.

Mr. Cook informs us that the reason for showing an entirely new string of birds at each show is that he has found that eggs are infertile from pens where the male bird has made several shows; therefore, he only shows a male bird at one show and he is immediately mated up upon his return to the farm.

Mr. Cook already has a very large number of pens mated up for the egg

trade, including his many prize winners and other specimens of equal quality, being close up to standard requirements. Exceptionally fine specimens should be produced from these matings, as being the originator of all the Orpingtons and having had so many years' experience with them Mr. Cook naturally knows how they should be mated.

Anyone interested in Orpingtons will do well to send for their handsome illustrated catalogue, which contains the original history of the Orpingtons and much other valuable information, to anyone. This book on Orpingtons is sent for the small sum of ten cents. Address: Wm. Cook & Sons, Scotch Plains, N. J.

\* \* \*

I. Brooks Clarke, Newark, N. J. (formerly Hempstead, L. I., N. Y.), makes a specialty of Buff Orpingtons and has made a record for winning prizes, by taking about everything in sight at the recent Minneola and Hempstead, L. I., shows.

Some of his winnings were three silver cups, A. P. A. silver medal, best display, club specials, color special, A. P. A. diploma, and many others.

His Buff Orpingtons are veritable egg machines and he has ten grand pens mated for the egg trade.

Circular giving full information is free for the asking. Address I. Brooks Clarke, Newark, N. J.

\* \* \*

F. B. Crawford, Rahway, N. J., breeder of Buff, Black and White Orpingtons and Buff Orpington Ducks, reports that on eleven birds shown at the recent Palace show ten were in the money and on fourteen birds at the Garden seven were in the money. These winnings speak well for the quality of stock bred by Mr. Crawford. All these winners are to be found on the plant properly mated for the egg trade.

His Buff Orpington ducks are exceptionally fine specimens and won one first and two seconds at the Garden. His catalogue gives full information and is free for the asking. Address F. B. Crawford, Rahway, N. J.

### LOST BIRDS.

Should any exhibitors at the late Chicago show have in their possession any bird or birds shipped them through error from this exhibition, you will confer a great favor on the management if you will write at once to Theo. Hewes, Indianapolis, Ind., giving breed and band number.

Eleven birds have failed to reach their rightful owners and it is important that they be located at once.

On January 1 a single poultry dealer in Corsicana, Tex., had shipped 10,330 turkeys since the season began. The aggregate weight of these birds was 122,793 pounds.

Judge S. B. Lane, veteran poultry judge, died suddenly at his home in Spiceland, Ind., the latter part of December.

A five-months-old Rhode Island Red pullet owned by Mrs. M. Viereck, of Portland, Ore., made a record in January by laying two eggs each 6 3/4 inches in length and weighing 3 1/2 and 3 1/4 ounces. She refused an offer of \$1 each for the eggs.

## SILVER WYANDOTTES

I have for sale a choice lot of cockerels and pullets bred from my Chicago, St. Louis, Springfield and Kansas City winners. Also some one-year stock. Eggs from pens headed by these noted winners, \$3 per 15, \$5 per 30, \$7 per 45, \$12 per 100. Mention American Poultry Journal.

August W. Schroeder, Route 1, St. Peter, Illinois

## Gold Coin Buff Wyandottes

Win again in the largest class ever shown at Chicago. A few cockerels for sale at \$3 and up. Pullets, \$2 and up. Eggs in season. For show birds, write

F. E. Short      --      --      Elgin, Illinois



## 50,000 Baby Chicks

PURE STRAIN, HEAVY LAYING WHITE LEGHORN STOCK

Bred from selected, trap-nested layers. Every one of our breeders must have a record of 175 eggs—most are 200-egg birds.

Hatched in hot water mammoth machines, in perfectly equipped, fan-ventilated cellar. Careful attention and sure methods assure uniform hatching conditions.

Shipped in absolutely safe carriers. Carefully inspected and packed before leaving. Full count; no weaklings.

You can buy baby chicks cheaper than you can hatch them, and you get stronger chicks, purer strain, better results all round if you buy Peerless Farms baby chicks. Place your order today.

Our methods, equipment, stock and prices are fully described in our illustrated folder. Send for copy today. It is free.

The Peerless Farms : A. I. Rosbrook, Proprietor : R. F. D., Northport, Long Island, N. Y.

## BABY CHICKS

SCIENTIFICALLY HATCHED, LARGE, STRONG, HEALTHY

Birds that win. Birds that lay. Capacity this season, 250,000 eggs. Prompt replies. Prompt deliveries. S. C. White Leghorns and R. I. Reds (both combs) our specialties. Also Barred and White Rocks, S. C. Brown and White Leghorns, S. C. Black Minorcas, Buff, White and Black Orpingtons and Indian Runner Ducks.

Tiffin Chick Hatchery : Dept. A : Tiffin, Ohio







**"Unto him that hath  
shall be given"**

**Chicago Show, Dec., 1912**

In a class of sixty-three cock-  
erels we won first cockerel;

In a class of thirty-eight cocks  
we won first cock;

In a class of fifteen pens we won  
first pen;

Which goes to prove that all  
Leghorns are not alike. There  
must be a reason.

Send fifty cents in stamps for our  
handsome book on

## **S. C. White Leghorns**

the recognized authority on this breed.  
Your money refunded if this book does not  
meet with your entire approval. Mating  
List sent upon request. Please mention A. P. J.

**E. W. Grove Jr. Poultry Farm**  
**Route 1, Clayton, Missouri**



# NOTES FROM ENGLAND

CONDUCTED BY

MISS CAREY, TOYNTON RECTORY, SPILSBY, ENGLAND

## POPULAR NEW VARIETIES.

**A**MONG THE MOST POPULAR varieties of the moment in England rank the White Faverolle and the Campine. We have heard a good deal of the White Orpington boom and the money that was made in the variety by leading American breeders but the prospects of the Faverolle and the Campine at present look even brighter.

The White Faverolle was originated some six years ago. For some time I had been looking for a breed that might possibly fill the requirements of the public to the same extent as the Orpington in the event of the country being at any time overstocked with this breed and losing in consequence some of its value. I felt that the Faverolle was the only breed that could answer such a purpose but its color was strongly against it and the fact that double matings were necessary to secure show specimens, few breeders would consider breeding the bird, and following this, the idea came why not produce some new varieties and immediately set to work. I found in a back yard in the North of England a few partially white birds with which to make a start and by persistent breeding, backed up and supported by many leading Faverolle breeders we succeeded at last in perfecting a pure white variety, and so immensely has it caught on to the popular fancy that the year through, there is hardly stock in the country to supply the demand.

I am now at work on a Buff variety and already the pullets come as perfect in color as the best Buff Orpingtons and true to the Faverolle type but the males up to this year have proven an obstacle to all possibility of offering stock for sale, it being almost impossible to eradicate the black plumage of the "Salmon" from the flights and tails of the buff males that carry the Faverolle type to any perfection. This

season we have secured a few and are more hopeful for the future.

The essential points, in the White Faverolles to breed for, are purity of color, good muffs, five toes and if the English Standard is to be held to, a slight feathering down the outside of each leg. I am, however, strongly in favor of adopting any new standard whereby such leg feathering is abolished or minimized to the utmost and shall be pleased to correspond with any Faverolle breeders interested, and give them my experience in breeding and mating these birds.

Another breed fast booming in England is the Campine especially the Silver variety. It is now well known by most to be a breed of Belgium origin, although as with the White Faverolle, these new varieties are purely English, carry an English Standard quite apart from the original standard from which they were in course of time evolved and are now distinct English breeds formed to meet the demand of modern times and conditions and above all to abolish that system of double mating that has ruined the popularity of almost every breed that has suffered from its curse.

The Belgium male differs chiefly in plumage, the pure white of the neck and hackle being carried down the back on to the saddle and forming what is known as the white saddle or shawl. This feature gives the bird a weak or pale appearance and in consequence lost to the breed a good deal of popularity that was won for it by the pullets with their bright, clear, sharply defined barring throughout.

Some years ago a few leading English breeders realizing the promise the

breed held decided to break away from the Belgium breed, dispense with double mating, and produce a variety that permitted the male to carry the same clear, sharply defined barring throughout the body as in the female. The process, of course, has taken some time to fix, for unless the utmost care was resorted to in mating, the shawl of the Belgium would crop out in the English male, but the new variety has now been brought to a state bordering on the entire conquest of these old traits and their appearance met with success that surpassed all anticipations.

Of course the remnant of the Belgium parentage has not been entirely eradicated and probably never will be. Every breed has its culls that throw back to some previous age. Buff and Black Orpington breeders know it to their cost in the males that throw white in flight. White Orpington breeders know it to their cost when after breeding from the purest white specimens, some of the progeny revert to the "brassy" ancestry, and so with the Campine males, breeders must look for the culls that revert to a Belgium ancestry of only a few years back, and knowing where the difficulties in breeding lie, by careful breeding and mating, it will in time be chiefly eliminated and a perfected English and American Standard be established.

A few days ago I received a copy of the proposed American Standard to be adopted at Madison Square Garden and was more than pleased to see that in every respect it bore out all the features we aim for and that in consequence the English and American birds will run side by side and be judged along almost identical lines. The benefit of international standards cannot be too much regarded in the formation and perfecting of any new variety for when one nation is pulling one way, and another another way, what chance has the breed for going ahead? Let us all then warmly support the English-American Standard and aim to see it carried to perfection as the years roll on.

At the annual meeting of the board of directors of the State Poultry Experiment Station at Mountain Grove, Mo., held recently, it was decided to ask for an appropriation of \$50,000 from the next legislature to carry on the work of the station. T. E. Quisenberry was elected station director for another year.

## "DON'T BE A CLAM."

One of my neighbors missed her turkey eggs. A few days after she saw a torpid black snake lying near the nest. On killing and opening there was her china nest egg. This could not have happened with our eggs. Moral: Use S. C. Wh. Leghorn eggs from Darlington and be safe.

Darlington Egg Farm. Alfred P. Edge, Box B, Darlington, Md.

## 60 S. C. RED COCKERELS

For sale at low prices. Eggs for hatching from prize winning pens. Satisfaction or money back. Write today  
T. MENDENHALL - - - - - RIDGEFARM, ILLINOIS.

## BUFF AND BLUE ORPINGTONS

Miss Hooker, for twelve years a Blue Ribbon Buff Orpington breeder, is successfully breeding Blue Orpingtons of which she was the pioneer importer. Very little stock for sale. Illustrated catalog. Mating list on application. Eggs from Buffs, \$3-\$20 for 15; from Blues, \$15, \$20, \$25 for 15. Both strains heavy layers.

Henrietta E. Hooker, South Hadley, Massachusetts



## S. C. Black Orpingtons

SPRING OF 1913—\$10 Eggs for \$4 for 13—Why are they \$10 eggs? Because they are the equal of any \$10 eggs in the United States, and all are from our celebrated Duke of Kent strain—the greatest prize winning strain of Black Orpingtons in America. Send for egg circular and beautiful \$x12 chromo. Very high grade young stock for sale. Mention Am Poultry Journal when writing.

FOSTER & JOHNSTON, R. R. 7, FORT WAYNE, INDIANA  
Honorary State Vice-President American Orpington Club



# Associations and Shows

*Secretaries are Requested to Send in News Items of Interest About Their Shows for This Department*



## THE RIDGWAY POULTRY SHOWS.

One of the best early shows we have ever seen was held at Ridgeway, Pa., November 19 to 22, 1912. The entry was very large and the quality of the best all through. Early shows are advisable, they have their peculiar features that are to their advantage. They are the trying out shows for those to follow and many times we have met the young exhibitors at these early shows with their birds uncertain of their quality that learned their lessons and later in the same year were winners at our great shows. It is these shows that prove the birds value and give the breeder confidence, and have been the making of some of our best breeders.

The early shows are a necessity, we want more of them for the show season at best is entirely too short as it now is.

At Ridgeway we found several surprises particularly in the classes of Houdans, S. C. White and Brown Leghorns, Orpingtons, Wyandottes, Rocks, etc. We believe the Houdan class was the largest at the show with a hundred or more birds in line and with Doctor H. E. Dunne the leading winner. His winnings pen and first cock bird were of superior merit.

The class of S. C. Brown Leghorns was a wonder. We have in some way missed the name of the particular winner. We would like to give him full credit for his splendid line. His first pen was a masterpiece, the cockerel a rich rare bird of extra shape and wonderful color and markings. His pen females and single class winners were of rare even quality—just the right shade with fine markings and strong breasts.

White Wyandottes a strong class. First cockerel a beauty and the winning females very choice and well shown.

The S. C. White Leghorns afforded much work in placing the awards. There were seven grand cocks shown and the first three as good as we can expect to find at any show. First cock fully finished and a beauty in form. First cockerel, shown by J. F. Leyer, a rare hot one of extra shape, fine head and the best of condition. First hen and first pullet were both of the class to win in type and condition. The average quality in this class was very high and bids well for the Leghorns in that section.

White Rocks brought out many choice birds in both males and females, a few of these in young unfinished.

Orpingtons in whites were great. First cock a beauty and the first three cockerels extra strong birds. Females among the best, and many of them. Head points very good.

Buff Orpington are real quality here. First pen well shown and of good color, very clean.

In Black Orpingtons two of the best cockerels we have seen; both had combs

cut, the owner thinking they would be disqualified if they had more than five spikes, so cut out one on each. He will know better next time. Other classes well filled, making a large and evenly balanced show. The hall is large and light excellent. Cooping of the best and, with perfect management, it was a clean and ideal exhibit for which all members and officers deserve great credit. Mr. J. F. Leyer, the secretary, is a hustler, besides a true fancier. We were pleased to meet him and all, for our visits there were well enjoyed.—H. P. Schwab.

## THE BAY CITY, MICH., POULTRY EXHIBIT.

Alive with enthusiasm, we found a regular hotbed of chicken fanciers at Bay City show, held December 17 to 21, 1912. They are there forty strong and with a line of birds in all varieties that show the real interest of these breeders.

They had a good show, plenty large and with quality to spare in most every coop. This year they were handicapped in getting a proper show hall. But in future expect to secure the armory. Then with good light and proper room they will surely hold as choice and select a show as one could wish to see.

The White Wyandottes were one of the largest classes in numbers and one of the very best in general quality. The winners here were all worthy, with

grand type a feature. Good head points were also in evidence. The first cock was a grand old winner with every quality to commend him; first hen one of the best in type we have ever seen, a beauty well shown, nice head and rich red eyes. That hen can win any show. First and second cockerels rare birds, as were also the winning pullets. The hen is owned by Mr. Robert L. King, treasurer of the association.

The Barred Plymouth Rocks filled half the coops down one row, and while several were shown in a careless manner, with black feathers, there were still enough well shown to make a fine class. The first, second and third pullets showing rare color and barring. First cock a very strong and good bird. Secretary A. J. Copeland is a Barred Rock fancier of merit that will bear watching in future.

White Leghorns were a selected class all through, birds of quality with exceptional condition were here. First cockerel, shown by Mr. R. Gillespie, is a bird of promise with size and the best of type. Tail carried properly; first pullet one of the best in quality at the show. She won special for best bird shown, competing in a close race with first hen and first White Wyandotte hen. A pullet shown by David Rabideau won well. She has a beautiful head with most excellent comb.

White Rocks, S. C. Brown Leghorns, S. C. Buff Leghorns, Houdans, etc., were also seen to advantage. Several ex-



## SINGLE COMB WHITE LEGHORN'S "THE MONEY-MAKERS"



Trap-Nested "Standard" Bred  
Pedigreed Line Bred

They also won eight firsts out of possible nine in three shows; five firsts and four seconds in another, and many choice winnings at Illinois State Fair, 1912, and Illinois State Show, 1913. Catalogue free. Mention A. P. J. when writing;

I. A. ENGLE :: ::

LATHAM, ILLINOIS

## Pagel's Non-Freezing Drinking Fountains



The only non-freezing fountain on the market without the use of lamps or valves. Simply fill with warm water once every 24 hours. So constructed, the water will remain warm.

### Pagel's Non-Clog Economy Dry Feed Hopper

Saves the Feed : Increases Egg Production

Two of the simplest, handiest and most useful poultry appliances made. Warm water in winter. Feed when nature demands. Use our poultry and house powder for best results. Inquire at your dealer, or write to us for prices and descriptive literature. We guarantee every article in our line to be absolutely as represented.

Pagel Poultry Supply Co., Manufacturers  
Lock Box 211 :: :: Rockford, Illinois





ceptionally fine birds were seen in all these.

Rhode Island Reds were also one of the large classes with plenty of quality seen in the many coops.

S. C. Black Minorcas were another good sized class that were well shown with color and type seen to great advantage.

Orpingtons are popular in this section and the Whites, Buffs and Blacks were seen in good numbers, sound color the feature.

Bantams of all leading varieties were shown here. Supt. Roland Schafer was in his glory for his Black Cochins pullet won a special for best bird and with it several articles of use.

Pigeons also are popular here and several pairs of leading varieties were shown, some being of most beautiful quality.

We look to the future for a great show at Bay City. They have the breeders and birds there and with comparison judging are sure to draw the best in the state and from other sections as well. The officers of the association are President, R. Gillespie, Essexville, Mich.; vice-president, Frederick G. Eddy; treasurer, Robert L. King; secretary, A. J. Copeland; superintendent, Roland Schafer, all of Bay City. They have a large membership and put out a long list of specials bound to attract.

## \$1.00 SECURES 100 CHICKS OR EGGS

Have your order booked early and avoid disappointment. We only ask \$1 deposit per 100. Wyckoff-Blanchard Finest White Leghorns—Line bred twenty years for fancy points and heavy laying. 57 acre-farm. 900 breeders. 5,000 chicks a month. We guarantee safe arrival of eggs and chicks and 90 per cent fertility. Catalog free. Eggs, 15 for \$1.50, 100 for \$5. Chicks, 50 for \$5.50, 100 for \$10. Chks. \$3 to \$10.

Missouri White Leghorn Farm, Box A, Valley Park, St. Louis Co., Missouri

## My Columbian Wyandottes

At the great Chicago show, won first cock, first hen, first and second cockerel; first, third and fourth pullet; first pen and first display. At the Minneapolis show, first, second and third cockerel; first, second and third pullet; first and third hen, fourth and fifth cock, first pen and first display. Mention A. P. J. when writing.

Geo. A. Kersten : Washburn Park, Minneapolis, Minnesota

## SILVER WYANDOTTES

EXCLUSIVELY

Our Winnings for the Winter of 1912 and 1913, to Date:

Place	Date	Cocks	Hens	Chks.	Pul.	Pens	Specials
Omaha, Nebraska.....	September	1-3	1-2	2-3	1-3	1	3
Little Rock, Arkansas.....	November	1-2	1-2-3-5	2-3-4	1-2-3-4	1-2	8
St. Louis, Missouri.....	November	2-3-4-5-7	1-3-4-5-7	1-2	1-2-4-7	1-2	36
Sioux City, Iowa.....	December	2-3	1-2	1-2-4	1-2-6	1	5
Granite City, Illinois.....	January	1-2	1-2	1-2	1-2	1	10
Springfield, Illinois.....	January	1-2-3-5	1-2-4-5	2-3-5	1-3-4	1-3	10

We have a large part of these birds for sale. If interested get prices. Also a large stock of utility birds, good breeders and other show birds for sale at right prices. No eggs, no baby chicks.

A. & E. Tarbox, Box A, Yorkville, Illinois



## ANDREWS' WHITE WYANDOTTES

Boston Winners Again. 1913—In strongest competition ever known, first pen, second, fourth and fifth cock, second and third hen, second cockerel. Remember I hold the world's record of winning at Boston every year for the past sixteen years. Six first pens in the last seven years. Three first cockerels in the last four years. Four second cockerels in the last 4 years. A few grand breeding males left that will do you good. Send for mating list showing winners. Eggs from finest matings ever bred, \$10 per fifteen, \$18 per thirty, \$25 per forty-five. Book early

J. W. ANDREWS  
BOX A -- DIGHTON, MASS.

We found all to be good winners and grand losers and to our mind are ideal fanciers worthy of every support. We thank them all for many favors shown.—H. P. Schwab.

### THE DALLASTOWN, PA., SHOW.

This was our first trip to the Dallastown, Pa., show, held November 25 to 30, 1912. We know this section to be filled with fanciers and breeders and that during the year poultry shows are held at every crossroads in this part of the state, for it is alive with poultry and there also will be found breeders who have won their way and have made for themselves a national reputation in Barred Rocks, Silver Wyandottes, etc.

The show was a large one, completely filling the large building in double rows, which also was a good show room with fine light.

Several of the classes were extra large and teeming with quality. This was the case in the Barred, White and Buff Rocks, Silver and White Wyandottes, White Leghorns, White Orpingtons, etc.

In Barred Rocks the going was very strong and the winners very strong birds. First cockerel a very promising bird. First and second cocks very good. The winning hen a beauty of the best quality and first pullet also one of the

best, the shade of color with style of barring just the kind we desire. Shape very nice. The winning hen and pullet were shown by Mr. J. W. Smith, Dallastown, Pa., and are of his best line that made such a great record at Baltimore last winter. His specialty is the female line, of which he has made a great success.

The Silver Laced Wyandottes were surprising in numbers with close to one hundred birds shown. Type was very good and color and markings far above the average. First hen a wonder in color and first cock and cockerel extra in shape and color. Good heads were the rule.

White Orpingtons a choice collection, well shown. Condition was a feature in these. The birds were in the best of shape, well washed and of a most pleasing quality. The male birds were of extra shape and finely finished.

Buff Rocks are strong favorites here and it is seldom we see a better quality class than was shown here. The winners were of pure sound buff color, even, and grand undermarking, a very select collection all through.

White Rocks were not so large a class, but the winners were all very good clean birds.

White Wyandottes featured in males, which were above the average found and with nice heads. Females were not ready in most cases. Still there were many nice birds there.

In S. C. White Leghorns the entry was great and the quality greater. It was a delightful class to handle, with conditions a feature.

In most all other varieties there were good entries, making the exhibit one of class and complete in detail. The officers have every reason to feel proud of their show and we hope it received the support due.—H. P. Schwab.

### THE LOUISVILLE SHOW.

The first annual exhibition of the South Central Poultry Association was held in the Armory at Louisville, Ky., Dec. 23-28, 1912, and notwithstanding the fact that the holiday festivities affected the attendance to a certain extent, it was a great show and a grand success. The exhibit was large and the birds of superior quality. A stock company was formed which consists of practically the same membership as composes the Mid-west Poultry Association.

The Armory is one of the finest buildings to be found in which to hold a poultry show, the lights being the very best, which, of course, make the bird show off to the very best advantage. Louisville is certainly a great place to win, as the hospitable southerners are there with their cash and good sales are made. The southern field is rapidly opening up as a market for high-class birds. At the Louisville show there were six special classes added in the Barred Rock classes and many costly and beautiful cups and specials were given for most all varieties.

Every breeder of really high-class birds should count on Louisville for next season.

Among our advertisers who were successful in winning the lion's share are: Blue Ribbon Poultry Farm, Columbus, Ind.; H. B. Seranton, Rising Sun, Ind.; Longfield Poultry Farm, Bluffton, Ind.; Guy Daily, Jeffersonville, Ind.; Mrs. Reginald Stonestreet, Nashville, Tenn.; A. E. Martz, Arcadia, Ind., and N. P. Easling, Pekin, Ill.—H. H. Coburn.



# CHICK CHATS

by H. P. Schwab

1912-1913—the greatest of all show seasons.

\* \* \*

Records have gone to smash all along the line.

\* \* \*

Greater entries, greater attendance and larger sales.

\* \* \*

With a quality crop the harvest promises the best ever.

\* \* \*

Now look to and plan for the future—the best is yet to come.

\* \* \*

The dates for the next Boston show are January 13 to 17, 1914. Put that in your book and don't forget it is American Beauty Show.

\* \* \*

For president of the A. P. A., Mr. E. B. Thompson, Amenia, N. Y., sounds well to us. We are for a sound and substantial breeder for that office, and in Mr. Thompson we surely have a capable breeder.

\* \* \*

Mr. H. V. Crawford has retired from the Madison Square Garden (New York) Show—at least as its secretary and manager. While we regret this, we must admit that he has served his time and has well won the everlasting gratitude of the breeders for the great work

he has done for Standard-bred poultry. The New York Show in all its greatness will ever live in memory as the greatest monument to a great man.

\* \* \*

If we have mild, rather summer-like weather all these winter months, what will we get when springtime comes again?

\* \* \*

Before marriage a fellow promises he will never deceive his wife; after marriage he finds he can't.

\* \* \*

Phenomenal records at the great shows this year are the rule. Mr. E. B. Thompson with his "Ringlet" Barred Rocks set a new mark for the M. S. Garden Show. It was a complete victory, won in the most brilliant class ever shown. During our nine years' service at this show we have never seen such uniformly high quality in all the classes as was had this year.

\* \* \*

In White Wyandottes the "Little Napoleon," A. J. Fell, won four of the five first prizes just as natural as could be and without turning a hair. He had the goods with him, is what they all said.

\* \* \*

In Black Minorcas the "Yama Farms" are pulling down ribbons yet,

and they also were well placed on their Barred Rocks.

\* \* \*

In White Leghorns, D. W. Young exhibited his wonderful Leghorns, making a beautiful record. That line can't be beaten.

\* \* \*

John W. Poley, of Buff Rock fame, did his usual stunt, which is quite natural for him; while he breeds the yellow-colored birds, he has an unusual desire for blue in ribbons.

\* \* \*

Foxhurst Farms Black Orpingtons made a clean-up, winning all first prizes and then some. As Richard would say, can you realize it?

\* \* \*

Haldie Nicholson won four firsts with his Blue Orpingtons in a great class, but this did not satisfy him, for he reached over in the Barred Rock class and stole the first cock prize also.

\* \* \*

Other records were made, and we will try and give all fully in our report of the show.

\* \* \*

Politics in the A. P. A. are booming, which reminds us of—

**The Glad Hand.**

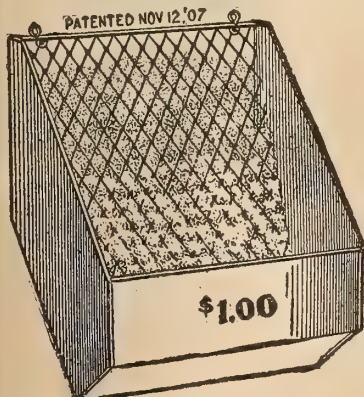
"Now when he shakes you by the hand, with compliments real stunning, The thought on which you quickly land He is for office running."

\* \* \*

The "Flea" banquet was held on Wednesday evening, with Grand Flea-Bite-H.-K.-G. Col. Lewis Paul Graham as toastmaster. The colonel is in the select class of fleas and promises to soon place them on every breeder. Listen—we are going to make this an

## Don't Throw Money Away!!

You Do Just That When You Allow Fowls to Scatter and Waste Their Food by Day and Allow Rats to Carry Off the Grain in Large Quantities at Night.



### The Boston Hopper — The Rat-Proof Hopper

**T**HIS HOPPER is the ingenious, money-saving, *Automatic* food receptacle that has made the *Dry Feeding Method* a country-wide success. This line of Hoppers was placed on the market in the fall of 1907 and has met with a phenomenal sale throughout the United States and Canada. *It is Waste-Proof in daytime and Rat-Proof at night.* The saving in feed will pay for the Hopper in one to four weeks' time, depending on the number of fowls that use it.

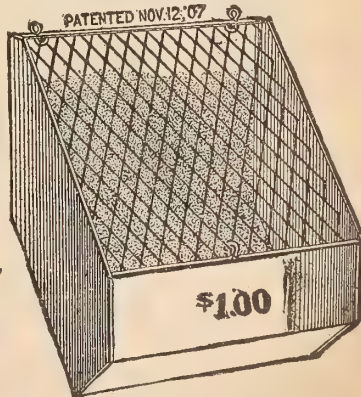
**BOSTON FOOD HOPPERS** are made in four sizes—two sizes for adult fowls and two for chicks. Illustrations herewith show popular size for adult fowls. For pictures

Hopper Ready For Use. Holds One-half Bushel. Made of GALVANIZED IRON with Swinging Grid (Mesh).

of other sizes, see page 159 of our Complete Catalogue and Poultryman's Guide for 1913, "Profitable Poultry and Egg Production"—244 large pages, 500 instructive illustrations—mailed *Free* to any address, or send a postal card request for our 54-page booklet, "Poultry Foods and Feeding," the most valuable condensed treatise on this subject ever published—both books *Free* for the asking.

**THE BOSTON FOOD HOPPER** hooks against the wall or can be placed on the floor or ground. The *Swinging Grid* or metal guard prevents the fowls from wasting the food. The Hopper can readily be "locked" at night (or in the daytime) by simply hooking the grid to the front section at the lower end, thus making the device rat-proof.

Buy a sample Boston Hopper from the dealer of whom you get your poultry supplies or order one from our nearest place of business—see addresses below. Price of half-bushel size, \$1.00. Will last a lifetime. Write today for 54-page *FREE* booklet. Tells about Dry-Feeding Method. Satisfaction guaranteed or your money back.



This Hopper is Locked For the Night, by Hook in Lower End, Making it **ABSOLUTELY** Rat-Proof.

**CYPHERS INCUBATOR COMPANY, Dept. 701**

Branches: New York City  
23 Barclay St.

Boston, Mass.  
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**Buffalo, New York**

Oakland, Cal.  
1569 Broadway  
2000  
Selling Agents



association of at least 10,000 members by another year. Hamburg Bill is in—so are all good fellows.

\* \* \*

At the American Barred Rock Club meeting held at Charlotte, N. C., January 11, 1913, Mr. Henry D. Riley, Stratford, Pa., was re-elected secretary and treasurer, and I am proud to say the meeting honored me with the office of president. I thank all for the honor conferred.

\* \* \*

Mr. Riley has done splendid work the past year. The club is in most excellent financial condition, and we will now hope that every breeder and lover of the "World's Favorite Variety" will join us and aid in our efforts for greater prosperity. A full account of the meeting will be given elsewhere. A new club catalogue will be issued, and we want all in this. Write to Mr. Riley for blanks and particulars.

\* \* \*

The Boston banquet was again a feature, with close to 200 breeders present. Toastmaster Atherton was at his best, and a most enjoyable time was had. The orators were heard to advantage.

\* \* \*

Secretary S. T. Campbell has proven himself to our mind the best officer the A. P. A. has ever had, and we earnestly hope he will again be re-elected, for he deserves the best the members can give him. He is at all times prompt and efficient, and his personal work and

efforts have done more for the association than that of any other man or set of men.

\* \* \*

The members are awake to their best interests and well know who is under the cloak of opposition, and they will elect Mr. Campbell by a four-to-one majority.

\* \* \*

Mr. Lawrence Jackson, Haysville, Pa., exhibited his R. C. White Orpingtons at the New York Show with great success. We were surprised to see the wonderful type he has bred in his line; they have the same ideal shape seen in the best single combs to date.

\* \* \*

A well-known line of Barred Rocks is offered for sale, the owner being obliged to sell on account of other business interests. This line has a grand winning record, and if interested write for further particulars.

\* \* \*

The Knockers' Club was out in full force at New York.

\* \* \*

The mayor of Charlotte, N. C., welcomed the visiting breeders at the show, and Mr. H. D. Riley responded in an eloquent manner to his honor's address, after which a reception was held. Affairs of this kind go a long way in creating interest in "better poultry."

\* \* \*

A pleasing feature of the New York Show was the number of visiting breed-

ers from every section of this country and abroad. There was enough to be seen there to interest all, for the select of poultrydom was on display.

\* \* \*

Mr. F. J. Eppele and wife, Stockton, N. J., were hosts at dinner to Mr. and Mrs. D. W. Young and some friends, which included noble blood in Baron Von Ginck, Monsieur de Frankus Platt, etc. Mr. Eppele had just come from the Baltimore Show, where his S. C. White Leghorns had won first pullet and fifth pen.

\* \* \*

Depend upon this: The man who has never made a mistake has never made anything else worth a darn. The successful business man does not count his mistakes. He takes note of his successes.

\* \* \*

The great Pittsburg Show, February 17 to 22, will close the most prosperous season ever had. It is the closing event of the season and for sixteen past years. This year it will be an event of special interest. Write Mr. Geo. C. Sutch, secretary, for all particulars. Pundy, Bean, Poley and your's truly will be there.

\* \* \*

On our way to Boston we spent a day with C. H. Welles of "Fluffy-Ruffles" fame. His Barred Rocks are the best we have ever seen in the female line, of which he makes a specialty, and on account of his judging at New York this season he could not show. If you have wants in this line, write him, for he has over a hundred select pullet-breeding males to sell, and they are of the most desirable breeding quality.

\* \* \*

Mr. Newton Cosh should be a happy man with the record he has made for the "Yama Farms" Barred Rocks and S. C. Black Minorcas this season at New York and Buffalo, also at the State Fair. At Buffalo this week they won four first prizes in both varieties.

\* \* \*

Mr. L. O. Kettering and Mr. J. P. Hildorfer, both of Pittsburg, were welcome visitors at New York. Mr. Kettering's Orpingtons were in the winning there, while Mr. Hildorfer grabbed the honors at Baltimore with his Jumbo line of S. C. Black Minorcas.

\* \* \*

Some people never take a fellow seriously until he tries to tell a joke.

\* \* \*

"French's Poultry Mustard" is the original and reliable poultry mustard. Insist on this brand. We are using it daily with both our dry and wet mash. Results show it helps fertility, and that is just what we all want. If you will try it you will be satisfied.

\* \* \*

First Barred Rock hen at New York was won by Mr. C. N. Myers, Hanover, Pa. He has shown there before, but this was his first win. Keep trying.

\* \* \*

Cockerel and pullet mating pens of Barred Rocks attract a great deal of attention at all shows where exhibited. They are of particular advantage to the breeders, and we hope all associations will consider this for their next shows and make proper classes for such matings.

\* \* \*

That proper, clean and consistent underbarring is of value and positively essential to the best of surface color in Barred Rocks has been amply proven at the shows again this season.

## Payne Bros.' Rose Comb Reds

Win at Madison Square Garden, the "Quality" Show of America—1st cock, shape and color special, 1st pullet, color special, 5th hen, 3d pen. At the big Boston show, 1912—1st cockerel, 1st pen, 2d hen and six other ribbons on nine entries. If you want the best in stock and eggs, write us. Mating list free Feb'y 1st. Satisfaction guaranteed.

PAYNE BROS. -- BOX J -- PORTLAND, CONNECTICUT

## PRESCOTT'S ORPINGTONS

BUFF, BLACK, WHITE AND DIAMOND JUBILEE

Located in their new home. We are only 23 miles from Boston, on the main line of the B. & M. R. R., which gives us the best of train and express service. We have a grand lot of Orpingtons and are prepared to furnish both old and young stock. If you need anything good in Orpingtons let us hear from you. Eggs for hatching in all 4 varieties.

H. B. Prescott, 75 Salem St., Andover, Mass.

## SILVER AND GOLDEN CAMPINES AND S. C. WHITE LEGHORNS

Baby chicks of quality from these celebrated strains of heavy layers of large white eggs. I make no extravagant and unsubstantiated egg record claims; each year our chicks are bred from birds whose performance is measured by their egg yield, having thus earned a reputation in heavy egg production. At Cleveland, January, 1913, our Silver Campines have shown by their winnings (two firsts, one second, one fourth, one fifth, on an entry of six) that utility and show values can rest in the same birds. Now is the time to book your order for either baby chicks or eggs for early delivery. Our prices are right and we guarantee to please. Catalogue free.

S. D. Hall : Box 78 : Seville, Ohio



# American Poultry Journal Experimental Station

*Dr. Prince T. Woods, Director*

**I**N THIS DEPARTMENT are reported things which have been tried and found good on American Poultry Journal's experimental farms. Just because anything is reported herein as good does not mean that there are not other similar things that are just as good. It simply means that we have tested the article and found it good after a sufficiently long trial to form an opinion of its merits. Please do not ask us to name the best in anything. We cannot name any one article as the best of several of the same kind. It would not be just or fair to many good things, and with varying conditions anything which seemed best under some conditions might not prove best under other conditions. Don't ask us to endorse anything as best. We can only approve of it as good if it is good, and it will have to prove good on one of the A. P. J. experimental farms before we will report it as good. This department began in January, 1913, American Poultry Journal. Unless there is special reason for doing so we do not intend to report on the same article more than once, therefore keep your lists for

reference. No favors are asked and none will be granted. Any poultry equipment, supplies, foods or remedies may be tested when opportunity offers. We do not promise published reports except when the articles are found sufficiently good to warrant recommendation in these columns, or when sufficiently bad to warn poultrymen against them. We do not solicit articles for test or trial. Donated goods if sent freight or express prepaid to the Director of American Poultry Journal Experiment Station, Plympton, Mass., or by mail to Silver Lake, Mass., will receive the same careful consideration as goods purchased for test. That is all we promise and no concessions will be made to anyone on account of any favors.

## Things Tested and Found Good. Incubators.

Standard Cyphers Incubators, 360-egg capacity, second-hand 1905 pattern, hot air type, made by Cyphers Incubator Company, Buffalo, N. Y. Period of test, one year. Two machines tested. Hatches excellent. Chicks large, strong and vigorous and lived well.

## Foods.

Buffalo Gluten Feed, Corn Products Refining Company, New York. Quantity tested, ten tons. Period of test, one year. Varies a good deal in color and quality. Manufacturers claim dark-colored feed equal to the lighter-colored golden brown feed. We have found the dark feed rather acid and less desirable. The golden brown gluten feed has given us best results with chickens, fowls and cows. Gluten feed makes a desirable addition to both dry and moist mash as a protein feed. For poultry we used about 14 per cent of the total dry mash mixture. For cows about 25 per cent of dry grain mixture fed. We believe that gluten feed helps to make better eggs, better meat and better milk.

Dried Beet Pulp, Larowe Milling Company, Detroit, Mich. Quantity tested, one ton. Period of test, nine months. Beet pulp fed either wet or dry is relished by chickens above six weeks old and by fowls of all ages if not fed too heavily. No ill effects were noted from feeding unless the pulp soured before eaten. Wet pulp sours quickly in warm



## YOUNG'S STRAIN S. C. W. LEGHORN

(I HAVE NO OTHER BREEDS)

My strain won every prize and special offered at the world's greatest show, Madison Square Garden, New York, January, 1913. My individual winnings were:

**Cocks, 1-3-4-5-6; hens, 2-4-5-6-7; cockerels, 1-2-3-6-7; pullets, 1-3-5; pens, 3-5.**

In fact, for the past ten years, my strain has won in every show of any note in the United States and Canada. They are the standard for all the Leghorns of America, and the greatest layers of all varieties of domestic fowl. I have hundreds of cockerels for sale that can win anywhere, and after winning will improve your stock for eggs and exhibition points. (Remember you cannot win without my strain). Matting list free. Address

**D. W. Young, Monroe, N. Y.**

WINNER OF FIRST & SPECIAL PRIZES, DEC. 1923, 1911  
MADISON SQUARE GARDEN, NEW YORK.  
BRED & OWNED BY D. W. YOUNG, MONROE, N. Y.



weather. For best results the pulp should be soaked before feeding. One pound of dried beet pulp requires about  $4\frac{1}{2}$  pounds of water to put it in best feeding condition. It is best fed plain, allowing the fowls to consume what appetite demands. If fed in a moist mash use about 15 per cent (bulk) of wet pulp. It is difficult to place the actual value of this food in the poultry ration. We have not noted any special benefits which accrue from feeding it. It is not a substitute for fresh greens or for cut

clover or cut alfalfa. As a bulky vegetable food, where fresh greens or fresh raw vegetables are difficult to obtain, beet pulp proves a good, efficient, cheap vegetable food for poultry. It is clean, easy to keep, easy to handle and easy to use. Cattle like it and it helps out the milk yield and lessens the food cost. The poultry keeper who finds it difficult to supply fresh greens and raw vegetables will find beet pulp a good cheap bulky vegetable food. It cannot take the place of sprouted oats, raw

green food or raw vegetables. It is preferable to rotted or frosted vegetables.

Red Star Brand Fish Scraps. International Glue Company, Boston, Mass. Quality tested, 1,000 pounds. Period of test, four months. Claimed to be made from fresh sound fish heads direct from the Boston fish wharves. Contains about 55 per cent protein, 30 to 35 per cent bone and 2 per cent fat, according to analysis supplied by manufacturer. A good food for use in mashes for growing chicks and for breeders and layers in the proportion of about 5 to 10 pounds added to 100 pounds of dry grain mixture.

Fresh Fish. Fresh caught waste fish and fresh, sound, clean fish waste from both salt and fresh water fish, scalded with boiling water, allowed to cool, and fed freely bones and all to growing chicks proves a wonderful help to rapid, strong growth. For laying fowls must be used sparingly or will give a fishy flavor to the eggs. Used for several seasons with good results. Not fed to fowls kept for production of table eggs. Believed to help hatchability when fed to breeding stock.

#### Equipment.

Common Bushel Box to be had for 25 cents from any box factory makes a very satisfactory food hopper for dry mash, scrap, or whole grain. In use the entire season. Sits on floor of house and is very seldom fouled with droppings.

Galvanized Separable Drinking Fountains and Chick Servers, made by Cyphers Incubator Co., Buffalo, N. Y. Four dozen in use through season. Convenient, easy to clean and sanitary. Used for brood chicks in brooders and with hens.

Galvanized Iron Pails. Three sizes, 8, 12, and 14 quart. Used for growing chicks and adult fowls for daily water supply. Convenient, sanitary and satisfactory. Low cost. Can be had of any hardware store. In use throughout the season. Four quart galvanized pans used for water for growing chicks too small to use pails.

#### Disinfectant and Remedy.

Pyrocarbol, Eastern Drug Company, Boston, Mass. A good cresol disinfectant. Amount tested one gallon. Period of test six months. Tablespoonful in gallon of water useful as a head dip for fowls with catarrhal colds. One gill in two gallons of water effective disinfectant for use in cleansing brooders and spraying coops.

Fresh Ground Persian Insect Powder, (imported pyrethrum), Eastern Drug Company, Boston, Mass. Thoroughly tested several seasons. Very effective dusting powder to rid chicks and fowls of lice.

Napereol, Cyphers Incubator Co., Buffalo, N. Y. Quantity tested, two gallons. In use several seasons. A good cresol disinfectant. One tablespoonful in gallon of water makes a good head dip for treatment of fowls with catarrhal colds. One gill in two gallons of water makes a good disinfectant for cleansing and disinfecting incubators, brooders and coops.

Lice Paint. Home made. Dissolve in kerosene all it will take up of crude fine naphthalene flakes. In use 18 years. Useful and effective for painting roosts and spraying about coops and droppings boards. Effective when applied to legs in case of scaly leg. Caution: do not get on the soft parts, as kerosene will blister the skin of fowls.

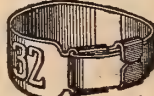
### The Favorite.—LEG BANDS.—The Capital



Six sizes

Our bands are strong, durable and made from aluminum; have smooth edges and lock with double clinches, numbered with large RAISED FIGURES. Prices: 12 for 15c; 25 for 25c; 50 for 40c; 100 for 65c. Always state which kind are wanted and what variety they are for.

CHAS. L. STILES, 233 N. Third St. COLUMBUS, OHIO



(adjustable)

## SEARS' BARRED PLYM. ROCKS

Are winners wherever shown. Cockerel bred. Bradley's female line "Fluffy Ruffles." Some choice breeding and exhibition birds for sale at prices that will move them quick. Write for what you want. Please mention American Poultry Journal when writing.

H. O. Sears : Garden Prairie, Illinois

### EGGS FOR HATCHING ——— EGGS FOR HATCHING AND CLOVERNOOK'S

## WHITE HOLLAND TURKEYS

White African Guineas, White Japanese Silksis and Wissahickon White Wyandottes—Great birds, great layers, great hatchers. Great bargains in non-related stock. Choice Pekin Ducks. Write for prices. Also fine Strawberry plants, "The Clovernook Beauty." Mention American Poultry Journal.

Miss Frances E. Wheeler : : Chazy, New York

### WHEN YOU WANT SOMETHING EXTRA GOOD IN WHITE ROCKS

Eggs, stock or day-old chicks. Our famous "Crystal Strain" Eastern Champions will win and lay to please the most exacting. Our Camden and Ambler winnings in 1-2-3 order, again demonstrates their superiority. Only vigorous, farm reared, trap-nested, individual pedigreed stock of exceptional shape and quality bred or offered. Let us book your order now for future delivery and avoid disappointment. Red stamp brings our interesting catalogue. Mention American Poultry Journal.

The Model Farm, C. G. Mueller, Prop., Box 542, Lansdale, Pa.

## BLACK LANGSHANS & INDIAN RUNNER DUCKS

Brookfield Farm birds are Maryland's beauty and quality strain. They have been winning regularly at Baltimore, Allentown, Hanover, Hagerstown, etc., and have proven their worth as well for practical purposes.

Black Langshans—Have won first cockerel at Hagerstown two years. My 1912 champion was pronounced one of the best ever shown. Shape, size and sound color are features. For all purposes there is no better bird bred. They are hardy and great layers.

Indian Runner Ducks—Have made a sweeping record with these in the best of classes. My drake "Edward" has an unbeaten record at six great shows. Let me know your wants in either of above for exhibition or choice breeding quality. Pairs, trios and pens properly mated. Selected breeding cockerels a specialty. Satisfaction assured. Prices right. Mention American Poultry Journal when writing. Address

Mrs. F. Littlefield, Box A, Middleburg, Maryland



# Home and the Table

## Good Things for Everybody

Allen T. Woods  
Editor

SOMEONE HAS SAID that the age of invalidism is past, since all right-minded people are aiming to be healthy. We are more and more realizing that the blessing of health, at least to a great extent, lies with ourselves. The woman who wants to undertake any line of work or who aims to accomplish anything worth while must see to it that she keeps herself fit. It is no longer fashionable to be pale and anemic or to appear weak and frail. We are learning to eat three square meals a day, taking time to masticate them properly; to get out of doors all we can; to sleep with our windows wide open; and to see the cheery side of things generally. Because we smile frequently or indulge in righteous laughter easily, we are no longer considered light-minded or even foolish, as in generations past. How much of this is due to our better methods of living would be hard to determine, but certainly a great part of it is directly the result of a better knowledge of the importance of fresh air.

In every home where there are children the mother knows how difficult it

We are builders, and each one  
Should cut and carve as best he can.  
Every life is but a stone,  
Every one shall hew his own.  
Make or mar shall every man.

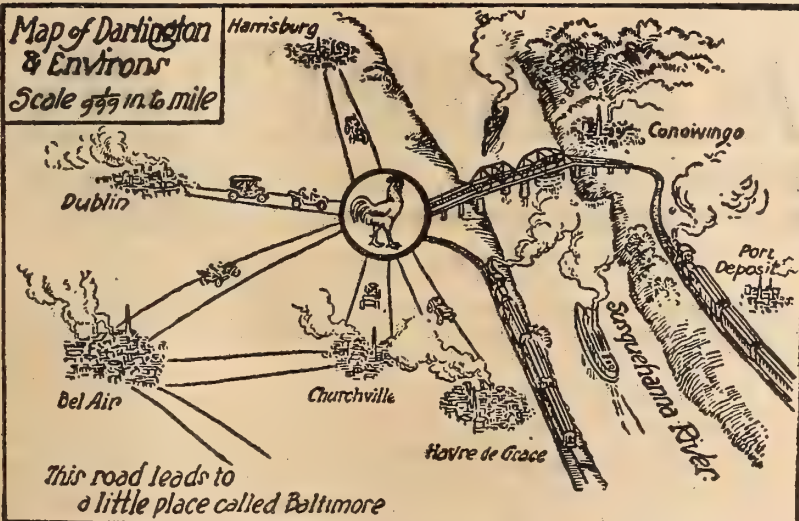
—Anon.

is to keep them free from colds and similar ailments during the winter months. This is particularly true where they are confined the greater part of the day in a poorly ventilated school room with many other children. In such cases the best thing the mother can do is to keep the child in such condition physically that he will not easily take on a cold or other ailment. The food given children should be simple and well cooked and sufficient variety given the menu that the child will not tire of its sameness. The length of time given to eating should be encouraged and the child made to understand that only by thorough mastication may he hope to get the greatest good from the food consumed. He should be allowed to play out of doors in all seasons and clothed according to the weather. During cold weather should the child get his clothing wet

it should be changed at once, and in the case of wet feet shoes and stockings should be at once removed and the feet placed in as hot water as can be borne for a short time, when dry clothing may be again put on with no fear of resulting cold. The year round a window of the sleeping room should be open during the time the child is asleep therein. There is no better way of preventing colds than this. Have the child warmly clad at night, first removing all clothing worn by him during the day, to then don a warm sleeping garment with feet, if necessary, but always one that will cover him well and that is comfortable next to the body. The bedding should be light and warm and sufficient of it should be used to keep the child entirely comfortable. The coldest air will then not harm him if his bed is not directly in a draft. With very young children a hot-water bottle should be placed at the child's feet. Dressing, undressing and bathing should be done in a warm room.

If a child shows a slight cold in the head, see to it that his nostrils are thoroughly cleared before going to

Map of Darlington  
& Environs  
Scale 3/4 in. to mile



## DON'T BE A CLAM

### Map of Darlington and Environs

Chief Products Pretty Girls  
and S. C. White Leghorns

I RECEIVE LETTERS every day and the burden of their cry is "Where is DARLINGTON?" At great expense I publish this map. You will notice we are close to the most beautiful river in the East. There are many stories told about this river, some amusing, some sad. I have only the time and space to relate one. It is said that George Washington once stood on the DARLINGTON shore and threw a silver dollar onto the Cecil bank. (distance one mile.) I can't show the dollar as I have just paid for this adv. put I can show you the probable spot where George stood and where the dollar lit. This should be proof enough for anyone, if not I would say a dollar went much farther in those days than it does now.

You will notice all roads seem to lead to DARLINGTON. This is not the artist's fault. I asked him to show all leading into but none out, he said he could not do this. I discharged him on the spot, this will account for map not looking better. The spot is marked on the map. Anyone wanting to get out of DARLINGTON should be suppressed. You will notice a shad going up river—by request—don't scare him, he is only taking a pair of scales up to weigh one of our eggs and report. If you don't believe it listen for the report, it will be heard much farther than Chicago.

The professional ad. writer is getting much worried about my ads and wants me to stop putting humor in them, as it is sure to offend. If you knew me personally you could not be offended; like Mark Twain, "I would not kill the smallest child." I do not think if you took all the humor in my ads and put it together you could bring a smile on the face of an Egyptian Mummy. Speaking of Mummies; a person brought me an ad already written out and said: "Use that, that will not offend," and it won't. Look here, I remarked, I haven't time today to attend even my own funeral but that ad would just suit Noah but Noah is dead, buried to be exact, for quite a while, but I suppose you had not heard it. He was offended.

Now, if any of you do not like this ad, the next order you send just say so and I will quit. Speaking of quitting, that reminds me:—When you get on one of these roads, if you are not arrested for speeding, you will arrive at DARLINGTON and see the most complete S. C. White Leghorn Farm in the state, it is not only up-to-date but a little ahead.

**Darlington Egg Farm, Alfred P. Edge, Box B, Darlington, Md.**



sleep; place a little vaseline in the nostrils and rub over the bridge of the nose with warm vaseline; place his feet in water as hot as can be borne, roll them in a blanket and put him to sleep in a room with the window open. If the bowels have been sluggish give him before retiring the juice of an orange.

A child's life is made up of habits and it lies within the power of the parents to see that the habits are good ones. A child that is early taught the use of the tooth brush and the value of good teeth will continue to give them good care. It requires constant vigilance on the part of the parent, however, to correct the little errors in standing or in wrong sitting postures, or in mouth breathing or whatever the case may be. At first it may be an easy matter to correct, but once the habit is formed, it is most difficult to overcome.

Good manners and correct speaking should also be taken into account by the parent who would encourage right living. Too frequently these faults are first those of the parent. Children are almost parrot-like in matters of manners and speech. They act and say what they see and hear. Thus training the child in these things lies directly upon the extent of our own training.

The encouragement of traits of industry and thrift in children is one of the most important duties of parenthood, as where such traits are lacking in after life it is to a great extent the fault of the parent. The health and happiness of many individuals is traceable directly to their interest in some useful employment, since happiness is largely a state of one's mind, and health is easily affected by the state of the

mind, it is not difficult to determine what effect a chronic state of idleness will bring about. In connection with this should be considered the ill effect that a constant complaining of aches and pains which one frequently hears on trains and in public places. The long accounts of sufferings in the hospital, the retailed accounts of every ache and pain known to man, which is told in tragic tones and which is of no interest to anyone save one's physician, is most trying to hear. The habit of pleasant conversation should be cultivated in every family, it should be cultivated among friends and acquaintances, while the vice of recalling and recounting all one's worries, troubles and ailments should not be tolerated among friends or allowed to become a habit in one's family. There is no effort so unproductive of good, or no conversation so inane as that which dwells on personal trials and tribulations. The present age demands the health in mind and body of its women. They cannot afford to be weaklings. As the mothers of the race they must overcome a tendency to despondency, the habit of worrying over mere trifles, and cultivating a hopeless outlook for the future. Look for the brightness in life and you will find it. Expect good things, work for them, and you will get them. Keep mind and body in as fit condition to perform the work you plan to do as is possible and have confidence in your own ability to accomplish what you aim for, even though it is necessary to make many and repeated attempts. Most difficulties can be sooner or later overcome by firmly resolving to get the best of them since a firm resolve in any direction means a concentrated ef-

fort, before which any obstacle will in time crumble.

#### Chicken Pot Pie.

By J. M.

Select a large chicken or fowl, cut into pieces at the joints and place in cold water for an hour. Remove this water and cover with fresh cold water and allow it to come gently to a boil and continue to cook until tender. Season with salt and pepper and thicken the gravy with two tablespoons flour and the same of butter, well mixed together, and then added to the hot chicken gravy. Have some light biscuit dough dumplings ready and add to the hot gravy and continue boiling for about ten minutes. Add also one cup of rich milk or cream and serve at once.

#### Cream of Cheese Soup.

By J. M.

Grate a quarter of a pound of cheese and add it to a quart of sweet milk which has been heated to the scalding point in a double boiler. Add salt and pepper to taste. Rub together one tablespoonful of butter with one tablespoonful of flour and add to the cheese and milk mixture, stirring until smooth and slightly thickened. Beat the yolks of two eggs until light and creamy, add a little of the soup mixture, and put into the soup, stir briskly for a moment and serve immediately with croutons.

#### Tomato Bisque.

By J. M.

Place the contents of one quart can of tomatoes with a tablespoon of sugar, one small onion, six cloves, a few pieces

## FOXHURST CHAMPION BLACK ORPINGTONS

WIN FIVE FIRSTS AT MADISON SQUARE GARDEN, N. Y., WORLD'S-GREATEST SHOW

### A CLEAN SWEEP

Thirty birds entered and twenty-two wore ribbons. This is the first time in the history of Black Orpington classes at the New York show that all the firsts have been won by one breeder. Our complete winnings are:

**First and third Cocks**

**First and fifth Hens**

**First, third, fourth and fifth Cockerels**

**First, second, third and fifth Pullets**

**First and fourth Pens. \$25.00 for best display**



Every Champion bird in our exhibit was bred and raised on our farm, to which fact we will make affidavit. The competition was the keenest ever seen in the Garden. The Crystal Palace (London, England) winners were in competition, as well as America's and Canada's best. Birds that were personally selected in England and Canada to win this show were defeated by our American bred, Foxhurst Champion Strain Orpingtons who, in addition to our 1913 record win, have been the largest winners at New York for the past five years. This unprecedented win indelibly stamps our birds as the undisputed Champions of the World.

For eggs from our Champions write to headquarters for 1913 mating list; eggs, remember, from the same matings that we use ourselves. Exhibition stock at reasonable prices on hand at all times. Breeders with same blood as our Champions at from \$5.00 to \$10.00. Satisfaction and safe delivery guaranteed. Write, mentioning American Poultry Journal.

**FOXHURST FARM**

—:—

**LIME ROCK, CONN.**



of parsley, one cup stale bread crumbs, one teaspoon salt, pepper as desired and boil altogether for a few moments. Remove from the stove and strain through a sieve. Reheat and add one-fourth teaspoon soda, a small lump of butter and four cups rich milk. Serve very hot with crisp crackers.

#### Sour Cream Corn Cake.

By G. M. T.

Sift together one cup cornmeal, one-half cup flour, two tablespoons sugar, one level teaspoon salt and one level teaspoon soda. Beat two eggs until light, add one and one-half cups sour cream and stir this mixture into the dry ingredients, mixing thoroughly. Pour into a well buttered baking pan and bake about half an hour in a hot oven.

#### Rich Chocolate Cake.

By G. M. T.

Cream one-half cup butter adding to it gradually one cup of granulated sugar. Beat also the yolks of four eggs until light colored and thick and add to them one cup of granulated sugar, then add the yolks and sugar to the butter and sugar mixture and beat until very light. Sift into a bowl two cups and one-third of flour with four level teaspoons baking powder and add this to the cake mixture, alternately with one cup of rich milk. Fold in the stiffly beaten whites of two eggs, and add one teaspoon vanilla and one-half a cup of grated chocolate (melted over hot water), beat until well mixed.

#### Plain White Frosting.

Boil one cup granulated sugar, a pinch of cream of tartar, and one-third

cup of water until it spins a thread when dropped from the spoon, then pour in a fine stream into the stiffly beaten white of an egg, beating as you pour. Continue beating until stiff enough to stand alone; flavor as desired and spread quickly on the cake. Chopped candied fruit or nut meats may be added if desired.

#### Mocha Frosting.

1 cup powdered sugar  
 ¼ cup butter.  
 2 teaspoons dry cocoa.  
 1 teaspoon vanilla.  
 2 tablespoons hot, strong coffee.  
 Cream the butter and sugar, add the other ingredients and beat until stiff.

#### BROWN LEGHORN COLOR.

Is the Color to Be Red, as the Standard Says, or Brown—By W. W. Kulp, Pottstown, Pa.

THE writer is a great lover of the Brown Leghorn, male and female. They are bold, beautiful in outline and beautiful in color. The male color is red, black and green sheen. The female red, golden brown and salmon. The standard for the male is brilliant red for neck, wing bay and saddle.

What I would like to know is, what is brilliant red? We always say a strong healthy bird's comb is red. A bright red, too, and I would say a brilliant red is even brighter than a comb, but the winning browns in some classes in Philadelphia, Pottstown and Madison Square Garden are brown of neck, wings and saddle. The same color, only more so, was on the winning Partridge Rocks and

Wyandottes. The standard for these two breeds is bright red.

When a woman has a dress about the color that is bred and winning they call it maroon or wine color or brown. I know not all judges like so dark a bird. Mr. Wittman and Mr. Burgott I think prefer the light color. How many more I do not know. But why was the standard made red and the understood color a dark brown? Has the Rhode Island Red color done part of it? For there is but little red about them. The female is brown and most of the males a dark deep brown. If we use a red bird the females will come too light. A rich cherry or brilliant red will surely contrast far better with the black sheen centers of the hackle and saddle feathers than the brown color so many of them have.

I did not see the winning single and rose, but was told by several breeders who saw them that they were all the dark brown type. Of course head and shape were good. In females I have no criticism, the standards seems to be followed, but in males I am sure most of the winners in large class are dark if they are there at all.

At one show I looked over there was a very good class in numbers and shape of Partridge Cochins, Partridge Wyandottes. The males are colored just alike. These males were far darker than the standard and far darker than Geo. Mitchell used to show in Madison Square, and he was the crack color breeder of the world.

I know this, a brilliant red can as easily be bred as a dark much less showy and much less beautiful brown, and be as clean of purple and as clear cut as dark color, for I have so bred them. My

## DO YOU REALIZE

That this season Maple Farm of Midlothian is going to give its customers the "squarest square deal" in eggs from their

### White Plymouth Rocks

that has ever been known to poultrydom?

### JUST THINK

what it means to pick out a number of pens of birds good enough for exhibition matings and then to weed those down until the final result is one-third the pens that were started with. Isn't that a wonderful chance for both the exhibition and utility poultry raiser?

You want to know more about Maple Farm of Midlothian? Drop us a line asking for our new catalog. Our mating list will come too. Get the address right!

**Maple Farm of Midlothian**  
 Box 105, Tinley Park, Illinois

Chas. D. Ettinger, Prop. R. R. Sta., Midlothian, Ill. Walter A. Cook, Mgr.



First Cockerel, Illinois State Fair, 1912



old Wm. Penn S. C. Brown cock that won first in a class of twelve in Madison Square Garden was pronounced by different judges to be one of the best colored browns shown. He was a red and broad of feathers. The standard today calls for as red a color on neck and saddle as it did then, if not more so, yet the leading birds are much darker in the red sections. What has brought the change?

I can breed brown birds as well as red birds, but it hurts me to do it. It hurts to have a clean cut red color put lower than a dull color not as clean and comb much poorer, and ask why. The answer is, "Your bird is too red," when I know he is standard color.

### "FORWARD! FOR CORNISH."

By John M. Ward, Jr.

TO QUOTE the words of a well known western breeder of Dark Cornish, I am "cock-sure" that the present boom that the Cornish fowl is enjoying is no sudden burst of enthusiasm but "a substantial, gradual growth in popular favor of one of the best breeds in existence."

I would like to, if space in this valuable journal would permit, go back and relate, point out, tell you what I know of the "uncovering" of the Cornish several years ago, of an awakening by some gentlemen throughout the East and West to the fact that here we had a breed, a breed in a true sense of the word, a variety of our feathered

friends that would stand pushing because, in plain language, there was something to push. However, space will not permit, and I must briefly tell you of a fowl, first, that deserves prominence; second, of a club that is growing, not monthly, but daily, whose members are putting the variety on the map, and lastly, of the way Cornish have come "out" in the last year at three of the country's most prominent shows, namely, Allentown, Pa., a genuine fanciers' show; Hagerstown, Md., where the masses gather, and Baltimore, of the same state, where they have an exhibition hall second to none in the country, in which every year a show is held of which the same thing can be written: second to none. And I might add, the growth of a class at a big show is as sure a sign of the rise in popularity of a variety as there can be.

I said the fowl deserved prominence. That we were pushing a breed that was not an air bubble but a reality. Only last Tuesday night, November 12, 1912, Mr. McGrew, of Scranton, Pa., a gentleman known by poultrymen the world over, said in a lecture at Trenton, N. J., before a crowded hall, that the "Cornish and the Dorking were the idols in the poultry world of England." Going further, this gentleman said that not only were Cornish shown in large numbers in the exhibition halls but were bred for utility as well as the best table fowl that could be purchased, and at the same time a fowl that would lay a reasonable amount or number of eggs. "Feathered Life," an English

poultry journal, commenting on the Cornish class at the recent dairy show, said: "But the most interesting class were the Indians, which provided an object lesson in the business—shall we call it art?—of growing heavy boned chickens. Some of these clever Indian game breeders might be able to give a few useful hints to raisers of quick growing table kinds." Judge Geo. Faulkner, of England, in a comment in the "Feathered World" year book of 1910, writes: "The Indian game fowl still holds its own as one of—if not the most beautiful variety grown, combined with table quality not excelled by any other." These few quotations are the words of men on the other side, men who, living in the country in which Cornish originated, are certainly qualified to pass judgment upon and tell us something of the breed.

However, all of the above remarks touch either on the exhibition or meat value of the fowl. I turn to home records to show you of their egg laying qualities. In the first "North American" egg laying contest at Stores Point, Conn., a contest that was completed less than a month ago, there was a pen of Dark Cornish in competition composed of five hens, four of which were one year and a half old, the other one being two years and a half old when the contest opened. The pen hung up a score of 560 eggs for the year, an average of 112 eggs per hen, and one week leading the 99 other pens with a score of 30 eggs out of a possible 35 for the 7 days. True, this score is a long way from some of the records that were made for the 52 weeks, and as a Cornish fancier I do not claim that Cornish would be a paying proposition for eggs alone, but as a "has-been" on the diamond where a close decision was given the "benefit of the doubt," so we must consider that these birds were all over two years old when the contest was at its height. Again I claim, and am not alone, that while on a commercial egg farm eggs they must have, that a hen that lays from 100 to 130 or so eggs a year stimulated simply by good foods; not by drugs, etc., is in a far more healthy condition to lay eggs that will hatch strong, "hatched to live" chicks than a hen that has been forced for a record. Then the Cornish are valuable for meat and for eggs. They are worthy of all that is being done for them.

Secondly, we have in the American Cornish Club a club that is really what the name implies—a loyal bunch of fanciers that, having a breed to champion that is worthy, are putting that breed to the front. Organized at the New York show in 1890, twenty-two years ago, the club has flourished in a true sense of the word. A year ago a catalogue was published of which any specialty club might be proud. This year, even a better one was sent from the press, and over 100 new names appeared on the list of members in good standing, thanks to our hustling secretary, Mr. A. C. Hayes, of Eureka, Ill. One hundred members a year is a fair stride to strike. The breed is backed by a wide awake club.

Lastly, I will simply give you a few figures to show how Cornish, all varieties, have "come out" in the last year at Allentown, Hagerstown and Baltimore, respectively. At Allentown in 1911 there were fourteen birds in the open classes, and two pens, a total of twenty-four birds. In 1912 at Allen-

## WELLESLEA BAR'D ROCKS

### THE WORLD'S CHAMPION "FLUFFY RUFFLES" STRAIN

Continues to win wherever shown—"Fluffy Ruffles" the \$1,000 hen and her kin have won for me a grand total of 22 prizes at Madison Square Garden in five years. This record does not include specials or winnings of my customers. No other pullet line has ever equalled this continuous win. "Fluffy Ruffles," strain is winning now for my customers, for me, and will win for you. I am in a position to furnish from this world's champion female line, choice selections of stock to all those wishing the best. My line of males for this season is headed by the first cock at Madison Square Garden, 1911, this winning stamps him as the finest specimen of this variety in the world. For prices of the above—phenomenal—write

Welleslea Farm Poul. Yards, C. H. Welles, Prop., Stratford, Conn.

## American Silver Campine Farm

### PRODUCE THE LEADING SILVER CAMPINES OF THE WORLD

Bred from special matings and raised right. Barred from head to feet. Grand shape and good size. Acknowledged leaders of all layers of large white eggs the year round; non-sitters. All-round money-makers and ideal fanciers' fowl. Get in on the ground floor with American Silver Campine Farm Strain and be a big one.

AMERICAN SILVER CAMPINE FARM  
MT. CLEMENS : : MICHIGAN



town there were forty-seven in the open classes and four pens, a total of sixty-seven birds, and a net gain of forty-three birds. At Hagerstown in 1911 there were fifty-two single birds and five pens, a total of seventy-seven birds. In 1912 at Hagerstown there were seventy-five birds in the open classes and four pens, a total of ninety-five Cornish, and a net gain over 1911 of eighteen birds. Lastly, at Baltimore in

1911 there were twenty Cornish. In 1912 at Baltimore there were 197 Cornish at our club meet, a gain of 157 birds, and every bird a good one. I have given you figures that are before the eyes of the world. You cannot doubt these.

Forward! For Cornish! a fowl that is a fowl, that is backed by men that are men, and that is getting in the center aisle in every showroom.

## National Egg Laying Contest

Record for December—S. C. White Leghorns  
From England Are in the Lead—Feeding Test

**T**HE second national egg laying contest at Mountain Grove, Mo., is proving much more satisfactory, in every particular, than the first contest. While many birds are not yet mature, yet every pen had laid some eggs before the close of the first month. The total for the first six weeks is 5,954 eggs. The English pen of S. C. White Leghorns, No. 2, leads with 263 eggs. Silver Wyandottes, pen No. 23, is second with 217 eggs. White Wyandottes, pen No. 28, is third with 185 eggs. The yield for the first few weeks was not equal to that of last year because the birds are practically all pullets this year, and large numbers of them are not mature, but last year large numbers of them were hens and laid early in the contest and fell off later. The yield has increased rapidly each week and we are now getting a 33½ per cent egg yield from the entire flock, and still gradually increasing.

The ten leading pens for December rank as follows:

No.	Variety.	Eggs.
2	S. C. White Leghorns.....	222
43	S. C. Reds.....	162
23	Silver Wyandottes.....	157
28	White Wyandottes.....	151
60	White Orpingtons.....	136
33	Barred Plymouth Rocks.....	135
20	White Wyandottes.....	133
59	Black Orpingtons.....	133
53	Black Langshans.....	131
24	White Wyandottes.....	129

The English pen of S. C. White Leghorns won the silver cup for December with a record of 222 eggs. This pen is getting quite a good lead over the other pens. They continue to be more active than any pen in the contest, and are consuming quite a good deal more dry mash than the other Mediterranean varieties. These birds differ from the American Leghorns in the fact that they have larger combs, tails are not well spread and rather high, and eyes are not bay in color. They are an interesting lot of birds, however, and seem to have the ability to lay. Their eggs are not of an uniform dead white color, like many of our American strains of Leghorns.

### Our Feeding Test.

In connection with our egg laying contest we are trying out ten different methods of feeding. The birds used in this test are one-half Buff Orpingtons and one-half White Leghorns. The Orpingtons are all of the same breeding, all pullets, and as near the same age and weight as we could get them. The White Leghorns are composed of four pullets and one hen in each pen, of the same breeding, same age and practically same weight. The exact method of feeding one of these pens will be announced each month. You can make note of the for-

mula used and watch the results. You can be your own judge as to the practicability of each method. We expect to also be able to determine the most economical method for use in this section.

### Connecticut Methods—Pen. No. 61. Scratch Grain Mixture.

60 lbs. cracked corn.  
60 lbs. wheat.  
40 lbs. heavy white oats.  
20 lbs. barley.  
10 lbs. kaffir corn.  
10 lbs. buckwheat.  
10 lbs. coarse beef scrap.

### Dry Mash Mixture.

200 lbs. coarse wheat bran.  
100 lbs. cornmeal.  
100 lbs. gluten meal.  
100 lbs. ground oats.  
75 lbs. standard middlings.  
50 lbs. fish scrap.  
50 lbs. beef scrap.  
35 lbs. low grade flour.

A Norwich Automatic Feeder is used for the grain and the birds are allowed to feed themselves, except during the long summer days. It may be necessary to close the grain feeder a part of the time. The dry mash is kept in a hopper or receptacle for that purpose. The mash, as well as grit, shell and charcoal, are kept continually before the birds. Succulent food, consisting of apples, mangel wurtzels, green cut corn or dried beet pulp may be used. The dry beet pulp is used principally, and is soaked in water (and usually warm) for about an hour before being fed. It consists when dry of about 8 per cent of the dry mash by weight.

In the feeding test, in pen 68, where feed of twenty-eight different kinds is kept before the birds at all times, these pullets made a rapid gain on the other pens toward the last of this month. Our prediction is that they have been or are being stimulated to high production and may keep it up for a time, but will finally become over fat, drop off in egg production and break down in health. It is going to be interesting to see just what they will eat, the greatest quantities of what they like best, and what the final results will be as to their general health and the number of eggs laid under this method of treatment. More pullets are now laying in this pen than any other. We also keep buttermilk and water before them at all times and record the amount of each consumed.

We are feeding ground meat and ground mustard to one pen, No. 66, but so far it has not made much of a record.

The farmer's method of feeding, where the hens get a very simple ration, the yield thus far indicates that it might pay the average farmer to buy a little beef

scrap, alfalfa meal, and a few other ingredients to add to his rations.

These one hundred pullets used in this feeding test are laying many more eggs daily than two hundred of their full sisters on the outside which are not being fed as heavily as these in the tests. This is but another proof that if you want eggs in winter your hens must be fed liberally.

### Hatch Some Early Chicks.

If you want a few pullets to lay in the fall when the old hens are moulting; if you want a few birds to win prizes for you at the early fall fairs and shows; if you want a few pullets to enter the next egg laying contest and have them ready to lay from the very beginning, we would advise hatching at least a few early chicks. We think this is one mistake which most of the western breeders make: they do most of their hatching in May and some even much later than this. The eggs are usually a little larger earlier in the season; the hens have not been laying long and they fill the egg full of meat and vitality; the chicks hatched from them are stronger and grow more rapidly. In this section of the country we always have less trouble in raising the earlier chicks. One of our largest and most successful farms never hatches anything after April 15. The result is they have a lot of mature pullets which lay in the fall and winter when eggs are high. The poultry farmer should endeavor to have his pullets blossom just at the right time (when eggs are high), just as the florist has his flowers blossom and ready to supply the demand at Easter time. He doesn't have them blossom a month before nor a week after, but they are ready just at that season. You can't do this, neither can you win at the fall fairs, nor can you win in egg laying contests unless you hatch some chicks in time to mature by fall. One of the biggest and most successful breeders in this country said to me: "I make more out of my early hatched stock than from any other. I hatch them early, then I have them for sale when the other fellow hasn't got them. They are not so particular about the quality of the early show birds, for as a rule at the fall fairs and shows the big bird will win over the smaller one of better quality." If you started out on a five-mile run you would start out fresh, you would be quick and active, and it would be no effort for you to run, but the further you go the weaker you would become and at the end of the five miles you would be "all in." Just so with the hen. In the early part of her laying period she is fresh and vigorous and stores all the vitality in the egg and germ that her constitution permits, but later on she is weakened, she hasn't the vitality she had earlier in the season, and her weakened condition does not permit her to store the vitality into the germ and the egg that she once did. Much of the trouble which we have with sick, weakly, runty chicks is due to this very thing. The destiny of the chick is largely determined by the vitality of its parents. Hatch at least a few early chicks.

### R. C. WHITE LEGHORNS

The 200-year-old egg machines. Egg for hatching. We are making a great sacrifice sale of some of our best breeding stock. Better write today. Rocky River Poultry Co., 68 The Oaks, Deerfield, Illinois.

### MONEY MAKERS

35 varieties. Chickens, Ducks, Geese, Turkeys, O. I. C. Hogs. Fine stock and eggs at low prices. Big illustrated circular and beautiful picture, 16c. 20c. in colors, only 10c. Don't miss it.



JOHN E. HEATWOLE, HARRISONBURG, VA.





# Ferris Improved Trapnested Layers

Twelve years ago we became dissatisfied with the best White Leghorns we could find anywhere in the country at that time. They lacked stamina, strength, vigor. No successful effort had ever been made to breed them to quality.

Our first thought after securing the best stock we could buy was to increase the size and vigor of the birds to give a foundation that would permit greatly increased egg production. Our aim from the beginning has been to build a strain that would lay more eggs than the very best of any other breed or strain and yet win anywhere in strongest competition.

It has taken us years of patient effort to get these good qualities as well developed as we have them today. During that time not a poor layer has been allowed in our breeding pens and every year as our experience increased we were able to select our best layers with more certainty and mate them with greater skill. Every year has seen an increase in our average egg yield, until now it is easy to get an average yield of more than 175 eggs a year from a flock of Ferris Leghorns.

## Ferris Selling Plan

We go farther than it has ever been considered possible to go in satisfying customers, not only in quality of stock we furnish in the first place, but in the responsibility we assume of seeing that the birds you buy remain in good condition until they become accustomed to change of climate and to different methods of feeding and caring for them. You can't buy birds elsewhere and exchange them any time within 30 days if they become sick or don't breed properly, or are unsatisfactory for any reason whatever. No one else will replace without question every bird that dies within thirty days.

## Winners For Any Show

We have been winning for years at the largest shows—Louisville, St. Louis, Toledo, Detroit, Pittsburgh, Grand Rapids, and the Michigan, Indiana, Iowa and Tennessee State Fairs—and can furnish winners for any show no matter how strong the competition.

We take great pains to fill every order with exactly as great care as if our customer was right here to pick out the birds himself. If you explain the good points you are most particular about and the bad points you wish to avoid, it makes no difference how many hundred miles are between us, we can select stock that will exactly suit your requirements, provided you do not expect a better bird than it is possible to furnish for the price you pay. The quality of every grade of stock described in the catalog is the best that can possibly be furnished for the price named. We endeavor to give every customer an absolutely square deal, and if you have had experience with White Leghorns so that you know the value of a bird, you will appreciate the fact that the birds we send are from 50 to 100 per cent better than most other breeders send for the same prices.

## Eggs and Day-Old Chicks

We are now booking orders for eggs and day-old chicks for spring delivery. We have never been in better shape to fill orders of any size. Thousands of fine hens in our utility matings and our 25 exhibition matings of remarkable quality will make it possible for us to ship promptly and quote prices that are very reasonable. All infertile eggs replaced free; safe arrival of chicks guaranteed.

## Our Guarantee on Eggs

Our guarantee on eggs is as fair as our guarantee on stock. We endeavor to protect our customers and want you to be perfectly satisfied. When you do not get satisfactory results tell us and we will do everything possible to make it right.

*We Replace all Infertile Eggs Free of Charge.* It is well to be careful that you do not get eggs from late hatched stock that is not mature, for eggs from immature Leghorns are as worthless as eggs from any other breed. If you want eggs from yearling hens we can furnish them, for over half the birds in our breeding pens are yearling hens.

## Can Ship Anywhere

We can ship eggs safely anywhere in the United States, Canada or Mexico, and will guarantee fertility. We ship no eggs more than three or four days old, and nearly all eggs are shipped the next day after they are laid, for during the regular hatching season we usually have orders booked a week or more ahead and we make shipments every day.

## Eggs for Hatching

There is a great difference in eggs for hatching and if you want good results you must be particular to get eggs from stock that has been handled properly. It is very easy for a careless breeder to so handle his stock that the eggs will not hatch well nor even produce strong chicks when they do hatch. Lack of exercise, improper feed, overcrowding and neglect of any of several other important details will decidedly affect the results that can be secured from the eggs.

## Large Even Shaped Eggs

Eggs from all our pens, utility and exhibition, are carefully selected. They are large, smooth, even shaped—the kind that are nearly always fertile and sure to hatch strong chicks. Small eggs—those weighing less than 25 ounces to the dozen—are never sold or used for hatching, and the average will be from 26 to 28 ounces. Eggs with rough or uneven shells do not look well and seldom hatch well, so we discard them. We do not sell eggs that are poor in color. A Leghorn egg should have a white shell, and we do not breed from hens that lay any other kind.

## Day Old Chicks

It is usually better and cheaper to start with chicks than with eggs, because chicks cost only twice as much as eggs and the average hatch from eggs is only about 60%, except in the hands of poultrymen who have had considerable experience and know just how to get the best results. The saving in express charges is also worth considering, as the charges on 100 chicks will be only one-third as much as on the number of eggs required to hatch that many chicks. We can generally ship chicks as promptly as eggs, so there is a difference of three weeks in favor of the chicks—three weeks difference in the time the pullets will begin to lay.

## Distance We Can Ship

Chicks can be shipped 1000 miles with safety, and in some instances where there is fast train service, as high as 1,500 miles. We guarantee safe arrival at any express office within 1,000 miles from Grand Rapids—a radius that includes two-thirds of the United States and Canada.

Our loss in shipping has averaged less than 2% during the past four years, and our customers have had good success raising the chicks, which proves that the stock is hardy and vigorous and that the chicks have not been injured in the least by shipping. In fact, it is much safer to order chicks than eggs because chicks are nearly always handled more carefully than eggs.

**GEORGE B. FERRIS** The Ferris Leghorn Farm 905 Union Av., Grand Rapids, Mich.





# White Leghorns

## That Win Everywhere

There is only one sure way to tell which hens are the best layers, and that is by the use of the trap nests. All other so-called systems of telling good layers from poor layers are failures. Shape of body or distance between the pelvic bones—the basis of all advertised “systems”—are not reliable guides.

Ferris Leghorns have been bred to lay by the use of trap nests. We trap nest both our exhibition matings and our special bred-to-lay matings. We have spent a great many years investigating the laying qualities of our hens and breeding them up to their present high average records, and the minimum egg yield permitted in our bred to lay matings is 185 eggs per year. We have quite a number of hens with records of 225 to 249 eggs during their first year of laying, but we do not attach so much importance to these exceptionally high records as do some breeders.

High record hens are of value only so far as they can transmit their laying qualities and enable a breeder to obtain a whole flock of good layers, and hens with records of much more than 200 eggs a year do not make as good breeders as hens with slightly lower records. It is our experience that hens with records of 185 to 200 make the best breeders of laying stock and are more likely to produce hens that themselves lay over 200. The catalog explains why.

### Bred-to-lay Utility Matings

All our twelve years' efforts to increase egg production are in the breeding of these birds, and although they do not score high enough to make breeders of exhibition stock, they will give you stock that can not be surpassed for laying purposes by any other that can be bought excepting our bred-to-lay exhibition matings and our trapnested laying pens.

The difference in egg production between these utility matings and the other matings is very slight; the only difference is that although these birds are bred from the trapnested pens, they are not themselves trapnested.

However, we allow no birds in these pens that are not good breeders. The eggs are big, selected for even shape and color and will produce strong hardy chicks.

We can furnish eggs and chicks in any quantity and the price of eggs will be \$14.00 per 100 during February, \$12.00 during March and \$10 during April. Settings of 15 eggs, February \$2.55, March \$2.25 and April \$1.95.

Day old chicks, March \$28.00 per 100, April \$25.00, May \$20.00. In lots of 25, March \$8.00, April \$7.00, May \$6.00.

For other prices and complete description of these matings

### Trapnested Laying Pens

All of these birds score 92½ or more, for this is the minimum score that we permit in these pens; and most of them score more. The average score is around 93½ and scores of 94 to 95 are not at all uncommon. They are mated to males from the best pens, none scoring less than 93 and they will produce a uniformly good looking flock of heavy layers.

Every bird in these pens is a good winter layer for we discard all that do not reach an average of 14 eggs per month during the winter months when eggs are scarce and high. Ferris Leghorns have a reputation of being the best winter layers of any fowl and we are bound to maintain that record.

If you want trapnested bred-to-lay stock that also is bred reasonably close to standard, you will make no mistake to take this grade.

For the average county fair and small winter shows, these birds will be pretty sure to be among the winners and they are the best layers that have ever been produced.

The prices of eggs and chicks from these pens are just double the price of the utility matings—\$25.00 per 100 for eggs in March and \$56.00 for chicks. For complete information regarding these pens

### Exhibition Matings.

These exhibition matings are in advance of the standard so far as some points of shape are concerned; and they are the only exhibition strain in the U. S. that have been bred to lay with the same care that they have been bred to win.

What it means to set a high standard of laying below which no hen may go, and at the same time build up a strain that is capable of winning in any competition, only they who have tried to breed winners without regard to laying qualities will understand.

To build up exhibition qualities to a point where it is possible to furnish winners for hundreds of shows every year, and some of these shows the largest and most important in the country, requires the most careful selection of the breeding stock for a long period of years. Not only this, but every point which may affect the perfect development of the stock from the time the eggs are placed in the incubators until the mature fowls are placed in the breeding pens, must be looked after.

You can hatch winners for any show in the world from these matings. The birds shown at the top of this ad will give you a good idea of the quality. For description of each pen in detail and prices of eggs and chicks

**Get your Copy of this new 132-page Catalog—Absolutely FREE**



**GEO. B. FERRIS, 905 Union Ave.,  
GRAND RAPIDS, MICH.**

Dear Sir:—Send me, absolutely free, your new 132-page catalog describing Ferris Leghorns and telling how to feed, house and breed White Leghorns for exhibition and heavy egg production.

Name \_\_\_\_\_

**MAIL THIS COUPON TODAY**



# Let Me Quote You My Lowest Price On The Incubator That Has Won Six World's Championships

If you want to make the most money in the poultry business at least expense, write me a postal now. I want to quote you my **remarkably low price** on the Belle City Incubator—the **6-time World's Championship Hatcher**.

I want to tell you how to get championship hatches—how to beat every other incubator in your neighborhood—how to be in a position to win prizes and **benefits that go with the title**. I want to tell you why the Belle City has won so many championships in open competition with **all other makes of incubators**.

When you read my portfolio of Hatching-Facts you will understand why nearly 200,000 people, **including the U. S. Government**, bought the Belle City Incubator after a careful investigation. I want to **prove to you that it is unnecessary to pay a cent more than my low price for any hatcher**.

Won't you write me a postal? I will send you just the proofs and information you need to **start you and keep you right in the poultry business**. I will tell you the secrets of construction and the advantages in design that have made my

## Belle City



Jim Rohan, and His Championship Winners

### The 6-Time Champion Hatcher of the World

I will tell you all about the championship winners, show you their letters telling how they won their prizes and what they think of the Belle City; will explain the construction of the Belle City part by part, so it will be easy for you to understand just why the Belle City out-hatches all other incubators.

I will show you that it has double walls with dead air space all over—the best self-regulator that money can buy—a cold-rolled copper heating tank and boiler—a real safety lamp—a big roomy nursery—famous "Tycos" thermometer—a strong egg tray, tester and complete book of instructions. I will prove to you that **you can't buy its equal in real hatching value, no matter what price you pay**.

## Let Me Send You All My World's Championship Hatching-Facts, Free!



1, 2 or 3 Months Home Test Freight Prepaid Everywhere

Get My Low Price Now

We ship quick from Buffalo, Kansas City, St. Paul or Racine

My complete portfolio of World's Championship Hatching-Facts tell you how to select the right incubator and brooder at the right price. It will tell you about my manufacturing, selling and shipping plan that cuts out all the useless expense, making it possible for me to make you my remarkably low price. It will prove every one of my claims by actual facts and figures. I am proud of every principle—of every feature embodied in the construction of Belle City, because the World's Championships were won with 100 per cent hatches, by people who never before owned an incubator.

**I Give You 1, 2 or 3 Months Home Test, Money Back, If You Want It—And 10 Year Guarantee.**

—and I pay the freight wherever you live. You take absolutely no risk when you order a Belle City. You have everything to gain and nothing to lose. What the Belle City has done for others I know it will do for you. I have so much confidence in it that I want you to try one in your own home—at my risk. Just write me a postal now and I will mail you all my World's Championship Hatching-Facts at once. Address Jim Rohan, Pres.

**Belle City Incubator Co.**

Box 27, Racine, Wis.

**Write Me a Postal**

It only takes a minute to write "Send World's Championship Hatching Facts" and your name and address on a postal. In return for that favor, I will send you the most remarkable collection of incubator and brooder information ever gathered together. Be sure to write me. Jim Rohan, Pres.



**S. M. GOUCHER, MOORESTOWN, N. J.**

We are pleased to chronicle Mr. Goucher's Barred Plymouth Rock winnings at the great Camden, N. J., show held December 17th to 21st, 1912, as follows: First cock, fourth hen, third and fourth cockerels, first and third pullets and first and third pens with several specials. Mr. Goucher has made several winnings of credit this year and at the best shows held to date, including Philadelphia and Williamsport, where the largest and best classes of the year have been brought out.

At Williamsport his first pen was awarded the general special for best pen in the entire show, a win seldom made, same by a pen of Barred Rocks when competing with all varieties. That pen was a wonder in all quality, mated with skill and shown at their best. This line has made a fine reputation for some years; they breed their best and have for sale a nice line of cockerels and pullets that will prove of value to any line. Look up his ad and write your wants.—H. P. Schwab.

The California Redwood is constantly gaining in popularity in the manufacture of incubators and brooders, and indeed no lumber is more suitable for the purpose. This popularity is due to the fact that it is susceptible of very fine finish and its adaptation to all changes and conditions of climate. The Petaluma Incubator Co. was the first to see the advantages of the use of California Redwood, as in fact, many years ago, they were the first to begin the manufacture of incubators. The "Petaluma" is the pioneer hatching machine. Its incubator antedates that of any other on the market, and to them, therefore, and to the energy, persistence and patience of their Mr. L. C. Byce, is due the credit, to a very large extent, of the development of incubators and brooders to the extent which exists at this time. They have a very interesting booklet "How It All Came About," giving some facts of the industry, a copy of which they will very gladly send upon receipt of your request. Address them at either of their offices, Box 362, Indianapolis, Indiana, or Box 305, Petaluma, California.

Mr. W. D. Holterman, fancier, Fort Wayne, Ind., takes pleasure in dividing the honors with his customers—consequently he did not exhibit at Chicago—but The Aristocrats made good in the hands of a purchaser in the "fiercest battle of giants" ever shown there, winning the blues. We recognized the narrowing barring alright. The Aristocrats are winning from coast to coast, winning at such shows as Hagerstown, Boston, Madison Square, Springfield, Kansas City, Los Angeles and many other September chicks just feathering out showed

ers. When we visited Mr. Holterman in that perfect narrow barring. Mr. Holterman & Son keep tab on their birds so closely that they know them as far as they can see them and can glibly tell the breeding on both sides. The Aristocrats have set an awful pace for narrow, even barring and grand type.—H. H. Coburn.

**JOHN S. MARTIN, PORT DOVER, ONT.**

The right kind of quality is always in demand. Strains and line breeding have added their value and created a demand unknown of before. This applies to the breeding pen as well as to the exhibition pen, for line breeding means the best of quality for both purposes. We just have word that Mr. John S. Martin has sold two hundred and twenty-five of his "Regal" White Wyandotte females and twenty-five males to Mr. Geo. Peabody, Williamstown, Mass. Such sales are rare in past history but rather common now, with the demand ever increasing for stock of the better kind. Mr. Martin is ever up and doing and has also lately made a large shipment of his Wyandottes to H. R. Bourne, Pretoria, South Africa. This with his late shipments to India and other countries has placed his famous "Regals" under every flag that floats.

The distinction this line has won at home is well known by all, for Mr. Martin has long been one of our leading breeders and exhibitors and has well won the fame his line is entitled to.—H. P. Schwab.

G. B. Smith, North Baltimore, Ohio, breeds and exhibits some exceptionally fine Single Comb Black Minorcas. Mr. Smith mates his birds in town and farms out his young stock. He is a persistent trap nester and has built up a very heavy laying strain of Minorcas that lay the largest egg we ever saw. No egg prettier than Minorca eggs. The fact that the breed is very hardy and active makes them run strong in fertility. The Minorca is a hard breed to beat as an all purpose fowl, and set the pace for high prices some years since when that famous shipment went to Germany—\$1,000 being paid for a male. They are nonsitters, which is heavenly, and good eating; always in good condition, and begin laying early. Mr. Smith has a fine lot for sale. One special hen lays eggs that resemble a goose egg in size; when she can lay fast enough she lays one perfect egg inside of another. Mr. Smith mates up 20 pens for the egg trade and guarantees 75 per cent hatches. All lovers of the beautiful Single Comb Black Minorcas should purchase some of his stock or settings of eggs. Mr. Smith is most reliable and treats his customers right. Look up

his ad in this issue and correspond with him.—H. H. Coburn.

Roseland Single Comb Buff Orpingtons won at Cleveland January 6 to 12, 1913, 2d and 4th cock, 2d and 3d hen, 1st cockerel, 1st and 2d pullet and 3d pen. Mr. Charles W. Switzer, South Euclid, Ohio, who is the genial proprietor of Roseland, certainly knows how to mate Buff Orpingtons to produce beautiful golden buff and grand Orpington type. He always keeps on hand classy show birds really fitted, during the show season. It is a pleasure to go through his conditioning building in show season. You can't miss it by introducing the Roseland Single Comb Buff Orpington blood into your flock.—H. H. Coburn.

**A NEW ONE FROM AN OLD MASTER.**

The Prairie State Incubator Company, of Homer City, Pa., one of the oldest manufacturers of incubators and brooders, colony houses and poultry supplies, have an interesting announcement to poultry raisers on page — of this issue. It concerns a new, low-priced incubator, which, considering the standing and reputation of this 30-year-old reliable company, we predict will find a phenomenal sale. Though low in price, its high-grade construction and hatching efficiency is backed by the same experience and well-known Prairie State reputation, which is sufficient guarantee of its exceptional merit.

This new machine is a product of the new Prairie State factory, the largest and best-equipped incubator factory in the world. It has been built to supply the demand for a medium-sized machine at a modest price. Just turn to their announcement and see for yourself the unusual value offered. Also drop them a line for their Keystone folder and be sure to address them as follows: Prairie State Incubator Company, 50 Main St., Homer City, Pa.

Elmer V. Shultz, Prop., Rosemont Farm, Webster Groves, Mo., reports some of his winning for this season, which are as follows: At Missouri State Fair won 1st, 2d hen, 2d cockerel and 1st pullet on five entries. St. Louis, 1st, 2d hen, 2d, 3d cockerel and 2d and 3d pullet, 6 entries; 1st pullet and 1st pullet mating pen hatched from eggs sold by us. Springfield (Mo. state), 1st, 4th hen, 2d cockerel, 3d, 4th pullet on 6 entries. Springfield (Illinois State) 4th, 5th hen, 4th pullet and special for best colored female. Pens now mated for the egg trade and can please the most exacting.

OCULUM increases egg yield 20 per cent; a free trial; ad page 280.



1<sup>ST</sup> PRIZE WHITE ROCK PULLET AT MADISON SQUARE GARDEN, DEC. 1912-JAN. 1913,  
1<sup>ST</sup> PRIZE AT GRAND CENTRAL PALACE, 1912.  
BRED AND OWNED BY  
L. C. BONFOEY, VERNON, CONN.



"PRINCE GEORGE 1<sup>ST</sup>"  
FIRST PRIZE 8-WHITE LEGHORN COCK AND CHAMPION MALE OF THE  
MEDITERRANEAN CLASSES AT MOORESTOWN, N. J., 1912. FIRST COCKEREL,  
AT GRAND CENTRAL PALACE, NEW YORK 1910  
DUNE ALPIN POULTRY FARM, EAST HAMPTON, N. Y.



# Money-Making Results—YES!



## The Test Hen

"Profitable Poultry and Egg Production" tells how 1,500 and 2,000 pounds of good-quality table poultry can be produced from one hen in one year. Book of 244 large pages FREE to any address—simply for the asking. Worth many dollars to poultry men and women who "mean business."

Knowledge—if you really make a business of keeping up-to-date on every fact and discovery that means greater Egg—

## And Poultry Meat Production

This great, Free, Money-Making Book, backed up by Cyphers Free Bulletin and Personal Letter Service, and the immensely valuable free booklet of 1912-13 \$1,000 PRIZE CONTEST REPORTS—makes it possible for you to keep in touch with every step—to personally apply every discovery made at the Cyphers Company's Farm, also to profit by the actual, money-making experiences of poultry raisers all over the country, many of whom have had problems similar to your own. To avoid mistakes you absolutely need this wealth of practical information. You cannot afford to go by guess. You

## Must Use Right Methods

What these methods are this great Free Book will tell you. It is the most complete, the most valuable



## Sold for \$800

"Lady Show You." the White Plymouth Rock Hen that laid 281 normal-size, normal-weight eggs in 365 consecutive days and won first prize in the National Egg-Laying Contest conducted by the Missouri State Poultry Board at Mountain Grove, Mo., November 1, 1911-October 31, 1912, was hatched in a Cyphers Incubator. So states J. A. Bickerdike, Millersville, Ill., owner of "Lady Show You," who raised her from the shell and who sold her after her great laying record for \$800. See Mr. Bickerdike's letter (also daily newspaper dispatch) on page 234 of our FREE Catalogue and guide for 1913, "Profitable Poultry and Egg Production."

Let's get at the real facts—the solid truth about Profitable Poultry and Egg Production, doing so without exaggeration, without painting fancy pictures. Let us go by actual records of production—by the part the domestic hen now plays in contributing to the Nation's wealth. Let's consider what a hen can do—what actually has been done by those who have gone into poultry-raising intelligently—who have followed advanced methods! These facts will show, will prove, what the poultry industry today offers to earnest men and women.

The three hens illustrated in this advertisement are living examples of the money-making, present-day possibilities in Poultry raising. These hens, "born" in Cyphers Incubators, raised in Cyphers Brooders—well-bred, well-fed, comfortably housed, have attained a productive power that is almost unbelievable.

Think of a little three-pound Leghorn hen reproducing her own bodily weight ten times in eggs in one year—thirty pounds of eggs in three hundred and sixty-five days! Investigate also the work of a single hen in the 1,500-2,000 lbs. meat production test—a truly wonderful opportunity for profit earning. Then consider that these records were made in flocks expertly handled to reduce the cost per egg and per fowl. Remember also the present attractive market prices for egg and poultry meats—and what the Parcels Post now offers in quick sales, higher prices and economical delivery. It's easy to figure the

## Proof of the Profits

that await keen and alive poultry-raisers in 1913 who use correct methods and have the proper guidance. Write us now—today—for our 244-page free Book, "Profitable Poultry and Egg Production." It's crowded full of just the facts you need. Gives in detail the remarkable results we attain on the Cyphers Company's \$75,000.00 Experiment and Demonstration Poultry Farm. Gives the reasons why of

## The Remarkable Egg Yields

We secure from our fowls more than double the ordinary production. And what we do, you can do, wherever you are located, if you have the right equipment and the right



Substantial  
Fireproof  
Dependable

free poultry book ever published. For example, it gives you on page 7 the Three Foundation Factors in Profitable Poultry and Egg Production. Three basic facts you need to know before you really begin to make money. On page 8 it points out Six Avenues of Waste. Guides you clear of common pitfalls. Tells you how to make your flock all-productive. The information on these two pages alone is worth many, many dollars to you.

Our Free Book also contains eight special chapters that go into the very heart of the practical questions that come up every day. They tell in simplest language the things to do—the things to avoid. They point the way to greatest returns. The titles of the chapters are: Chapter I—What is Possible in Poultry Meat Production. Chapter II—What Can Be Done in the Way of Egg Production. Chapter III—Deep-Litter Feeding Experiments of 1912. Chapter IV—Quick Maturity in General-Purpose Fowls. Chapter V—Ages and Weights of Chickens for Table Use. Chapter VI—How to Establish Prolific Egg-Yield Flocks. Chapter VII—Today's best chance in the Poultry Business. Chapter VIII—Small-Scale Poultry Keeping on a Practical Basis.

When you have learned the practical things this book teaches, you must have the proper means of applying them.

## That Means Right Tools

The toy incubator, the make-shift, the experiment, the cheap-at-any-price contraption has no part in really Profitable Poultry and Egg Production. If you sincerely mean to win success you must have a real incubator. That means the Standard Cyphers. It has stood for years at the very head—the recognized hatching machine of proved merit. Used and endorsed by more Government Experiment Stations, by more State Agricultural Colleges, by more practical, large-scale poultry raisers and by more well-known, successful poultrymen than all other makes combined.

With Cyphers Equipment and the valuable personal advice and help we give, you are practically insured against disappointment and failure.

Our Big, Free Book fully illustrates and describes over one hundred Standard Poultry Appliances and Specialties, all of which have been tried out and demonstrated on our \$75,000.00 Poultry Farm. The book contains hundreds of letters from poultry raisers, large and small, in every section of the country who have established beyond question the superiority of Cyphers Incubators and Brooders.

## Proof By Actual Cyphers Users

Albert G. Keven, Battle Creek, Mich.: "The two Cyphers Incubators have given excellent satisfaction. I have kept a careful record of all eggs put in the machine and the number of chicks hatched, with results as follows: First Hatch, 236 chicks from 244 fertile eggs. Second Hatch, 204 chicks from 204 fertile eggs. Third Hatch, 199 chicks from

205 fertile eggs. Fourth Hatch, 232 chicks from 244 fertile eggs. Fifth Hatch, 178 chicks from 178 fertile eggs. Sixth Hatch, 217 chicks from 220 fertile eggs. The Cyphers is the best machine made for hatching strong, healthy chicks and lots of them." March 11, 1912. See complete report page 31, "Profitable Poultry and Egg Production."



# Cyphers Incubators and Brooders—

**T**HEY are Self-Regulating, Self-Ventilating, Fireproof—also proof against heat and moisture troubles. Their records for *continuous big hatches* have never been equalled. We print here short extracts from half a dozen letters to give you just an *idea* of the *genuine satisfaction* Cyphers Machines are giving all over the country. Full reports, and hosts of others in the big 1913 Book Free.

J. L. Haney, Prop. Blue Ridge Poultry Farm, Saylorsburg, Pa.: "On March 6, 1899 (thirteen years ago), and on February 16, 1901 (eleven years ago), I bought two Cyphers Incubators from you. To this day these two machines operate like clock-work. I will give you herewith a record of this season's hatches, to indicate what Cyphers Incubators will do after being eleven and thirteen years in use: No. 1, Incubator, 120-egg capacity (bought thirteen years ago)—from 120 eggs set, got 98 chicks; 120 eggs, 111 chicks; 121 eggs, 107 chicks; 122 eggs, 112 chicks. No. 2 Incubator (bought eleven years ago) 240-egg capacity—from 240 eggs set, got 184 chicks; 241 eggs, 210 chicks; 240 eggs, 200 chicks; 242 eggs, 218 chicks."—Sept. 17, 1912. See complete report, Page 29, "Profitable Poultry and Egg Production."

Mrs. Victor Varley, 3038 North Christiana Ave., Chicago, Ill.: "I purchased two Cyphers Incubators last March, one

244-egg capacity and one 70-egg capacity, also a Style A Outdoor Brooder. I had fine hatches from the incubators. Out of 234 fertile eggs I hatched 231 chicks and from the smaller incubator I got 63 chicks out of 65 fertile eggs. They were all brooded in your Style A Brooder. I have also hatched ducks and goslings in my Cyphers machines with equal success."—July 24, 1911. See complete report Page 39, "Profitable Poultry and Egg Production."

Mrs. Geo. C. Van Buren, Dryden, N. Y.: "I have a Standard Cyphers Incubator. This spring I made three hatches—all good. First hatch, from 230 fertile eggs I got 197 strong, lively chicks. Second hatch, from 215 fertile eggs, I got 205 very strong chicks. Third hatch, from 220 fertile eggs I got 209 chicks, which grew like weeds." July 24, 1912. See complete report page 39, "Profitable Poultry and Egg Production."



## Continuous High Percentage Hatches

Complete as the Cyphers 1913 Year Book is, we do not stop there. It is supplemented from time to time by Free Bulletins, which place before our Customers the very latest, *livest* information—the newest discoveries and tests. They are written by poultry experts of reputation and standing, employed by the Cyphers Company to look after the *Genuine Success* of Cyphers owners.

## An Egg Machine

The Cyphers Company S. C. White Leghorn Hen, during the 365 days of her largest yield, produced eggs that weighed **TEN TIMES** more than her own bodily weight. Full particulars in "Profitable Poultry and Egg Production", which will be mailed free to any address, domestic or foreign.

## Cyphers Co.'s Service Personal Letters

In addition to this they render, *free of charge*, a Personal Letter Service, the scope of which is unlimited. No matter how many questions you desire to ask, or how many problems you wish light upon, you have only to write to this Department and your letters will be answered fully, clearly and *personally*.

FURTHERMORE, we have just published, in convenient book form, the *splendid results* of our 1912-13 \$1,000 Prize Contest.

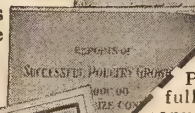
These "Reports of Successful Poultry Growers" are full to overflowing with valuable, timely, *helpful* information and advice about poultry growing conditions and the methods adopted to meet *local obstacles*—as told by *successful poultry raisers* in every part of the country. Some are large poultry raisers—many more are operating on a small scale. But all give the story of their personal experiences, the lessons they have learned, the successful methods they have pursued. This

## \$1000 Prize Experience Book

costs us annually \$1000 in Cash Prizes to secure the *most valuable and helpful reports*. No such collection of practical work-a-day experiences and pointers is obtainable from any other source. It's just another sample of the length to which we go to set, *and keep*, our customers *on the right track*.

### Get These Free Books—Use The Coupon

Write today for *your copy* of "Profitable Poultry and Egg Production"—244 pages, hundreds of illustrations—also send 10 cents in stamps to *cover cost of mailing* a Free copy of our valuable book, "Reports of Successful Poultry Growers"—actual experiences for which we paid \$1,000.00 in eighty-three Cash Prizes. This book is worth hundreds of dollars to poultry raisers. Learn also how to get *Free* your choice of three of the latest Cyphers Company Bulletins. Catalogue tells you their titles. But send coupon at once for "Profitable Poultry and Egg Production" which *tells the whole story* and will be mailed FREE, postage paid, to any address, domestic or foreign. Address



### COUPON

Cyphers Incubator Co. Dept. 30

Buffalo, New York

Gentlemen: Please send free, copy of your book, "Profitable Poultry and Egg Production" for 1913, and the full facts about Cyphers Company Service.

Name .....

Address .....

**Cyphers Incubator Company**  
Dept. 30, Buffalo, N. Y.

New York, N. Y., 23 Barclay St.; Boston, Mass., 12-14 Canal St.; Chicago, Ill., 340 North Clark St.; Kansas City, Mo., 317-319 Southwest Blvd.; Oakland, Cal., 1569 Broadway; London, Eng., 121-123 Finsbury Pavement.



## THE BABY CHICK INDUSTRY.

In the heart of the poultry industry in Ohio there was once a little hatchery which, by reason of it's up-to-dateness, has become a large plant. Not satisfied with the results of the ordinary so-called mammoth machines of the market, the owners of this hatchery have been making experiments and tests of their own for two years, with a view to obtaining better and larger chicks and more of them.

Going on the principle that the closed bottom with warm nursery and plenty of air and moisture would produce larger and stronger chicks than any other method, they have constructed a machine which has surpassed their expectations. The Tiffin Chick Hatchery of Tiffin, Ohio, believe that they have a machine which hatches the finest chicks that it is possible to bring out of the shell.

All old machines have been removed and are replaced by these new and better ones. These incubators are heated from a central plant, gas being used under the boilers. The machines have three controls, so that it is possible to maintain almost perfect temperature. The capacity is three times as great as last year, making it possible to hatch 250,000 eggs this season, besides the duck eggs.

The facilities for handling large numbers of eggs at this plant are unusual. All eggs as they come from the farms are placed on trays ready to run into the machines at the proper hour, for things move rapidly here.

Mr. and Mrs. Hopple, the proprietors, maintain an information bureau for the benefit of their customers and stand ever ready to assist and give advice in the rearing of chicks purchased from them.

Mr. Hopple is one of the prominent manufacturers of the community, but he was raised on a farm and has always retained his love of fine poultry. The same methods which have made him a successful manufacturer have been employed in building up the hatchery—courtesy, promptness and liberty treatment, always giving customers the best possible value for their money.

They have both show and utility stock in Barred and White Rocks, S. C. White, Buff and Brown Leghorns, S. C. Black Minorcas, S. C. and R. C. R. I. Reds, Buff, White and Black Orpingtons and Fawn I. R. ducks.

Mr. Herman Grannis, of Grannis Bros., La Grangeville, N. Y., the well-known Orpington breeder, spent a few days at the late Madison Square Garden show, admiring the large class of Orpingtons on exhibit there. He reports a lot of birds on hand, in vigorous condition for producing fertile eggs for their egg trade season. He also informed us that they have started their mammoth incubator and will soon be shipping baby chicks.

This farm certainly has come to the front rapidly in the production of high-class Orpingtons.

## BEST METHODS OF BROODING.

Of every 100 chicks that die between the ages of one day and one month old, it is estimated that fifty die on account of incorrect brooding, thirty because of improper feeding and the remaining twenty from all other causes.

It has been with a view to help stop a large proportion of this heavy mortality in chick life that the Cyphers Incubator Company, Buffalo, N. Y., has published a new free booklet entitled "Best Methods of Brooding," a copy of which will be mailed

sectional brooders, electric brooders, hot-water brooding systems, etc.

Write today for your copy of this new free booklet and thus get the benefit of it in time for successful spring brooding. Address Cyphers Incubator Company, home offices, Buffalo, N. Y., or this Company's nearest branch store and warehouse, as follows:—23 Barclay St., New York, N. Y.; 12-14 Canal St., Boston, Mass.; 329-331 Plymouth Court, Chicago, Ill.; 317-319 Southwest Blvd., Kansas City, Mo.; 2127-2131 Broadway, Oakland, Cal., and 121-123 Finsbury Pavement, London, England.

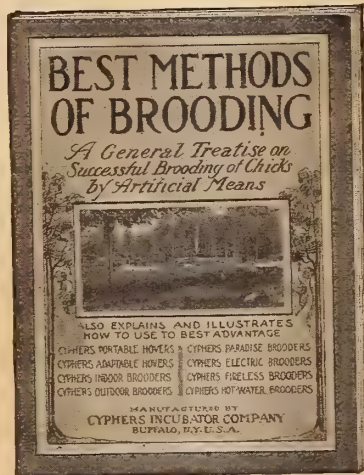
## THIRTY YEARS AMONG THE LEGHORNS.

The above is the title of a 12-page and cover booklet issued by George H. Burgott, Lawton, N. Y. This booklet contains some mighty interesting reading and gives a short history of Mr. Burgott's work in the poultry field. Mr. Burgott has been breeding S. C. Brown Leghorns for the past 30 years and has probably produced more prize winners than any other Brown Leghorn breeder in the country. His strain is known as the Empire Strain and specimens of this strain for the past ten years have won more prizes at Madison Square Garden than any other strain in the country. Mr. Burgott is not a large advertiser, but is a very consistent one and by his square dealing has established a reputation as a Brown Leghorn breeder that is second to none. He is also recognized as one of the best judges of poultry and has been called upon to judge at the leading shows from Maine to California. It would be well for anyone interested in this grand old variety of fowl to write to Mr. Burgott and secure a copy of the booklet referred to above. In writing him, please mention the American Poultry Journal.

## A CORRECTION.

In the list of awards of the Chicago show in our January issue we gave credit to Edward J. Brundage of having won first cockerel in the Lakenfelder class. This was an error, as Frank Myers, Freeport, Ill., won both first and second on Lakenfelder cockerels.

J. Q. Carter, Freeport, Me., made a fine exhibit of his American Dominiques at the late Boston Show and made almost a clean sweep, winning 1st, 2d and third cocks; 1st, 2d and 3d hens; 2d, 3d, 4th and 5th cockerels; 1st, 2d and 3d pullets and 1st pen. Mr. Drevendstedt, who judged this class, said Mr. Carter's birds were the best genuine Dominiques he had seen in a great many years.



Copy of this Latest Cyphers Company Booklet will be Mailed Free on Request to any Reader of this Journal.

to any reader of this paper on request, provided you will mention the name of this journal when writing for the free booklet.

"Best Methods of Brooding" opens with an extensive treatise on "Correct Brooding of Chicks by Artificial Means" and then explains in detail how best to use the different types of brooding apparatus, including portable hovers, adaptable hovers, indoor and outdoor separate brooders, indoor





## NORMAN'S S. C. W.

## Leghorns

Are large long bodied, vigorous, free range birds, bred for heavy egg production. We use nothing in our breeding pens but, yearling hens, mated to large, vigorous, males of standard type. Let us book your orders for hatching eggs and baby chicks. Mention A. P. J.

## A. G. NORMAN

S. C. White Leghorn Specialist  
Box 31 Chatsworth, Ill.

## Baby Chicks and Eggs

From our large, strong S. C. White Leghorn breeding stock, produced layers for many of our 1912 customers in 4 months, 10 days to 4 months, 25 days. The breeders are carefully selected egg producers. Chicks per 100, Feb. \$13.00, March \$12.00, April \$11.00. Eggs half these prices. Place orders now. Mention A. P. J.

Joseph Stenz & Sons, FOND du LAC, WISCONSIN

## MORE MONEY IN Belgian Hares THAN IN POULTRY

We have issued an illustrated booklet, "Why You Should Breed Belgian Hares," which is comprehensive and complete. It gives you the history of the Belgian Hare, together with facts as to the profit in raising them, how to house and feed them, how to mate and breed, care of the young, recipes for cooking, and many valuable notes. The regular price of this booklet is ten cents, but we will send it to you FREE upon receipt of a postage stamp. Write us today.

## M. E. POPE &amp; COMPANY,

Breeders and shippers of "The Finest Hares That Grow." Executive Office 210 West 56th St., New York.

## Don't Read this Ad C. L. Cunningham &amp; Son Poultry Farm

Breeder of Single White Orpingtons. Have mated up 9 pens of the greatest White Orpingtons for this season, all pens headed by a ribbon winner. The hens and pullets are out of their great laying strain. Utility first then Quality. We have more show birds this year in our pens than ever before. We have always made satisfied customers and when dealing with them you get what you order. Eggs are ready to ship out now. Fertility great. We have sold all of our surplus stock except a few very choice pullets and a few cockerels.

Caruthersville, Missouri

## PFILE'S 65 VARIETIES

Land and water fowls. Farm raised. Stock and eggs in season. SPECIAL SALE OF INDIAN RUNNER DUCKS. 300 choice Indian Runner ducks for sale at \$2.50 each; \$4.50 per pair; \$6.50 per trio; also booking orders for duck eggs now at \$1.75 per 11; \$3.25 per 22; \$6.00 per 50. Send 2c for my valuable illustrated descriptive poultry book for 1913. Address,

Henry Pfile, Box 600, Freeport, Ill.

## ROSE'S ORPINGTONS WIN EVERYWHERE.

Following up their great record of wins at Madison Square Garden, 1911, of 1st cock, 1st and 3d hen, 2d, 3d and 6th cockerel, 1st pullet, 2nd pen and \$25.00 gold special for best display of Black Orpingtons, Canadian National Exhibition, Toronto, New York State Fair, Syracuse, Allentown, Pa., and Hagerstown, Md., with a sensational performance of winning 18 out of 21 possible first prizes at the four last named great shows this autumn, the famous Black Orpingtons of Major Hugh A. Rose, Fonthill, Ontario, Canada, have set up another mark of their excellence of quality.

With the Madison Square Garden and Baltimore shows coming on the same dates, Major Rose split his string of Blacks, sending one team to Baltimore, winning 1st cock, 3d and 5th hen, 1st and 2d cockerel, 1st and 3d pullet, 2d pen, special best display, gold special two best males and four females, and grand special best bird in English classes, while the other team at Madison Square Garden won 2d cock, 4th hen, 2d cockerel, 4th pullet, 2d pen. At the Garden show, many notable sales were made by Major Rose, including the sale of his second prize cockerel for \$200.00.

The next week with his two teams of Blacks coming together at the great Boston show, he succeeded in landing 1st, 2d cock, 1st, 2d hen, 1st, 5th, 6th cockerel, 1st, 2d, 3d pullet, 1st, 2d pen, special best display, special best three cockerels and three pullets, special best two pens. At the Madison Square Garden show in Bufts he won 2d hen, 3d cockerel, 1st pullet, 4th pen, and at Boston 3d cock, 1st hen, 5th cockerel, 6th pen.

Business has never been so brisk as at the present time at his Orpington Farm, and he still has many high-class specimens to dispose of at moderate prices. Egg orders are now being booked, and will be filled in strict rotation. His catalogue describing the matings for the coming season, and his method of doing business, is free for the asking. Be sure to write for one of these attractive catalogues.

Major Rose desires us to state that he pays the duty on all birds sold by him to customers in the United States, and also that there is no duty on eggs shipped from Canada to this country.

Mr. H. T. Alberding, North Judson, Ind., has successfully bred Silver Spangled Hamburgs for some years, and is acknowledged authority on mating and producing high-class winners for show all over the country. His quarters are limited and he has no room for anything but the best. As layers they make good and produce the eggs on the smallest possible amount of feed. Mr. Alberding has some very choice Buff Orpingtons, too, and has a few fine soft buff cockerels for sale at most reasonable prices. His latest winnings are on Silver Spangled Hamburgs at North Judson—1st and 2d cockerel, 1st, 2d and 3d pullet, 1st and 2d trio, and silver cup Buff Orpingtons, 1st and 2d trio and special for best Orpingtons in show, all varieties competing. South Bend, Ind., Dec. 3 to 7. S. S. Hamburgs, 1st and 2d cockerel, 1st and 2d pullet, 1st and 2d hen, 1st and 2d pen. Get one of his cockerels to improve your strain. Mr. Alberding has the goods and he will treat you right.—H. H. Coburn.

The H. W. Johns-Manville Co. have recently opened a new southern warehouse at No. 31 1/2 South Broad street, Atlanta, Ga. The entire building, embracing three floors and a basement, with a total floor area of about 10,000 square feet, will be utilized exclusively as a warehouse for a stock of such J-M products as roofing, boiler and pipe coverings, cements, packings, fire extinguishers, electrical, railway and automobile supplies. A feature of particular advantage in this new site will be found in the location of the Atlanta office of the H. W. Johns-Manville Co. in the same building with the local warehouse, which will materially help to minimize the chance of delay in deliveries.

Sandy Lick Poultry Farm, Pittsburg, Pa., reports the following winnings at the Pittsburg show last month. On Black Orpingtons: 1st pen, 2d and 5th cock, 3d and 5th hen, 4th and 5th cockerel, 5th pullet. On Buff Orpingtons: 2d cock, 3d hen, 4th pullet. On White Orpingtons: 2d cock, 7th pen. This winning was made in competition with the best birds in all varieties and is evidence that this farm has as good as can be produced. For further information address Sandy Lick Poultry Farm, 966 Liberty avenue, Pittsburg, Pa.

## MARTIN'S ALARM SYSTEM SAVES WORK, WORRY AND MONEY. INSURES MORE AND BETTER CHICKS.



(Patented)

The original and only practical alarm system for incubators—adapted to all makes, shapes and sizes—can be installed in a few minutes by any one and will last a lifetime. The "contact-arms" may be instantly adjusted to ring the bell at any degree desired: they are usually set at 100 and 105. One common dry battery will operate the bell a season for any number of machines.

Martin's Alarm System will enable that incubator to call when it needs attention. Think what this service means to you and your chicks—consider the effect it must have on your poultry profits. It is used and recommended by prominent poultrymen and Government Experimental Stations.

## Here is a Sample Letter:

Keystone Hatchery, Altoona, Pa., Feb. 5, 1912.  
Martin Mfg. Co., Broadway, Va.

The electric alarms secured from you some months ago are sure working fine. Have one on each of my mammoth machines and while our house is over 200 feet from the cellar the bell rings nicely in the house as soon as the temperature goes a degree either hot or cold. Am also using one for a safety device in my building and have it arranged that should the building for any reason get afire it would not burn long until we would know it. I consider your alarm a wonderful invention and have them guarding over 23,000 eggs for me at one time.

J. W. PARKS

Proprietor of hatchery and well known Barred Rock specialist.

## Why Not Let It Guard Your Eggs—Insure Your Hatches?

Progressive poultrymen everywhere are doing it. Why? Because it was the one thing needed to make artificial incubation pleasant and profitable. The cost is trifling and it is sold on approval. See trial offer below.

## PRICES AND TRIAL OFFER.

An "Alarm Outfit For One Incubator," complete, with "Alarm Attachment," Special Switch, Bell and "Instruction Sheet," price, \$2.75. Additional "Alarm Attachments," complete, with Connector, \$1.75. Batteries and the insulated wire can be secured at any hardware store. However, when desired, we can furnish wire at 30c. per 100 feet. Tear out this ad, fill out the attached Order Blank and mail to us to-day, and we will send your Alarm Outfit by return mail Postpaid. Use it through two hatches, and if you are not satisfied, return it and we will refund every cent of your money. Don't chill or cook another chick, but order NOW—you run no risk. Address,

Martin Mfg. Co., Broadway, Va.

Find enclosed \$..... for which send by return mail an "Alarm Outfit For One Incubator"..... Additional "Alarm Attachments," and..... feet wire. If this Outfit is not satisfactory, it will be returned and you are to refund my money.

Name .....

Town .....

R. F. D. .... State..... A.P.J.



## AN ELABORATE EXHIBITION.

One of the principal features of the great Armory Show held at Louisville from December 23 to 28 by the South Central Poultry Association was the spacious exhibit made by the Maywood Poultry Farm, Anchorage, Ky.

Just inside the main entrance of the hall a special booth, or in reality a miniature show room, occupied a space of 20x25 feet, arranged with coops along the three walls in a U shape. In these coops were displayed White Leghorns, White Wyandottes and White Orpingtons. An interesting feature of the birds was that they had not been conditioned nor had they been washed. Even this way they made a better appearance than many of the conditioned and washed birds. Above the coops there was a rack on which were displayed two rows of large pictures, about 100 in number, showing many interesting views and scenes of the farm. Among them were framed ribbons of various winnings, membership certificates of the American Poultry Association and specialty clubs. The center of the booth was a unique feature of the show room—a resting place with a number of chairs and a table in the center

December, 1912, on White Orpingtons he won 1st and 2d cock, 2d and 3d cockerel, 1st and 2d pullet, 1st pen, special for best pen, sweepstakes for best cock, cockerel, hen, pullet and pen, sweepstake for best pen in show. He reports some very tempting offers for some of these birds, but did not accept them for the reason that he wishes to retain all of the winners for his own pens this year. For further information address C. A. Keefer, Muskegon, Mich., and mention American Poultry Journal.

Chas. G. Pape, Fort Wayne, Ind., the famous S. C. Black Minorca breeder, made the following grand winning at the late New Orleans show, the "Madison Square Garden Show" of the South: First and 2d cock bird; 1st, 2d, 3d and 4th hen; 1st, 2d and 4th cockerel; 1st, 2d, 3d, 4th and 5th pullet; 1st, 2d and 4th pen; championship cock bird of the show; president's cup for best cock, hen, cockerel and pullet; "trophy cup" for best 2 cocks, 2 hens, 2 cockerels and 2 pullets; silver cup for best pen of Minorcas; silver medal for best cock bird in the show; gold leg band for best cockerel and pullet in the medium class; gold leg band for the best cock bird in the show; A. P. A. medal and diploma for best S. C. Black Minorca cockerel; cash

They have sold all the birds they have to spare except a very few choice ones. They have won their share of ribbons this season wherever shown. Write them your wants and they will take good care of you and make you a life-long customer, as their motto is to satisfy.

The Ohio Poultry Plant, W. R. Shepard, manager, Wellington, Ohio, entered 13 of their White Wyandottes at the late Wellington show and won 1st and 3d cock; 1st, 3d and 4th cockerel; 1st and 2d hen; 1st, 2d, 3d and 4th pullet; 1st and 2d pen; best pair; best display of Wyandottes, all varieties competing, and best pen in American class. He is offering stock at greatly reduced prices for this month. Write and mention American Poultry Journal.

Mr. Barnett, manager of the Brookside Farms, Great Barrington, Mass., was a visitor at the late Madison Square Garden show, where he met a number of old friends and made many new ones. The Brookside Farms is probably one of the best equipped poultry farms in the East and under the management of Mr. Barnett has come to the front very rapidly during the past year. This farm makes a specialty of White Leghorns, Barred Rocks and White Orpingtons. This last season they raised 7,000 birds



on which were souvenir post cards, souvenir egg records and souvenir incubator records for the visitors. Mr. Straus, proprietor of the Maywood Poultry Farm, received many compliments on the display and on the birds he exhibited.

He also had a number of birds in competition and in spite of an unfortunate mishap, his entire string of birds being soiled before judging, and in the hottest competition ever known in the locality, the entire string of Chicago winners being entered, the Maywood birds carried off third and fourth pens, third pullet, fifth cockerel and fifth cock.

The officials of this show and visiting officials from other shows could not speak highly enough of the special display, and are trying to influence Mr. Straus to take the same exhibit to Chicago and to some of the other big shows next year, which will probably be done.

At the Grand Rapids, Mich., show in a class of 185 White Orpingtons the exhibits of C. A. Keefer, of Muskegon, Mich., was one of the main attractions. He reports the following winnings: On White Orpingtons, 2d, 3d and 4th cock; 1st cockerel; 1st pullet; 4th hen; 1st pen; special for best pen; special for best exhibit in English class. On Buffs, 1st cock; 1st cockerel; 1st and 2d hen; 2d pen; special for best exhibit. At Kalamazoo, Mich.,

special for best shaped male and female Minorca; 1st and 2d prize for white eggs; 1st and sweepstake prize best egg display. His catalog will be mailed to anyone interested in good Minorcas. It contains list of our winnings, matings and special offer to beginners.

Alfred P. Edge, of the Darlington Egg Farm, Darlington, Md., has favored us with a copy of his 20-page booklet on handling baby chicks. This booklet is chock-full of valuable information on raising of chicks and as it costs only 4 cents in stamps, no doubt all our readers will send for a copy and mention American Poultry Journal.

C. L. Cunningham & Son, Caruthersville, Mo., have been exerting all their efforts this year to have as good stock as any breeder in their pens. They have mated up nine pens for the season's trade and the birds in these nine pens are as good as can be found anywhere, as they are large hens, and pullets that were early hatched; they are pure white and the best type of the true White Orpingtons. The males that head these pens are all ribbon winners and it would be hard to find a whiter lot of male birds anywhere and very few as white. They are now booking orders for eggs to be shipped at once. If you are in the market for some choice birds, better write them for a full description of their pens.

from these. They have selected 1,300 of the finest yearlings for the production of day-old chicks and eggs for hatching. Their prices for both day-old chicks and eggs are very reasonable and especially so when the quality of their stock is taken into consideration. They are now booking orders for both eggs and chicks and their catalogue will be sent on application by addressing Brookside Farms, Box C, Great Barrington, Mass., and mentioning American Poultry Journal.

The majority of poultry raisers believe that ground food or soft food should form a part of the daily ration and that it is desirable to feed soft food in the morning as it will be digested and assimilated quicker than will whole grain. And all of them admit that pure water at all times should be provided. Not only as the first prevention of sickness among the birds but also because it adds to their productive value. Mr. A. B. Moe, Otis Building, Chicago, has solved the pure water problem with his top-fill continuous supply drinking fountain and has also invented a rat destroyer that insures the safety of your fowls while poisoning the rats in your poultry yard and buildings and everybody knows that rats cause the farmers and the poultry raisers of the United States millions of dollars every year.

## Barred Rocks—S. C. Brown Leghorns

Winners at M. S. Garden, N. Y.; Buffalo, Detroit, Boston, Rochester, etc. They have won the leading prizes at our best shows for years. They breed true with satisfactory results assured in type, color and laying qualities. Our latest win at the Great Buffalo International Show, January, 1913, is the keynote to success. Our Leghorns set a new high-grade mark and show record by winning more points than all others. Cock, 1; Hen, 1-4; Cockerel, 5; Pullet, 1-2; Pen, 1. Silver Shield for Best Display and all Specials. At the late M. S. Garden, N. Y. Show, 1913, Pen, 2; Hen, 5. At Rochester, 1913, Hen, 1-3; Cock, 3; Cockerel, 2; Pullet, 1-2. Special Mating Cockerels, 1-2; Pullets, 1-3, and Specials. Our Barred Rocks have done equally well, winning at Buffalo Cockerel 2nd and Shape Special; Pullet 4th and Shape Special; Pen 2nd; Cock 3rd. A grand lot of choice birds in both varieties for sale. Write your wants. Eggs for hatching. Circular free.

L. B. RESSEGUIE

BOX 404

MILLERS, NEW YORK



## WINNERS OF CHAMPIONSHIPS.



JIM ROHAN'S Belle City Incubator is now a five time Champion. The fifth championship was won by Mr. F. E. Bennett of Ohio, who won his prize in the 1912 Successful Farming Contest. Mr. Bennett's prize was the third won by the Belle City Incubator in as many consecutive years in this very same yearly contest.

In the accompanying panel, Mrs. Laura J. Clark's photograph appears at the top. Mrs. Clark won the great Missouri Valley Farmer and Nebraska Farm Journal contest in 1911, with a record of 140 chicks from 140 eggs. Below Mrs. Clark's photo is a picture of Mr. W. J. Black, who was a winner in the Successful Farming Contest of 1911, with a record of two 100% hatches. The third photograph from the top shows Mrs. M. J. Clifton, winner of the 1910 Successful Farming Contest, with a record of 140 chicks from 140 eggs. Just above Mr. Bennett's photo at the bottom is a picture of Mrs. F. H. Osmen, who won the beautiful gold lined, silver "Tyco" loving cup offered by the manufacturers of Tyco's Thermometers for the best hatch.

Jim Rohan is indeed fortunate to be the manufacturer of the incubators that won these great contests. It begins to look as if he had the correct principle of construction and that he uses the right kind

of material to make a successful hatcher.

Mr. Rohan says: "I am proud to have been the manufacturer of so many championship winning incubators. When the same make of machine wins so consistently it proves that 'luck' didn't have anything to do with it, but instead, the incubator must have been simple, accurate, safe, and sure—and the people who operated them are undoubtedly the kind of men and women who deserved to win these great contests."

The Belle City Incubator looks like other machines but it is different in construction. It has a simple, perfect self-regulator, a fine hot-water heating system, copper tank and boiler, safety lamp; double walls and double door, with dead air space all over, with roomy nursery and strong egg tray. Equipped with "Tyco's" thermometer, egg tester, burner, funnel, and everything you need, including valuable instruction book on operation, hatching and care of chicks.

The Belle City holds 140 eggs. Jim Rohan's price is \$7.55. The Belle City Brooder, 140 chick size, costs \$4.85. Mr. Rohan has been making an attractive combination offer of \$11.50 for both machines, freight prepaid, anywhere east of the Rockies, and allows that far to people who live beyond.

Mr. Rohan has invited our readers to write him a postal card for his new book of Hatching Facts. It's a good idea to do that if you are planning to purchase an incubator or brooder. Rohan's address is Box 27, Racine, Wis.

The English Indian Runner Club of America was recently organized with the following officers: O. F. Sampson, president, Youngs, N. Y.; W. J. Patton, secretary and treasurer; J. C. Knapp, vice-president, 1911 East 47th street, Chicago, Ill. Board of directors: Charles Fraser, Marlton, New Jersey; J. G. Enraght Moony, Unclut, B. C., Canada; Mrs. D. O. Teasley, Anderson, Ind.; Mrs. L. B. Anderson, Bainbridge, N. Y.; Mrs. M. E. Plaw, Fruitvale, Cal.; W. W. Bussey, Birmingham, Ala.; T. W. Taylor, Leesburg, Fla.; E. E. Bohis, Taylor, Tex.; C. E. Peck, Itabo, Cuba. Official club judges: Charles Fraser, J. C. Knapp and J. G. Enraght Moony.

# OWEN FARMS

## THIS YEAR'S WINNINGS

Owens Farms has just completed the greatest winning season it has ever experienced in its history. It has shown a large string of birds in all its varieties at Augusta, Atlanta (Georgia), Nashville, Memphis, Chicago and New York. We have won between FOUR and FIVE HUNDRED RIBBONS at these shows in the hottest classes and the strongest competition ever met by any one. These winnings have been made by practically different birds in each and every show, so that today never did Owen Farms, or any farm, for that matter, possess so many winning birds at one time as we have here now. The result is we have a large number of proven birds for sale. We also have brothers and sisters of these winning birds in large numbers for sale to improve the stock of any breeder in the country. For foundation stock I am positive that we can start you right and give you success from the very beginning.

Our prices on stock are always low when quality of birds is considered, and you can, if you wish, get from Owen Farms a little better quality for a little less money than you can from any other farm in the United States. One act on your part more than another that will help you in starting right is to give us an accurate idea of what you wish. So often we receive a letter asking us what we have in a certain variety, and the prices. Every one knows that the prices on thoroughbred poultry and foundation stock vary according to quality. If you would give us an idea of what quality you want and the price you want to pay, we can then describe and give you accurate statements and a proposition concerning just what you are wanting that we are sure you would approve. Nothing allows us to get so thoroughly in sympathy and touch with you as a buyer as a frank statement on your part of what you want.

## Eggs for Hatching

We have said in our January advertising that this is going to be a great year for Owen Farms' customers. This is particularly true of all of its customers buying eggs for hatching. We have more winners in our pens, far better quality in the individual birds and better mated than in any previous season and that we shall in every case give astonishing results and winning birds as the result of our eggs this year we are far more confident than ever before.

Our mating list contains 75 pages. It is a book well worth having in your possession. Our catalogue and mating list of the previous year has 131 pages. Both of these are yours for the asking.

**SEND FOR OUR CATALOGUE 131 PAGES AND OUR 1913 MATING LIST 75 PAGES. A POSTAL BRINGS THEM.**

## Egg Prices

Our prices this year are somewhat different than last. We have eggs at \$5.00 per sitting, \$30.00 per 100, from grand birds mated to produce excellent results. We have wonderful mated pens at \$1.00 per egg. Some special pens from which you can secure a whole sitting at \$1.50 per egg, and some pens, these being very limited in number and also limited in number of eggs to be sold from them, at \$3.00 per egg. Our mating list tells all about it.

## Foundation Stock

We have said many times during the year that we have raised more and better birds than ever before, and this time finds us with a magnificent large lot of the very best birds we ever bred and raised. We can do wonderful things for you in improving your stock or in founding a new flock. You owe it to yourself to write and inquire about it, telling us your needs and wishes and letting us make you a proposition concerning it. We confidently say that we are THE AUTHORITY on the breeds we offer for sale. We have done larger and better winning in them than any one else. We have judges of these varieties that cannot be excelled in the United States, and when we tell you anything about a particular variety you can rely upon its being as good information and as honest in statement as anybody in the world can make.

Again we repeat, we are THE AUTHORITY on

**White Orpingtons    Buff Orpingtons**  
**Black Orpingtons    White Plymouth Rocks**  
**White Wyandottes    Single Comb Rhode Island Reds**

## Barred Rocks

We would respectfully inform our many friends and customers, and the public generally that we have sold our entire Barred Rock flock, all of our birds without reserve, together with our good will, to W. W. Henderson, Bridgeton, Missouri. We heartily recommend all of our friends to inquire directly of him for Barred Rocks.

## Rose Comb Rhode Island Reds

We would respectfully inform our many friends and customers and the public generally that we have sold our entire flock of Rose Comb Reds, all of our birds without reserve, together with our good will, to the Buschmann-Pierce Red Farms, Carmel, Indiana, and we heartily recommend all of our friends to inquire directly of them for Rose Comb Reds.

# OWEN FARMS

WM. BARRY OWEN, PROPRIETOR    MAURICE F. DELANO, MANAGER

**107 William Street : Vineyard Haven, Mass.**



# Most Popular Poultry Book

## EVER PUBLISHED

Over half-a-million Philo System Books have been printed in the past five years. More than of any other poultry book ever published. Thousands of followers of this System are proving it a success in all parts of the World. To show our confidence in believing that this book will show you new possibilities for developing a successful poultry business, we will send the book

### ON FREE APPROVAL

The Philo System is unlike all other ways of keeping poultry, and in many respects is just the reverse, accomplishing things in poultry work that have always been considered impossible, and getting unheard of results that are hard to believe without seeing.

The new System covers all branches of the work necessary for success from selecting the breeders, to marketing the product. It tells how to get eggs that will hatch, how to hatch nearly every egg and how to raise nearly all the chicks hatched. It gives complete plans in detail how to make every thing necessary to run the business, and at less than half the cost required to handle the poultry business in any other manner.

**Two pound broilers in eight weeks** are raised in a space of less than a foot to the broiler and the broilers are of the very best quality, bringing here three cents a pound above the highest market price.

**Our six months old pullets** are laying at the rate of twenty-four eggs each per month in a space of two square feet for each bird. No green cut bone of any description is fed, and the food used is inexpensive as compared with the food others are using.

**Don't let the chicks die in the shell.** One of the secrets of success is to save all the chickens that are fully developed at hatching time, whether they can crack the shell or not. It is a simple trick and believed to be the secret of the ancient Egyptians and Chinese which enabled them to sell the chicks at ten cents a dozen.

**Chicken Feed at 15 Cents a Bushel.** Our book tells how to make the best green food with but little trouble, and have a good supply any day in the year, Winter or Summer. It is just as impossible to get a large egg yield without green food as it is to keep a cow without hay or fodder.

**Our new brooder saves two cents on each chicken.** No lamp required. No danger of chilling, over-heating, or burning up the chickens as with brooders using lamps or any kind of fire. They also keep all

the lice off the chickens automatically, or kill any that may be on them when placed in the brooder. Our book gives full plans and the right to make and use them. One can easily be made in an hour at a cost of twenty-five to fifty cents.

Our book, "The Philo System of Progressive Poultry Keeping," gives full particulars regarding these wonderful discoveries with simple, easy-to-understand directions that are right to the point. Instructions are given for building the colony coops and other appliances of the System. For some of these we have U. S. Letters Patent, and patents are pending for others, but purchasers of the book are given the right to make and use these appliances. This System is especially adapted to the beginner, requiring a very small initial outlay, and admitting of increase as rapidly as the poultry keeper learns the work. It is the small unit plan that expands as readily as the "Sectional bookcase." Each season since 1907 thousands of Philo System Poultry plants have been established and are wonderfully successful. Whether you intend to make poultry keeping a business, a recreation, or to provide an addition to the present income, this System will solve your problems. In less than six years, eighteen editions have been printed, nearly half-a-million copies.

This System will be demonstrated to you or to anyone, at the Elmira plant of the Philo National Poultry Institute, where over 5,000 chickens are raised on less than a half acre of land.

The Poultry Review, monthly. A progressive poultry magazine edited by E. W. Philo, with able assistants. Devoted to the most practical and economical methods of keeping poultry for profit, especially in small flocks or units on city or town lots. The Review is printed on a poultry farm where the editors have every opportunity to keep in close touch with actual poultry work under all conditions. It is edited for the practical poultryman; no theoretical articles are published, but many theories are carefully tried out in our own yards and results published in the Review.

### FIVE NEW PHILO SYSTEM BULLETINS

No. 1. The New Philo Utility Coop. Reduces labor to the minimum, and has advantages for the poultryman who wishes to keep 50 hens or more. Working drawings and specifications are included.

No. 2. Care and Feeding to Produce Market

Eggs at Lowest Cost. Detailed instructions for preparation of food. Exact quantities to use, when and how to feed, showing how eggs were produced at 7c a dozen.

No. 3. The Shortest Road to a Successful Poultry Business. Tells the best way to make a

start in the poultry business; how to buy stock that will increase in value; the most common mistake and how to avoid it; how many fowls to keep; the profits to be expected from the Utility Poultry business.

No. 4. The Philo System Breeding Chart. This

plan is the outgrowth of years of investigation and practice by E. W. Philo.

No. 5. The Greatest Profit From Farm Poultry. A new plan of farm poultry keeping that reduces the expense of installing and operating from 25% to 50%.

### A SPECIAL OFFER

You run no risk in finding out for yourself what this book will do for you. Send no money. Simply write a postal saying "I accept your approval offer" and we will send the book and one copy of the Poultry Review on approval. After reading the book, you can send us \$1.00 and we will enter your subscription to Poultry Review one full year—twelve issues—and give the book as a premium, or you can return the book in ten days and no charge will be made.

If you prefer to save us book-keeping expenses—send \$1.00 for the book and Review one year, and we will include the set of five Philo System Bulletins. Satisfaction guaranteed or your money back. Send your order now.

**E. R. Philo, Publisher, 315 North Ave., Elmira, New York**



**G. F. STEWART, COSHOCTON, OHIO.**

Mr. G. F. Stewart has bred high class Silver Laced Wyandottes for many years, and openly declares he will raise them many years more, no preventing Providence. In his hands Silver Laced Wyandottes have proven themselves all a true fancier could hope for, and are unsurpassed as a utility breed. It is not how many, but how good, with him, so he has no room for anything but the best. We visited him in October and I never saw finer Laced Wyandottes. And not only were they indiscribably grand in lacing, but were large and grand in shape—tails well spread and head points excellent. Mr. Stewart raises all of his young stock on range and gives his breeders such excellent care the eggs seem remarkably strong in fertility. Mr. Stewart breeds from five to six pens and sells eggs from same pens as he sets himself. He has nothing on the side—thus applying the golden rule. The Stewart Silver Laced Wyandottes won in Cleveland (1910) on 3 entries, first pen, second cock and third pullet. Coshocton (1910), all firsts, seconds and specials. East Liverpool, President's cup for best pen in entire show; also all specials on Silvers. Newark, best display and all specials. Columbus (1911), 2 cocks, 3 hens, 3 pullet, 2 pen in class of 65. Cleveland (1911), 1 cock, 1 hen, 5 cockerels, 3 pullets, on four entries. Coshocton (1911), cup for best display of Wyandottes, all varieties competing, and all specials on Silver. Coshocton (1912), special for best display in entire show, and all specials on Silvers. Mr. Stewart puts out a fine catalog, which shows pictures of his famous winners and plainly states his method of doing business and prices. It is a wonderfully neat little book. Look up ad and write for catalog. Address G. F. Stewart, Coshocton, Ohio.—H. H. Coburn.

**WEJA FARM, NORTHFIELD, OHIO.**

One of the most beautiful, progressive and up-to-date poultry farms in our broad land is Weja Farm, picturesquely located, 16 miles south of Cleveland, on the A. B. C. electric line, stop 45, where classy Single Comb White Leghorns are raised and bred, by the thousand, for the fancy and utility end of the business. Mr. W. W. Darley, one of the most affable and entertaining young men, as well as a thorough fancier and man of great resources and keen intellect, is the owner and proprietor of this great specialty farm, where things are done on the wholesale plan. When starting into the fancy poultry business Mr. Darley bought out two of the best Single Comb White Leghorn experts in the business, Messrs. D. D. Whitaker, whose strain of Single Comb White Leghorns were known as the Edelweis strain, and Harmon Bradshaw, of Lebanon, Ind., and then with his business foresight, engaged both Messrs. Whitaker and Bradshaw for his superintendents, thus combining two great authorities and making a great team. Weja Farm consists of 130 acres of as fine a soil as there is in Ohio. Its fine drainage and abundant shade especially adapt it for the raising of the best and whitest Single Comb White Leghorns produceable. All the buildings are painted cream color, and the neat appearance of every thing in general, together with the fine grounds and beautiful trees, make the view most prepossessing. Under Mr. Darley's watchful eye and the thoroughness of Messrs. Whitaker's and Bradshaw's methods one can imagine the "sanitariness" of the conditions. The buildings are many and built with a view of the most possible convenience, and pleasing to the eye, and in harmony with the fine dwelling and grounds; and as follows: one laying house, 16x176 feet; 1 breeding house, 20x94 feet; 1 breeding house, 14x64 feet; another breeding house, 20x30 feet; 24 portable colony houses and incubator cellar, with a capacity of 9,000 eggs. Brooder house capacity 6,000 chicks. When the plant is completed it will house 10,000 layers, beside hundreds of males reserved for the fancy trade and own use. Weja Farm is planning to build up a large fancy market egg trade, using sealed cartons, and guaranteeing every egg to be perfectly fresh and from healthy stock, fed on the most wholesome foods. They are now in shape to handle a large baby chick business and ship chicks in special boxes, and assuming a safe arrival regardless of distance, season or weather. They also ship thousands of eggs in 1, 2, 3 and 500 lots, as well as hundreds of settings. It goes without saying, inasmuch as this farm caters to the fancy market trade, that anything running short of 200 eggs per

**PARKS' STRAIN OF BRED-TO-LAY****Barred Plymouth Rocks**

Have laid their way into popularity. They represent over twenty years of careful selection, and trapnesting for eggs, in addition to being bred close to the standard requirements, as our recent winnings show. Have no more cocks or pullets to spare, but a very nice selection of hens together with a nice lot of big, husky, healthy, well marked, hen-raised cockerels. Cockerel circular free. Am booking and filling orders for eggs. Selected eggs, \$5-15, \$8-30; \$11-50, \$20-100. Incubator eggs, \$2-15, \$6-50, \$10-100. Day-old chicks after March 1. Chick cir. and large 36-pg. cata. free.

**J. W. Parks : Box J : Altoona, Pennsylvania**

**10,000 Roup Remedy Samples FREE**

We want to send to every reader of this paper a **Free Sample of B-K (Bacili-Kil)** the new non-poisonous, powerful, scientific compound which leading poultrymen say "knocks roup and kindred diseases quick." We want to prove it to you **before you buy**, therefore send for **Free Sample** today.

10 times as powerful as carbolic acid, but **Non-Poisonous**



**Odorless, Colorless, Germ Destroyer and Disinfectant**

For Cholera, Roup, Gapes, White Diarrhoea, etc. Will not cause fowls to drink less nor hens to slack up laying. Solves the poultry disease problem. Cost is trifling. One drop of B-K in 5 tablespoonfuls of water kills the roup germ.

Read this: "Received the 2 gal. B-K and like it very much. Our hens and chicks were dying with Roup and Cholera. We put B-K in the drinking water and sprayed the coops and houses and it did the trick all right. Our hens were coughing and we gave them B-K and they were soon well and healthy."—HENRY A. TAYLOR, Elkhorn, Wis.

Send for sample—prove it on your own fowls and farm animals. You'll be amazed at the results. Don't wait. Now is the time to test it—not after you have suffered heavy loss. **GENERAL PURIFICATION CO., 625 Pioneer Bldg., Madison, Wis.**

**Get a Yesterlaid Hatch!**

the Strain that lays heavy when egg prices are highest!

Below is a case of Yesterlaid Eggs. These eggs brought 63c a doz., wholesale, for table use, because they were laid when egg prices were highest and because their large, uniform size and dead white color command a premium of 5c to 20c in any

market! Hens that lay premium bringing eggs when the price of any eggs are 'way up, mean profits!

**Yesterlaid Range Raised Laying Leghorns**

have been specially bred for generations to be heavy winter layers of such eggs. A Yesterlaid hatch will give you a foundation of heavy winter layers of these premium price bringing eggs.

**95% fertility reported!**

A majority of reports on Yesterlaid hatches show 95% fertility. Yesterlaid methods of mating and feeding are such that high fertility is certain. Eggs from Yesterlaid breeders are large, dead white and uniform in size. Chicks hatch from these eggs like popping corn and inherit the vigor and strength of their famous progenitors—Lusty Tom and Lady Laymany—quickly developing into plump broilers or heavy winter layers of premium eggs.

Twelve experiment stations have ordered Yesterlaid stock because of super-superiority!

Here's what one says: "I am delighted to find your claim of 95% fertility substantiated. Of 100 eggs sent, we found only 3 infertile and one dead germ." Prof. W. A. Lippincott, Kansas Agricultural College: Some others make these reports: "The eggs I bought of you hatched 28 chicks from 30 eggs." G. Kennedy, Wright City, Mo. "Last Spring I bought eggs from you. The first pullet to lay started at 4 months and 11 days." B. Smith, Englewood, N. J. "Yesterlaid chicks developed into prize winners. One won first and sweepstakes as best cockerel in the show. Also won first and sweepstakes as best trio." K. K. Bowman, Bonne Terre, Mo.

**SPECIAL OFFER—to Mar. 1st**

For \$5 we will ship you, express prepaid (east of Rockies) two settings (30 eggs) of specially selected eggs from our first grade Standard matings—regular price \$6, f.o.b. Pacific. In addition we will send you "Poultrology" free—a complete practical text book on the methods of feeding, marketing, breeding, etc., which have made Yesterlaid Egg Farms so successful—written by the manager himself, Mr. R. C. Lawry. This book alone brings \$1 net. 144 pages—67 pictures. This offer is good only to Mar. 1st—and is made solely to get new customers, for we know that any body who gets Yesterlaid stock will order again. Order now—pin a five dollar bill to coupon, fill it out and mail TODAY.



Name \_\_\_\_\_

Address \_\_\_\_\_

Yesterlaid Egg Farms Co., Dept. A 5 Pacific, Mo.

As per your special offer, I attached \$5 bill (or P. O. Money Order), for which send me, express prepaid, on or about (date) \_\_\_\_\_ two settings (30) eggs especially selected from your first grade Standard matings. It is understood, too, I am to receive, free, the book "POULTRIOLOGY."

Mail order today!



# Bonnie Brook Poultry Farms

S. C. White Leghorns only, in pens or for breeders. Also choice cockerels for sale. Get our prices on eggs for hatching, custom hatching, or day-old chicks. Write for our catalogue.  
**H. L. Davis, Manager - R. D. 3, Saratoga Springs, N. Y.**

## SUNNY SLOPE ANCONA FARMS

THE ACME OF PERFECTION

First at the leading shows in the world—London, England, Cleveland, Toledo, Allentown. We have some of the greatest birds in America in our yards this season, and will have thirty breeding pens mated up with nothing but tested yearling females, acknowledged the very highest type for ideal stock to be raised from. Booking orders for baby chicks and hatching eggs. Illustrated catalog free.

**J. O. SOMERS - R. F. D. 2 - BEDFORD, OHIO**

## ROSE'S ORPINGTONS WIN EVERYWHERE

### BLACKS AND BUFFS

LAST MADISON SQUARE GARDEN, BALTIMORE (same week)  
and BOSTON SHOWS

**Blacks won.** Baltimore, 1 cock; 3 and 5 hen; 1 and 2 cockerels; 1 and 3 pullets; 2 pen; Special best display; Special best bird in English classes. On the same dates we split our string, and with another team of Blacks won at MADISON SQUARE GARDEN, 2 cock, 4 hen, 2 cockerel, 4 pullet, 2 pen, proving beyond question their undoubted supremacy.

**Hugh A. Rose, Frank F. Conway, Mgr., Fonthill, Ontario, Canada**

## If I Buy Baby Chicks Will They Mature Into Pullets Like These?



Will they grow into birds that I can feel proud of and that will lay Winter eggs in quantities, or win the blue ribbons for me, or will they be just scrubs that's the question before everyone who buys day-old chicks. It is not the first price that counts, but will they be right at maturity?

### Caldwell's White Plymouth Rock (Fishel Strain) "Baby Chicks of Quality"

#### From Utility Matings

Will mature into long backed, well made birds pure white in color, that will be the secret of "Winter eggs." Every utility breeder is descended from known good layers that have been bred that way.

#### From Exhibition Matings

Will mature into blue ribbon winners. Every exhibition pen is made up of birds with good combs, of good type and chalk white in color, possessing the rich blood lines of generations of Fishel blue ribbon winners. Our birds were among the principal winners at the Indiana Fanciers' Show, Indianapolis, 1912.

#### Our Flocks Are Vigorous

All Fall our flocks have roamed meadows and woods accumulating health and vigor. They are now in Winter quarters so full of life and vitality that their chicks will be strong and sturdy.

#### Here Is the Caldwell Selling Plan

We are now booking orders for "Baby Chicks of Quality" for Spring delivery. We never have been in such fine shape to handle orders of any size. Our fine plant is fully stocked with the finest birds we ever owned of both utility and exhibition quality. An early placed order enables us to so arrange our hatchings that we save money. By your faith you are entitled to that saving so we will allow you discounts for early placed orders, the earlier the greater the discount. Safe arrival of chicks is guaranteed.

#### A New Catalog Is Now Ready

One of the finest ever issued by any breeder. It tells just how "Baby Chicks of Quality" are produced and describes every grade of stock that we have to sell with prices. A copy is ready for you.

**R. C. Caldwell : Box 1021 : Lyndon, Ross County, Ohio**

year is marketed. Leghorn eggs as a whole running very strong in fertility, and averaging about half cockerels—which are microscopically culled—makes a large broiler business possible, as they are always as healthy and plump as part-ridge. The Weja Single White Leghorns have made good in the show room at such great shows as Chicago, Boston, Cleveland, Pittsburgh, Indianapolis, Youngstown, Ohio, and West Virginia State fairs and many others. Winning at Cleveland, 1912, first and fourth cock, second cockerel, fourth pullet and fourth pen. Three silver cups and silver set club special. Also Cleveland, January 6 to 12, 1913, cock, first, second and third; hen, first, second and third; cockerel, third; pullet, first; pen, first and second. Silver cup for best display. Visitors are always welcome at Weja Farm. Look up ad in this issue, which is appearing for the first time. Cuts of view and birds will be seen later. Write for catalog.—H. H. Coburn.

### PORTABLE POULTRY HOUSES NOW WIDELY USED.

A few years ago if one wanted a new poultry house he sat down with pencil and paper and fretted and worried over the plans, figured out how much lumber, nails, etc., he needed, usually bought too much or too little, hired a carpenter at good wages and gave him his board and lodging free while he was on the job. When the house was completed it was not always what was expected, and when all the bills were paid the job had cost much more than the builder had counted on. But times have changed.

The American people are specialists, and if another fellow can do a thing better and cheaper than we can, we usually hire him to do his work while we spend our time more profitably at the thing we can do best. So it happened that T. F. Potter & Co., Downer's Grove, Ill., have built a large business in ready-made poultry houses and modern poultry equipment. This company will ship you almost any kind of a poultry house you want or any modern equipment you need, and when you receive it you can quickly and without the aid of a carpenter erect it on your place.

The house comes to you in sections ready to put up, all painted, trimmed, tightly fitted at the joints and durably constructed of the best materials. Each house also has the most up-to-date equipment and you are relieved of all the details. Strange to say, these houses can be bought ready made for probably less money than you can buy and build at home. The manufacturer buys his lumber and other materials in carloads at the mills, and cuts, fits and dresses the lumber by automatic machinery so that the saving in the cost of building enables him to quote you very low prices and still make his fair profit.

Another reason why portable houses have become so popular is that they can easily and quickly be taken apart for thorough cleaning or for moving to other locations. Every good poultryman knows that this last feature is a great advantage and a benefit to the health of his fowls.

T. F. Potter & Co. publish a very interesting book called "Modern Poultry Houses and Model Equipment," which shows their full line of portable houses and up-to-date equipment such as feed hoppers, fountains, coops, brooders, and the famous Potter henery outfits with vermin exterminator roosts, sliding nest boxes and vermin-proof drop boards. This book quotes prices that will no doubt save you money if you are in need of anything in this line. The company offers to send this book to any reader of our paper upon receipt of two red stamps to pay postage. In writing for their book we would be glad to have you mention American Poultry Journal.

#### WIN AGAIN AT CHICAGO.

Ira M. Crowther, Willoughby, Ohio, the well known breeder of Single Comb Rhode Island Reds, was again victorious at the great Chicago Show. The first prize hen being the greatest Single Comb Rhode Island Red in the world. It was Reds to the right of you, Reds to the left of you at the great Chicago Show, and the competition was exceptionally strong. Mr. Crowther won 1st and 5th here, and 5th cock against the big breeders of the East, South and West. In two great Chicago shows Mr. Crowther's Single Comb Reds have won 4th and two 5ths on cocks, two 1sts, 4th and 5th on hens, 1st on cockerel and 1st and 5th on pullets, 1st, 2d, 3d and 5th breeding pens



—best color on males, best shape on males, best color on hen, best shape on female lines. This is certainly going some.—H. H. Coburn.

#### F. A. POERTNER, BERE A, OHIO.

Mr. F. A. Poertner's Buff Poultry Farm lies about one mile west of Berea, Ohio, and about thirteen miles southwest of Cleveland, and contains fifty acres of very fertile and productive land, with excellent drainage and abundant shade and fruit trees. The buildings are built in, and on edge of very large orchard, so the conditions are right to grow 'em golden buff. The buildings are almost exclusively colony houses. Mr. Poertner is a most enthusiastic and thorough fancier and a stickler for sanitary conditions. The birds have unlimited range and consequently are very vigorous and healthy. At this writing Mr. Poertner has about 400 winning Golden Buff and buff to the skin, with practically not a suggestion of bronze, black, white or foreign color. The strain of Buff Orpingtons and Buff Wyandottes is known as the Wingold strain, and the famous winners are bred and raised at home. Mr. Poertner is an adept at mating birds to produce buff and never has to import his winners. Mr. Poertner very conscientiously mates up his breeding pens and will mate six pens of Buff Orpingtons and four pens of Buff Wyandottes for coming season. At the Cleveland Show, January 6 to 12, 1913, he won on Buff Orpingtons, second cock, fifth pullet and second pen. Other winners at same show being purchased from him or hatched from eggs purchased from him: Buff Wyandottes, first and second cock, first and second hen, third cockerel, first, second, third and fourth pullet; silver cup for best display. St. Louis, Mo., 1911, on 7 entries; won on Buff Wyandottes, first and second cock; first, second, third and fourth hen; 1 pen Buff Orpingtons, second and third cock; 1 hen, first pen, best display. Indianapolis, 11 entries, Buff Wyandottes, first and second cock; first, second and third hen; first and second cockerel; second and third pullet; first pen, best display and special trophy cup, all varieties competing. Buff Orpingtons, third and fifth cock; second hen; fifth cockerel; fifth pullet; fifth pen. Club meeting Wingolds, the only strain winning in every class and competing with Madison Square and Chicago winners. Winning club cup on best shape female in class of 51. Cleveland, in class of 151, Buff Orpingtons won highest honored prize, first pen, 13 pens competing; also first hen; third and fourth pullet; fourth cockerel. Buff Wyandottes, second and fourth cock second and fifth hen; fourth pullet; third pen and specials. Wingolds surely stood the test in three great shows last year. St. Louis, Cleveland and Indianapolis—75 competitors and 500 birds—won their supremacy, winning 29 firsts, 10 seconds, 12 thirds, 5 fourths and 9 fifths. Look up ad and write for catalog.—H. H. Coburn.

#### KELLER'S GREAT POULTRY FARM, PROSPECT, OHIO.

Everybody knows Keller, one of the oldest breeders of Wyandottes living, exhibiting since the early eighties. We had the pleasure of dining with him January 5 on the way to the Cleveland Show from Columbus. This great Wyandotte farm is in a class by itself. It consists of eighty-five acres and has buildings enough to house over 25,000 birds. When there Mr. Keller had about 2,000 birds on the farm. He has a complete miniature mill on place—most complete and up to date—bins on second floor, which hold 3,000 bushels of grain. Elevators for elevating grain to bins, gasoline engine grinds and mixes all grains—grinds and cracks corn; runs corn sheller, cuts alfalfa; in fact, does everything but get Mr. Keller up in the morning and gather the eggs. He has a feed cooker, too, in mill—a complete outfit.

Cockerel house is 16x70; pullet house, 14x75 feet; 20 colony houses, holding from 50 to 100 birds each. Mr. Keller gets neighboring farmers to raise birds for him. It is always a question of how many with him, as he runs short every year. He has the best Laced Wyandottes of any and his Golden Seabright Bantams are the most perfectly marked birds that ever grew. He ships to every state in the union, as well as exporting a goodly number. The Keller White, Golden and Silver Laced Wyandottes and Seabright Bantams winning wherever exhibited. He had a string at New York when I was there. Has shown at

## CONCENTRATION OF PURPOSE

The concentration of purpose of the Mount Pleasant Farm for the last ten years has produced the greatest known layers.

### THE MOUNT PLEASANT FARM SINGLE COMB WHITE LEGHORNS

DAY-OLD CHICKS  
EGGS FOR HATCHING

500 select cockerels, \$2 each.

Our methods of feeding, selecting and breeding are fully described in our new booklet, free. Write today.

Mount Pleasant Farm : Mount Pocono, Penna.

## Whiting's ROUPENE

Is a REAL cure for ROUP and CANKER that has been tested time after time on the worst cases, and never fails to make a complete cure even when the birds seemed too far gone to live.

With ROUPENE you do not have to shut your sick birds away from the rest of the flock. ROUPENE PREVENTS CONTAGION, and cures not only ROUP and CANKER, but also SOREHEAD, DIPHTHERIA, THRUSH, COLDS, GAGES and all diseases of the breathing organs of poultry.

With a bottle of ROUPENE handy you need not worry about your flock this Winter. Unlike other so-called remedies for Roup, birds cured by ROUPENE are as strong layers and breeders as those that have never had a touch of it. ROUPENE never weakens the birds. 50c and \$1 a bottle.

### Whiting's WHITE DIARRHOEA REMEDY

If your baby chicks are given Whiting's White Diarrhoea Remedy with their first feed they WILL NOT have Diarrhoea; if they already have it Whiting's White Diarrhoea Remedy will cure them. 50c a bottle.

### SEND FOR FREE PRINTED MATTER

And testimonials. We have two most wonderful cures for the worst disease, scourges of poultry raising.

Both guaranteed or money back. Sold by poultry supply dealers or mailed direct on receipt of price.

The O. K. Sales Co. : Department 1 : 160 Pearl Street : New York City, New York



Galvanized Iron, Three Compartment

## FEED HOPPER

Saves feed, saves the worry and trouble of frequent feeding. It has one large division holding about four quarts, and two smaller compartments holding two quarts each. Rat and mice proof. Write for our new booklet B20 which gives complete details of these and other new poultry yard supplies.



Price, \$1.00

Oakes Manufacturing Co. : Tipton, Indiana

## O. K. Model ... Drinking Fountains

The latest and most improved sanitary drinking fountain on the market. It is so constructed as to leave an air space between the water pan and the outside shell which keeps the water cool in Summer and prevents freezing in the Winter. Easy to operate, nothing to break, made in three sizes as follows:

No. 1—6 inches diameter, 9 inches high, capacity one gallon.....\$1.25

No. 2—8 in. diameter, 12 in. high, capacity one gallon.....\$1.75

No. 3—10 in. diameter, 15 inches high, capacity one gallon...\$2.25



New York since 1891 and has won over 300 prizes there, not counting the many specials. Mr. Keller has shown at the Ohio State Show since 1886 and won every first on White Wyandottes repeatedly. One time at Chicago his birds won 39 prizes on 42 entries. At 10 shows in Chicago he won five firsts on White Wyandottes.

Mr. Keller mates 800 birds for the egg trade, and then has to return money. His pullet bred Laced cockerels are simply wonders and have reached a point of perfection that was not dreamed of a few years ago. Write for circular. Address Ira C. Keller, Prospect, Ohio.—H. H. Coburn.

#### MRS. McLANE'S S. C. REDS.

Mrs. Anna McLane, Huron, Ohio, is another woman who is making a success in a small way of the fancy poultry business. Mrs. McLane is an enthusiastic fancier and an excellent judge of good Reds. She raises good ones—and has a few fine cockerels to spare. She is mating up some fine pens for the coming egg trade and hopes to raise Reds of quality by the hundred for her own fancy business, as well as for a fancy egg trade. Her Reds won at Canton, Ohio, first cockerel and third pen—shape and color; special male, silver cup for best cockerel. Cleveland, 6 to 12 (1913), in the hottest kind of competition she won 5th cockerel and third pen on 3 entries, and that is going some for a woman fancier. Write for circular.—H. H. Coburn.

#### DIRK'S RED MITE KILLER.

At last M. E. Dirk, North Baltimore, Ohio, has solved the red mite proposition, and his name ought to get in the hall of fame. A great thing in the favor of Dirk's Red Mite Killer is it is non-poisonous, non-corrosive and non-fume producing, and is perfectly harmless and pleasant to use. Mr. Dirk will ship it on

approval, and if used according to directions and is unsatisfactory, you need not pay for it. This looks like a great risk, but so sure does it do the work that there is no risk taken. It is put up in one-quarter, one-half and one gallon cans. It has been used and recommended by such reliable fanciers as Judge Chas. V. Keeler, Winamac, Ind.; Gerald Williams, Wellington, Ohio; Chas. E. Crane, Carey, Ohio; W. R. Shank, Deshler, Ohio, and many others whose testimonials appear in Mr. Dirk's circular. Send for circular, and don't try to raise poultry without it. It will add dollars to your credit and give the birds a show for their lives. Pity the poor hen and little chicks. Address M. E. Dirk, Box 102, North Baltimore, Ohio.

#### THE E. W. GROVE LEGHORN FARM.

The Single Comb White Leghorn Farm, owned and superintended by E. W. Grove, Jr., Clayton, Mo., is one of the largest, if not the very largest specialty farms in the United States. At all events, it is the most popular. Mr. Grove has invested thousands of dollars in buildings and large sums to get the E. W. Grove Single Comb White Leghorns started with royal ancestry. Mr. Grove is a young man who maintains that what is worth doing at all is worth doing well, and he leaves no stone unturned to practice what he believes and preaches. He has been "brought up and raised" where he is used to seeing things done on the wholesale plan, being the son of E. W. Grove, the great Bromo-Quinine man, who sells over 7,000,000 boxes of Bromo-Quinine annually. He is a graduate of the Washington University, where he specialized in chemistry preparatory to engaging in business with his father, but the laboratory had no charms for young E. W., who had visions of broad acres and thousands of Single Comb White Leghorns, this breed being his favorite since early boyhood. As he grew older he recognized the great financial possi-

bilities in Single Comb White Leghorns, both as an ideal fancier fowl as well as the acknowledged money maker of all money makers on the utility side of the business. Mr. Grove has already distinguished himself and his Single Comb White Leghorns by making the largest sale to any one person ever made in Chicago. This stunt was performed at the Great Chicago Show, December, 1911, where Mr. E. W. made a \$6,000 sale; "secondly," he has the honor of having issued the finest and most costly catalog ever issued by a fancier, at the cost of thousands of dollars; he also issued them in the largest number. To say the book is a work of art is but putting it mildly. To say the famous artist, Mr. Louis Stahmer, did the work will give poultry critics a more definite conception. Dear Reader, do not be misled into thinking the beautiful book is all art; far from it. It is as weighty and full of valuable information as a Single Comb White Leghorn egg is full of meat and strong germs that produce hardy chicks. It is a book that should grace every library table or desk of every breeder or lover of the Single Comb White Leghorn. This valuable information cost Mr. Grove a great deal of study and personal hard work, even to the burning of midnight oil. It tells how to successfully raise and handle Single Comb White Leghorns in both small and large numbers, also how to feed and raise healthy chicks and how to build up a 200-egg per hen per year strain on the least possible cost—in fact, it touches and treats every branch of the business.

This wonderful farm is located on the interurban line, about thirteen miles out of St. Louis, at Clayton, Mo. The location is all that could be desired naturally and commercially, and it contains 120 acres of very fertile and consequently productive land that has fine drainage and hundreds of beautiful shade and fruit trees. The buildings are very fine

OCULUM increases egg yield 20 per cent; a free trial; ad page 280.

### PERKINS' PARTRIDGE PLYMOUTH ROCKS

EGGS FOR HATCHING—20 PENS MATED FOR THE TRADE. 2 pens, \$40; 3 pens, \$50; 4 pens, \$60; 5 pens, \$70; 6 pens, \$80; range flock, \$9 per setting. Beautiful mating list containing colored insert of pair of fowls free.

F. N. PERKINS

22 HARLEM ROAD

FREEMONT, ILLINOIS

BE SURE OF WINNERS, EGG PROFITS AND SATISFACTION BY BREEDING HUNTINGTON'S PEERLESS STRAIN

# S. C. W. LEGHORNS



PEERLESS BELLE

They are the acknowledged leaders of all Leghorns and are unmistakably the greatest money-earning fowl in the world today. In deciding where to place your order have you ever stopped even for a single instant to consider the importance of "keeping away" from injudiciously line-bred or in-bred weak, comparatively unproductive stock and giving preference to birds that you have every reason to believe are correct in the most vital of all things to be considered—health? I have spent fifteen years in carefully and correctly mating White Leghorns for best results and am absolutely certain that you can safely depend on my matings this season to furnish the most productive and showiest White Leghorns that it is possible to produce. I have invested a small fortune in stock to use in the crosses to breed out white-in-the-face, high tails and short station and if you are onto the art of conditioning show birds you can take chicks hatched from eggs from my yards one to four, and have a splendid chance of winning with them at any show in this country. If you are on a city lot or operating an egg farm be sure to read up on our combined utility and exhibition matings. The first cost may be a little more but this quality is the finest available and the price is very economical in the long run. Anyone can make money with birds that lay in Winter like these do. In fact I can see no way to fail. I claim to have matings that will produce winners for any show and you will agree with me when you read my free mating list which I will gladly mail on request. You will be interested in the reports from my customers. They are winning and making money everywhere. Please remember my business is furnishing winners rather than showing them myself, but I did make an exhibit at the Iowa State Show in December, 1912, and won, in the largest uniformly cooped show west of Chicago in recent years: 1-3-5 cocks, 2 hen, 1-2-5 cockerels, 1-2 pullets, 1-2-3 pens, besides three championship cups. I purposely forfeited entry fees at Chicago and my birds were received too late to compete at the St. Louis Show. Whether you are a beginner or experienced breeder or fancier by all means get my free mating list which will put you right and probably mean a big saving in cash. Do it today.

LEON C. HUNTINGTON

: BOX 12B

:

OMAHA, NEBRASKA



and built after Mr. Grove's unique and original plans, and are kept freshly painted. One of the main breeding houses is 15x120 feet and is divided into twelve pens from which are yards 12x80 feet. There is an alley running the entire length of the building for the convenience of the caretakers and for visitors, which come in large numbers. The building is built up on high walls, high enough to admit runways and scratch floors under the main floors. All the other long buildings are built after this plan. The south fronts have muslin-covered frames, which can be fastened up on warm and pleasant days and closed on cold and stormy ones and yet admit an abundance of pure fresh air. Another grand idea is the use of a cage in each pen for an extra male, to be alternated at will and to doubly insure strong fertility. A three-story feed-house and incubator cellar are connected with a brood house 12x168 feet. The grain is elevated to the top floor and from thence it passes through shutes connected with small feed boxes below. In the basement is the incubator cellar, equipped with 24 Cyphers company's incubators, having a capacity of 1,000 eggs, and other large machines, making the capacity about 12,000 eggs. The brood house is double walled; the intervening space is packed with straw, and is equipped with a hot-water pipe system, which is known as the Cyphers company's cradle back hoovers, which come in direct contact with the backs of the chicks. The pipes supply a continual uniform temperature, the heat being regulated by an automatic regulator. Mr. Grove says so perfectly does it work that the temperature does not vary a half of a degree. The house is divided into thirty-two pens with a capacity of 1,600 chicks. When chicks are old enough they are moved to another house, 12x120 feet. When cockerels become troublesome they are rigidly culled, some going the broiler route and the good ones in bachelor apartments. As soon as the pullets show signs of development and laying they are removed to a special laying house, 15x200 feet and which comfortably holds 1,500 birds. There are several other laying houses and many small houses used for molting and conditioning individual exhibition birds. The catalog will tell you more about the buildings. Last year Mr. Grove donated to the Single Comb White Leghorn Club the most beautiful trophy cup ever given. It was designed by him and made by an expert jeweler in St. Louis and cost \$800. Mr. Grove's Single Comb White Leghorns won at the great Mid-West Show in Chicago, December 13, in a class of 63 cockerels 1st cockerel, and in a class of 38 cocks won 1st cock, and in a class of 15 pens won 1st pen, which goes to prove that all Leghorns are not alike. At Chicago in 1911 the Grove Leghorns won in the hottest of competition, and that, too, without special preparation, 1st pullet, 2d cock and 4th cockerel. At the St. Louis Show last year, 1st and 2d cock, 2d cockerel and 1st pen. Mr. Grove guarantees 85 to 100 per cent fertility, and not an egg leaves his farm without the fac simile of his signature stamped upon it—none genuine without the signature. The Grove Single Comb White Leghorn book is the recognized authority on the breed. Your money returned if the book fails your expectations. Price, 50 cents. Mating list sent upon request. Do not procrastinate—get a book.—H. H. Coburn.

#### BEATTY'S R. AND S. C. REDS.

The firm formerly known as Bickford & Beatty, Van Wert, Ohio, has changed its name, Carl C. Beatty, traveling salesman for the Prussian stock and poultry foods, having purchased Mr. Bickford's interest. Mr. Beatty is in a position to carry on the business very successfully. He is a thorough fancier and a man who attends to business in detail, and is a man who is decidedly on the square and pleasant to meet. He aims to have his business relations pleasant and succeeds most beautifully. The Bickford & Beatty Rose and Single Comb Rhode Island Reds are heavy winners and one of the leading strains. They always win the lion's share in the hardest competition. Mr. Beatty mates up his pens in town, but raises his young stock on the farm, and one never sees a more healthy flock nor one more even in color. Mr. Beatty is a stickler for shape, especially for long backs. If he had his way he would build them like dashunds. Head points are of equal importance with him, and he culls painfully close. He has some of the finest cockerels in the country to sell, bred from his famous winners at Indianapolis last year and other bred like winners. At Indianapolis, 1912, he won on three

entries, 1st hen, 2d pullet and 4th pullet, and shape special; Detroit, 1912, 1st and 2d cock, 1st and 3d hen, 1st, 2d and 3d pullet, 2d cockerel; Mansfield, Ohio, State Show, Rose Combs, 1st and 2d cock, 1st and 4th cockerel, color and shape specials, S. C. Reds, 2d and 3d cockerels, 2d pen color special, special for winning most points of any exhibitor, all varieties competing, Bucyrus, S. C. Reds, 1st cock, 1st and 2d hen, 2d and 3d cockerel, 1st, 2d and 3d pullet, 1st pen, special for best display, special color male Prussian Bell shape and color, special S. C. 2d cock, 2d and 3d hen, 1st cockerel, 2d and 3d pullet, 1st pen, Sky Rocket leading route, special for best ten S. C. Reds in show, color special male; Lansing, Mich., R. C. Reds, 1st, 2d and 3d cock, 1st, 2d hen, 1st, 2d and 4th cockerel, 1st, 3d and 4th pullet, 1st pen, special shape and color male, ditto female, grand sweepstake prize for best display of any variety, Sky Rocket leading 1st pen in S. C. females. In this pen full sisters to Sky Rocket; Cleveland, Ohio, R. C. 1st, 3d

fumes. No possibility whatever of boiling the eggs or losing the entire hatch by allowing a lamp to go out.

Readers of this paper have undoubtedly noticed the advertisements of the Natural Hen Incubator from time to time, and as we have great faith in the patented device of Mr. Siems, we strongly suggest that it would be a very good idea, indeed, for all poultry raisers to read his intensely interesting catalog. The address of the Natural Hen Incubator Company is Station H, Dept. 4, Los Angeles, Cal.

#### CARVER'S QUEEN QUALITY REDS.

We take pleasure in submitting extracts from testimonials received by A. A. Carver, Seville, Ohio. He has hundreds of letters from not only satisfied customers but joyous ones. Mr. Carver is a man who is decidedly on the square all over and all the time, and aims to give his patrons a little more than their money's worth. He has been a breeder



Second S. C. R. I. Red cock, Chicago, December, 1912; also first Chicago cock, 1910. Owned by W. Etzensperger, Willoughby, Ohio.

cockerel, 1st, 3d hen, 2d 4th pullet, color special male, color and shape special on female Prussian Bell, a three-year-old hen, S. C. 2d cock, 2d hen, 1st pen, Skyrocket and sisters making the pen, Sky Rocket winning special for best cockerel in American class. Write for catalog.—H. H. Coburn.

#### SAVE FOUR-FIFTHS INCUBATOR COST.

The great results accomplished by the Natural Hen Incubator, which uses the actual hen, has caused a startling revolution in many sections of the poultry-raising country.

This device, which was patented several years ago by Mr. Siems, a German poultry specialist, costs but \$3 for a 200 egg size, yet its results are a great surprise to anyone who considers low cost with good results.

The Natural Hen Incubator keeps Mrs. Hen at work all the time, thus doing

away with lamps, oil, hot and deadly of Rose and Single Comb Reds for the past ten years and for the past three or four years adhering strictly to line breeding. He not only knows his birds collectively and individually, but can pick the winners when baby chicks. A party from Burlington, N. C. wrote: "Pair shipped by you received 1:30 p. m., were reshipped at 4 p. m. and came back today in good condition. On the road ten days. Won two firsts at show."

"Holyoke, Mass.—Dear Sir: I got 3d cockerel, but the pullet made up for him. She won 1st and color special. Some of the big breeders present said she was good enough for Boston."

"New Orleans, La., Dec. 3, 1912.—Dear Sir: I will let you know how I fared at the New Orleans Poultry Show. I won with both pullet and cockerel and had the honor of two cash prizes for the two best Reds shown. I thank you for your kind treatment."

A party from St. Louis, Mo., writes: "The \$100 pen arrived O. K. I am greatly



pleased with them." Another from Newell, W. Va., writes: "All the best judges in this section pronounce the cockerel I bought of you the best bird they have seen this year. I want another \$25 bird like him next year."

"Lewiston, Idaho—Last February you shipped me setting. Weather 20 below. Got six nice chicks, one cockerel and five pullets. Show season I won 2d cockerel without fitting; just picked him up and showed him."

E. F. P., Minnville, Ore., writes: "I was in Dallas, Tex., this week with the Reds I got from you. I won 1st and 3d pullet, 3d cockerel and 3d pen. The judge said the birds were perfect in shape."

"Appleton, Wis.—I just pulled off a 1st and 2d at our show, also a 2d at Sheboygan. Tucker judge. Chicks hatched from eggs purchased from you."

Mr. Carver can furnish these testimonials in full in his new circulars. Write him for prices.—H. H. Coburn.

#### A NEW POULTRY APPLIANCE.

The handsome silver cup was awarded at the Poultry Item Show in Atlantic City last summer to the Afton Farm Feed Mixer as the best new poultry appliance on exhibition. That the award was a well-deserved one will be recognized at once by every man who has used one of these popular and efficient mixers, whose use is rapidly becoming general on poultry plants, dairies and general farms where the most efficient feeding methods are in vogue.

Designed and manufactured by S. B. Twining, proprietor of the famous Afton Farm and a poultryman of wide experience, the Afton Farm Mixers involve

principles that not only make the mixing of feed a simple and certain operation, but improves the quality and palatability of the feed to a great extent. A feed mixer will make a little feed go a long way; it will make feed a relished and assimilated mixture, giving the best nutriment to stock; it will save two-thirds of the time and labor expended in hand mixing, and has many other uses on the farm, such as fertilizer and seed mixing.

Most owners of poultry plants say regarding a feed mixer, "Oh, I don't mix enough feed to pay for one." This is wrong. Suppose you mix only ten or twenty quarts a day. That amounts to several tons a year. The saving in time in mixing this amount by a mixer will more than pay for the machine. That is the way the progressive feeder looks at the purchase of a mixer.

Afton Farm Feed Mixers are made in many sizes, and special sizes to order. They are metal, will last a lifetime and are easy and simple to operate. There are mixers with hand power and mixers for power drive. A postal to the Yardley Manufacturing Company, Yardley, Pa., will bring a worth while booklet on feed mixing and mixers. Send for it—it will be worth money.

#### POULTRY PROFITS AND HOW TO REALIZE THEM.

There is probably no branch of farm science so persistently exploited today as the poultry industry.

The periodic press teems with editorial matter and advertisements picturing the golden profits to be gained by keeping

hens. Now and then we read of a great farm, stocked with thousands of choice birds, and a wonderful story telling how its owner is salting away thousands of dollars yearly—clear "velvet"—on a moderate cash investment.

Some people take all this publicity with a "grain of salt" and cry "fake." Others believe it and try and do the same themselves. Both classes jump at conclusions and make the common mistake which precipitate people usually arrive at.

These rosy pictures of golden profits in poultry culture are not "fakes." What has been described has been done, and will be done again, and right here is where the second class—the believers—make their mistake. Not in believing, but in thinking that they can jump right in and do the same thing themselves without stopping to learn how.

No common sense in that. The brightest person in the world can't keep hens—successfully—without knowing a few things about the hen business. For instance, he must get it thoroughly driven into his head that a hen uses—devotes to flesh and egg production—only as much of her ration as she digests. Stuffing a hen with rich food doesn't make eggs necessarily. But causing a hen to digest—to turn into flesh and egg-making elements—a large proportion of her food, does make eggs, and for the same reason that a boiler makes steam when coal is burned under it and not wasted by poor stoking.

There are many "do's" and "don't's" in the poultry business, but this, after all, is the chiefest: Keep your hen's digestive organs working up to their maximum capacity and you'll get plenty of eggs—

SEE AD ON NEXT TO LAST PAGE

**CARVER'S RED FARM, Seville, Ohio,**

**ANCONAS, HOUDANS, S. C. BUFF ORPINGTONS**

**BABY CHICKS AND EGGS FOR HATCHING**

Line bred for years from the best stock money could buy and with unlimited range and mountain air, our birds are superior in health, vigor and in general quality, shape and color.

Eggs for hatching from selected matings and produced under the best possible conditions to insure fertility, stamina and quality in the chicks.

Baby chicks. Our capacity is almost unlimited. Your wants will have prompt and the best attention.

Breeding cockerels for sale. Write us your wants. We have the stock to please you and we guarantee absolute satisfaction to all.

**MOUNTAIN ORCHARD POULTRY FARM : BOX 13 : NARVON, PENNSYLVANIA**

**NIXON'S WHITE WYANDOTTES**

Make the best win at Club meet at Albany, N. Y., namely. **First Pen Young**, also **Third Pen Old**, **First and Sixth Hen**, color and shape Specials, etc. Over 300 birds shown. New literature February,

**CHAS. NIXON, Judge and Breeder -- Box 202 -- WASHINGTON, NEW JERSEY**



## AGAIN VICTORS

### SCRANTON'S S. C. RHODE ISLAND REDS

At **LOUISVILLE, KY.**, against the best REDS of the South, won 1, 2, 3, 4, 5 cockerel; 2, 3, 4, 5 cock; 2, 5 hen; 2, 4, 5 pullet; 1 and 2 old pen; 1 and 3 young pen. **\$75.00 Cup** for Best Display in show—114 points.

Remember they made the **GREATEST WIN** at **CHICAGO** last season that has ever been made in that show by one breeder of Reds—**FIVE FIRST PRIZES** and **ALL SPECIALS**, besides many minor prizes.

At Hagerstown, Md., in October they also made a remarkable record. These, with their **UNEQUALED** records of past years, stamp them as the **LEADING STRAIN** of Reds of the present day.

**Why do they win?** Because they have been carefully line bred for years and have established **BLOOD LINES** that will **REPRODUCE**. My matings this season are better than ever before. If you want to know more about them send for a catalogue of matings today. It will be mailed free.

**B. H. SCRANTON -- BOX 350 -- RISING SUN, INDIANA**



## ROSE COMB RHODE ISLAND REDS

### GREAT PITTSBURG SHOW STRUCK BY LIGHTNING

That is what Simmons & Crittenden's Reds did January 13 to 18, 1913, by winning 1st, 3d and 5th cock, 1st cockerel, 2d, 3d and 4th hen and 5th pullet. This being the occasion of the annual meet of the Rhode Island Red Club of America, and with Lester Tompkins as judge there was an unusually large class of Reds of the highest quality. In addition to the above we won shape and color special, a gold shield and \$25 in cash on our 1st prize cock, Grand Champion Red male of the show, there being 128 males of both combs competing for this prize. Also gold shield for best display of Rose Combs and \$25 cup offered by Rhode Island Red Club of America. Our Grand Champion Cock was talk of the show.

We have a fine lot of stock for sale from our Bean line, brothers and sisters to our winners. Let us have your order. We sell on approval. Don't forget to send for our catalogue. Eggs for hatching at very reasonable prices.

**SIMMONS & CRITTENDEN**

**GENEVA, OHIO**



# S.C. Black and White Minorcas

Bred for quality in all branches; size, shape, color and laying. Have bred Minorcas for the past 23 years; have won whenever shown. Some young stock for sale.

G. B. Smith & Son -- Box 454, North Baltimore, Ohio

## We Guarantee our Eggs and Chicks

Because we KNOW how strong and vital they are; how carefully we cull and select and test on our great plant. We make no extravagant claims—we simply say "Buy Tywacana Stock; its sold on a Make Good Guarantee that PROTECTS!"

Baby Chicks      Hatching Eggs      Breeding Stock  
S. C. White Leghorns      Barred and White Rocks

Write TODAY for our big catalog. It tells how we can afford to guarantee our stock. It is full of poultry facts. Sent FREE. We Use WRIGHT Boxes—that means Safe Delivery. Tywacana Farms Poultry Company, A. E. Wright Supt., Box 53, Farmingdale, L. I., N. Y.



# Tolman's White Plym. Rocks

Baby chicks and eggs for hatching. When you order from Tolman, you get the best at a popular price. Eggs and chicks now ready. Circular and price list free.

Joseph Tolman -- Dept. H -- Rockland, Massachusetts



"Cozy, practical, perfect."

## We Have a Big Proposition for You

If you want a portable house for keeping a few chickens on your back lot, or if you want a number of colony houses, do not fail to write for circulars and prices on the most practical Portable House made. Many Styles and Sizes. Shipments made from coast to coast and every customer a pleased one. We get many letters telling us how well our houses please, and others re-order right along. Prices range from \$9.00 to \$50.00. Also breeders of Silver Spangled Hamburgs and Black Orpingtons. Write for prices and mention A. P. J.

The Lytle Lumber Co.  
Deshler, Ohio

## Hatch Chickens in Your Parlor

Bed room, or anywhere else about the house most convenient for you. Now that electricity has been practically applied to the hatching of eggs, and all muss, fuss, smells and uncertainties are eliminated by

### THE "LO-GLO" ELECTRIC INCUBATOR

The poultry business offers new attractions, new possibilities, splendid profits, and real enjoyment, with little work and no worry. Learn what can be done—get our interesting free book on these wonderful electric incubators, and brooders, that accomplish results never before possible. The "LO-GLO" electric incubator has absolutely perfect automatic control of temperature, ventilation and moisture. Write today for free book.

Standard Elec. Inc. Co., 97 Church St., New York City



## DAY-OLD CHICKS

FIFTEEN VARIETIES  
FOR SPRING 1913...

### Incubator Capacity, Half Million Eggs Per Season

3,000 S. C. White Leghorn and 2,000 Barred Rock chicks per week, also Brown and Buff Leghorns, R. C. White Leghorns, S. C. Black Minorcas, White, Black and Buff Orpingtons, White and Columbian Wyandottes, S. C. and R. C. Rhode Island Reds and White Rocks. Utility and fancy stock from 9 cents to 50 cents each. Broiler chicks, \$30.00 per thousand. Outsiders of the largest experience have pronounced our plant the best and most scientifically equipped of any in the country. Our chicks are stronger than hen hatched, withstand shipment and live. 5,000 pure bred hens kept under ideal conditions, lay eggs for this immense plant. If you are looking for quality and vigor, send for our free catalogue and price list.

THE CO-OPERATIVE BREEDING & HATCHING CO. : BOX A, TIRO, OHIO

and Dr. Hess Poultry Pan-a-ce-a is the thing that does it.

Poultry Pan-a-ce-a is a tonic. It gives tone and strength to the digestive organs, and so causes the greater proportion of food to assimilate and go to egg production. Its use practically does away with food waste. It is as impossible for a hen getting Dr. Hess Poultry Pan-a-ce-a (a trifling dose is enough for several hens) to keep from laying as it is for the boiler to stay cold with a roaring fire under it.

The Hess-fed hen must lay, because the food she eats follows nature's law and nature's course, and forces the oviducts into steady action. Dr. Hess Poultry Pan-a-ce-a also helps toward growth and early maturity, and goes far to ward off the common diseases of poultry. In a word, Dr. Hess Poultry Pan-a-ce-a—fed in small daily doses in the soft feed—makes possible the actual realization of the pleasant pictures which are today winning so many new recruits for the poultry business. Try it yourself and see.

### A FRANK STATEMENT.

Jas. W. Bell, Editor, American Poultry Journal, Chicago, Ill.

Dear Sir—We wish to advise you that since we commenced advertising in the American Poultry Journal our business has increased 100 per cent and is steadily increasing, our December business running over 100 per cent greater than a year ago. Under the circumstances we decided to give more space to the American for the year 1913, which we gave to your representative, Mr. Coburn. We owe much to Mr. Coburn, for I do not believe we would have been with you now, thereby losing the increased business for us the past season. We would thank you to notify the readers of the American Poultry Journal that we are now prepared to ship eggs for hatching by parcel post to all parts of the United States in the finest ship safe made, and our matings this season are the best we ever owned. Our customers were winners of the blue ribbon in six different states the past month, and we know not how many did not report their winnings. We are not showing this season, as the demand for our show birds were so great that we decided to sell all we could spare instead of showing ourselves. We look for the greatest season of fancy poultry ever seen for the year 1913, as every indication points to it, such as increased interest and awakening everywhere. I have some interesting things to tell your readers about Rhode Island Reds some time when you can spare the valued space. Having been with the breed almost from its infancy, I think I have learned some interesting points in mating and handling this great breed—the greatest egg machine of them all. Fraternally,

A. A. Carver.

### THE FIRELESS BROODING OF CHICKS.

We desire to call the attention of our readers to the above heading, which is the title of the new book published by Harvey Brothers, of Johnstown, Pa., the manufacturers of the Nu-Rinkle fireless brooders. It certainly will be worth your while to secure a copy of this book. For years they have been laboring on the problem of raising the chicks, experimenting with all kinds of brooders, heated and otherwise; none met with their requirements, but they kept pegging away until they had invented and perfected a fireless brooder that they claim will raise 90 per cent of the chicks. Not only do they claim this but they stand ready at any time to prove it by raising the chicks in the brooder mentioned. We wish you to bear in mind that the Messrs. Harvey Brothers are not only manufacturers but that they raise hundreds of chicks each year in their brooders, demonstrating the fact that they can live up to every statement they make. It has been along the line of actual experience that the Nu-Rinkle brooder was brought to perfection, and each spring sees them busily engaged with more experiments, seeking to throw new light upon the problem of artificial brooding.

We feel sure that a careful consideration of any claims they may make will be of benefit to anyone that desires to raise the chicks.

They wish us to urge all our readers who contemplate ordering a brooder to do so as early as possible. The outlook is that many will be too late to secure a brooder unless they take the matter up at once. Better write today for their new book—it is free.



## GRAND CHAMPIONSHIP POULTRY FUTURITIES.

In connection with the great fair, Allentown Poultry Show, Allentown, Pa., September 23-26, 1913.

The newest, latest and best thing in poultry showing. Same chance for the little breeder as the big breeder.

First inaugurated and conducted by the above show. A great success in 1912 and will be bigger and better in 1913.

Futurity stakes opened to an enlarged list of breeders and varieties, as follows: Barred Plymouth Rocks, White Plymouth Rocks, Buff Plymouth Rocks, White Wyandottes, Silver Laced Wyandottes, Rhode Island Reds, White Leghorns, Buff Leghorns, Black Minorcas, Polish, Hamburgs, Houdans, Silver Campines, Cornish Indians, Game Bantams, Ornamental Bantams, Colored Indian Runners and White Indian Runners.

(Note—Where no variety is mentioned, all varieties compete. Where no comb is mentioned, all combs compete.)

Nominations or entries close April 1, 1913. But should be made as early as possible. Lists already open.

Nominations in all stakes, two dollars (\$2.00) each. Separate stakes for cockerels and for pullets.

New method of banding, absolutely guaranteeing that none but birds nominated compete.

The following rules to govern:

1. Only birds hatched after January 1, 1913, wearing the regulation seamless 1913 Futurity bands will be eligible.

2. Nominations close April 1, 1913, but may in some varieties, like Leghorns, Bantams, etc., at the discretion of the superintendent, be extended to May 1, 1913.

3. Nomination fee on each bird will be two dollars (\$2.00), payable when nomination is made. Two or more birds may be nominated by anyone.

4. Birds nominated for futurities need not necessarily compete for the regular poultry show prizes, or in the event of accident or failure to develop need not be shown at all. However, if they are to compete in the futurities or in the futurities and regular prizes both, they must pay besides on or before the date of closing of entries for the regular poultry show (about September 12) the regular Fair Poultry Show entry fee of \$1.00 each, thus guaranteeing a single, well-lighted and correctly grouped cage.

5. The winners in the different futurities to take the entire stake. For instance, the total stake in White Orpington cockerels last year was \$60.00 and this entire amount went to the winner. The winner shall have besides the right to claim and advertise "The Grand Championship Futurity Winner for the Year 1913" and shall be awarded a handsome ribbon specifically certifying to this effect.

6. No commission or percentage of any kind shall be retained by the Poultry Show, but the entire stake as made up of the nominations at \$2.00 each shall be paid the winner.

7. Five enameled, seamless bands will be furnished by the Poultry Show for every bird nominated, thus allowing a more definite selection at maturity. As an additional safeguard the specific band number must be stated in all cases at date of final entry (or about September 12) and only such birds whose band numbers have been registered can compete.

8. All nominated birds shall have posted on their coops special "Futurity"

coop cards, same to remain up the entire show.

9. The judging to be done by the respective judges, judging the regular classes of each of the varieties represented in the futurities.

10. To avoid errors and accidents birds raised out of bought eggs for hatching are eligible, but it is distinctly understood that all nominated birds are to be reared or raised by the competitor and cannot compete unless wearing the regulation seamless, enameled and registered Futurity band that must be slipped on the leg at from two to three months old.

11. The stake for cockerels and pullets in each variety or group of varieties will be kept separate, unless the stakes of either are below \$50, when they will be combined. And in case in any variety they should be insignificant, the privilege is reserved to cancel the stake.

12. As soon as possible after the entries have closed each competitor will receive notice as to the total amount in the stake he is interested in; all monies to be deposited in bank here, and checks to be mailed winners as soon after the show is over as possible.

13. All entries must be made on regular entry blanks and all checks payable to W. Theo. Wittman, Superintendent, Allentown, Pa.

These rules mean fair play and put every breeder on the same level. No one can go out and buy birds to show in these futurities. Do not make the mistake some made last year by failing to enter. The entry fees are small and the amounts and honor to be won very large.

OCULUM increases egg yield 20 per cent; a free trail; ad page 280.

## PERKINS' PARTRIDGE PLYMOUTH ROCKS

EGGS FOR HATCHING—20 PENS MATED FOR THE TRADE. 3 pens, \$40; 3 pens, \$50; 9 pens, \$102; 6 pens, \$5; range flock \$3 per setting.

Beautiful mating list containing colored insert of pair of fowls free.

F. N. PERKINS

22 HARLEM ROAD

FREEPORT, ILLINOIS

## BARRY FARM WHITE LEGHORNS

### WE ARE NOW BOOKING ORDERS FOR

## DAY OLD CHICKS AND HATCHING EGGS

You can be sure of positive success with baby chicks from Barry Farm. We breed only from matured yearling and two-year-old hens. Our boxing methods insure safe delivery. Barry Farm White Leghorns are bred for heavy laying as well as for exhibition points. They are persistent layers, hence money-makers the year round. Write for circular.

**BARRY FARM, H. R. BARRY, Owner : Box 117 : FAR HILLS, N. J.**



## FELL'S FAMOUS WHITE WYANDOTTES

At the greatest of all shows, Madison Square Garden, New York, 1912-13, almost make a clean sweep, winning four out of a possible five first prizes in the finest quality class of White Wyandottes ever shown, they make the most remarkable record winning first cock, second hen, first and fifth cockerel, first and fourth pul, first pen in a class of 261, making eight birds under first ribbon. This is the most remarkable record ever made at a New York show. I have shown at New York three times and won a total of nine first prizes, or seventeen birds under first ribbon. They are the modern White Wyandotte of the day champions of all times as my records show, cannot be excelled in whiteness and type, stand out alone and above all others in their class. I have won fifty-four first prizes at thirteen shows the past five years, or an average of over four firsts at each show. At the greatest of Fall fairs, Allentown, my last two showings, I won special \$75 cup for best ten birds in whole show, both times, a record unequalled and goes down as White Wyandotte history with all my winnings. Prices are the most reasonable. Send for mating and price list. Mention American Poultry Journal when writing.

**A. J. Fell : Box J : West Point, Pennsylvania**



## NEUBERT'S TRIUMPH.

Our readers have doubtless noticed the advertising of R. F. Neubert, of Mankato, Minn. Mr. Neubert is proud to announce that he has perfected his 1913 incubator, which is named the "Triumph" and which he calls his masterpiece.

When you stop to think that Neubert has been making incubators and raising poultry for over nineteen years, it is worth while knowing all about the machine that is the result of all this experience.

In the nineteen years Mr. Neubert has been in business he has built up perhaps the largest incubator and brooder business in the Northwest and is still growing.

Mr. Neubert's new book is well worth reading, whether you have an incubator or not, whether you are planning to buy an incubator or not. We urge every reader to send a postal card now to R. F. Neubert, Box 760, Mankato, Minn., and Mr. Neubert will be glad to mail a copy of his Triumph Book by return mail.

## INCUBATOR THAT LEADS BY 18 POINTS.

Since incubators were first thought of there have been scores of different makes under various names built. Each has possessed some point or points of value, and any one of them will hatch some chicks.

But never before in the history of modern incubator construction has so much real hatching value been built into an incubator as can be found in the "Successful" machine, made by that old established firm, the Des Moines Incubator Company, of Des Moines, Ia. Their ad appears in this issue.

After over seventeen years of constantly increasing success in the same line, this firm is still located in the same town and on the same site where they started business. Their plant, however, has grown from a small shop to a manufacturing enterprise of imposing size.

And back of this growth is this fact: The Des Moines Incubator Company have constantly improved their product and the material put into it at a time when many others were cutting the corners in order to reduce the cost of manufacture.

Every change made in the "Successful" has been a change which meant increased results for the user. First grade California redwood, for example, now forms the inner casing of "Successful," and yellow pine the ceiling for the outer case. All corners of the machine are interlocked or dadoed. Thus material and workmanship equal that of a hand-made cabinet.

The motto of this firm might readily be expressed as "forgetting expense of manufacture, how can we make our incubators better and more profitable to the poultryman?" Beside the two big points mentioned above, they have incorporated sixteen other valuable items of construction which make the "Successful" unsurpassed in quality. All these eighteen points are fully illustrated and described on pages 16 and 17 of the new free catalog. On page 7 of the same catalog will be found the sure, clear proofs of the lead these incubators have taken over other machines by outhatching eight other makes of incubators.

The "Successful" brooders are also made of California redwood this year and are equipped with the same automatic heat regulator which has given such perfect service in the incubators.

At any rate, send for the big "Successful" poultry book, which is full of practical incubator, brooder and chicken facts and is absolutely free. For 10 cents the Des Moines Company will send you, with the free catalog, a booklet on "How to Raise Forty-eight Chicks Out of Fifty Hatched." Remember the name and address, Des Moines Incubator Company, Des Moines, Ia.

## THE MANKATO INCUBATOR.

We were quite surprised to receive an advertisement for publication in our paper which offered a genuine new Mankato incubator for \$4.95. We took the matter up with the Mankato Incubator Company and secured their catalog, and we are assured that this is a fact. They are actually placing a real hatcher on the market at this price. Of course the machine is not a large one. It holds fifty eggs easily, but it has everything on it and in it that an incubator should have.

The Mankato Incubator Company also makes a larger sized machine which they sell for \$8.25 and brooders at proportionately low prices. It will be worth while

## Rose Comb Black Minorcas

First cock, first hen, first cockerel, first pullet at St. Louis 1912; first cock and first hen on White and Fawn Indian Runner Ducks. J. S. BALES ROUTE 2, SPRINGFIELD, ILL.

## PRUDHOMME'S CAMPINES

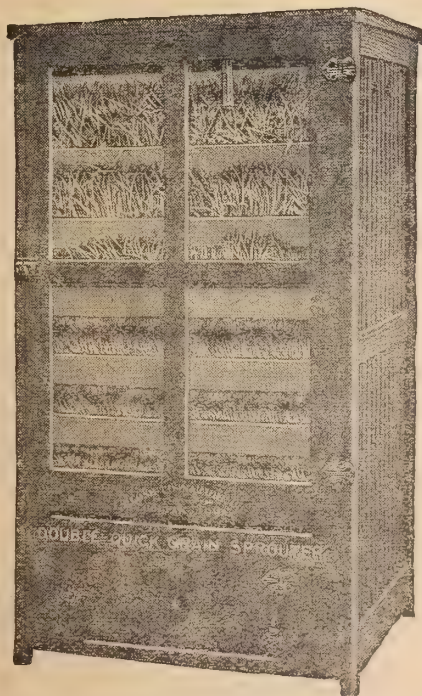
## Lead, Others Follow

Fellow fanciers, let me tell you about my Campines, birds or eggs prize winners at Hagerstown and Fredereck, Md., Allentown and York, Pa., at Baltimore, Philadelphia and New York. With eggs from my Campines I won 1st prize at Baltimore; 1st prize at Allentown in hot competition, 22 doz. in class, eggs from Anconas, Andalusians, Houdans, R. I. Reds, Langshans and other Campine eggs competing; won the SWEEPSTAKES at Frederick, Md. over eggs from all breeds entered. The early bird catches the worm, you know. Write me NOW, get in on this big Campine boom, you won't regret it.

Dr. J. H. Prudhomme Desk P. ... Thurmont, Md.

BABY CHICKS  
AND HATCHING EGGS

S. C. White Leghorns, S. C. Rhode Island Red and Silver Penciled Rocks.  
Winners of 1,000 prizes and ribbons.

OAKLANDS POULTRY FARM  
R. F. D. 4 - TRENTON JUNCTION, N. J.SPROUTED OATS -- WINTER EGGS  
DAIRY SILAGE FOR MILK--SPROUTED OATS FOR EGGS

Hens, like cows, must be fed something green for best results.

For prolific egg production nothing excels sprouted oats.

Feeding sprouted oats is like turning the hens out in the spring on the young, tender grass—lots of eggs is the result.

For fertile eggs, feed the sprouted oats. Ninety per cent hatches have been made in February and March when breeders were regularly given rations of sprouted oats. The germinated wheat and rye make an excellent forcing feed for young chicks, as it is a partially digested food. To get great quantities of sprouted oats easily and quickly, and to germinate grains for the chicks, buy a

DOUBLE QUICK GRAIN SPROUTER  
THE PERPETUAL POULTRY SILO

A veritable Hot-House, Growth-Forcing Machine. Makes Two to Four Bushels of Feed from one of grain. Soon pay for itself in the feed it grows and the increased egg yield.

Sprouted in 24 hours and forces growth of 2 inches and more daily. The Double Quick is the original grain sprouter, now three years old, several thousand being in use in every part of the United States and Canada and is endorsed by hundreds of users.

Our catalog will give many letters like the following:

David Schwertner, Ottawa, Ohio, says: "Last fall I got one of your grain sprouters and used it last winter and had good results for the weather we had. It was zero weather nearly all the time, but my chickens laid from three to four dozen eggs right along and I can say the oats did it, for all the people around here didn't get any eggs last winter."

February 26, 1912: "I am enclosing my check for your No. 5 Double Quick Sprouter. Please ship by express. As soon as I have tested this one and find it satisfactory, as I expect I shall find it, I will give you an order for two more of your No. 5 Double Quick Sprouters. The one I bought some weeks since is doing good work."—C. H. Latham, Beauty and Utility Barred Rocks, Lancaster, Mass.

M. O. Richardson, Plattsburg, Mo., writes: "It is the greatest trick ever. It grows oats 10 inches high in six days. I am well pleased with it."

Made in six sizes—from a few hens to 1,000. Send for complete booklet on the grain sprouter and sprouted oats.

Close-To-Nature Co., 38 Front St., Colfax, Iowa



## LOUSY HENS DON'T PAY FOR THEIR KEEP



**KILL  
THEM**

One application of **Licene** will kill every louse on your birds and will keep them free from lice for six months. Read what Judge Henderson, one of the foremost Barred Rock breeders for the past fourteen years, says of Licene:

Gentlemen: I have used Licene on all my breeding pens and find that my birds are entirely free from lice. I most heartily recommend it, as it is the only preparation that I have ever used that has given complete satisfaction. Most sincerely yours, W. W. Henderson, 922 Security Bldg., St. Louis, Mo.

Price, 50 cents; enough for 200 birds; postpaid. Money refunded if you are not satisfied. **Sample free.**

**The Licene Co., Pontiac Building, Chicago, Illinois**

for every reader to write the Mankato Incubator Company, Box 821, Mankato, Minn., for their new catalog, which explains all the facts about the construction and results obtained with their machines.

### GET "BOB" ESSEX'S NEW 1913 CATALOG.

"Bob" Essex in his new 1913 catalog has once again shown his desire to help his friends the poultry keepers. The catalog is entitled "Making the Most From Poultry," that being the title also of one of the chapters in the book written by Mr. Essex himself. Other chapters are "Health and Disease in Poultry," "How Money Is Made From Standard-Breds," "When You Start, Start Right," "How to Get More Profit From Farm Hens." The book, of course, fully illustrates the "Essex Models"—America's largest line of incubators and brooders.

But the main attraction this year is the splendid collection of photographs of the latest styles of poultry houses (with measurements) in use at experiment stations all over the country. There are thirty of them, including those used in the egg-laying contests at Storrs, Conn., and at Mountain Grove, Mo.; also the equally well-known laying house at Orono, Me.

As an incubator manufacturer, however, Mr. Essex refers with pride to the record-breaking event recorded in his catalog, due to the good will of his customers, namely, the extraordinary fact that "if we except public institutions," as he says, "every single 1912 testimonial letter that is printed in the catalog came to us unasked for. It is a new record in the incubator business."

When we consider that last winter was the most severe we can remember, and that hatches were late and poor, and then think that the "Essex Models" were, nevertheless, hatching so splendidly as to cause their users to sit down and write about it, then we may say with confidence, "The 'Essex Models' have, indeed, proven themselves 'Incubators of Quality.'"

You should have this 1913 catalog of superior incubators, brooders and poultry supplies. You need it in your business. If you mention this paper you can get it free by writing to the Robert Essex Incubator Company, Buffalo, N. Y., or New York City.

The whole tenor of the book is quality.

### AT CHICAGO AND LOUISVILLE.

The Single Comb Black Orpingtons from the Blue Ribbon Poultry Farm, Columbus, Ind., won in a large class of good ones at Chicago in December, second cock, fourth and fifth hen, third cockerel, second and fourth pullet, — pens, the only exhibitor to win on cock, hen, cockerel, pullet and pen. At Louisville, Ky., Dec. 23-28, 1912, first, second, third and fourth cock, second and fourth hen, second and third cockerel, third and fourth pullet, first and second pen, silver cup for best display, given by E. Rogers, of Cincinnati, all Orpingtons competing, winning more points than all competitors, one large eastern breeder exhibiting. The Blue Ribbon Poultry Farm is the largest exclusive Single Comb Black Orpington Farm in the United States. A Blue Ribbon cockerel will help you out next show season. H. H. Coburn.

### OLD HONESTY HATCHERY.

Old Honesty Hatchery, New Washington, Ohio, could not have been more aptly named. Mr. G. H. Kichline, its proprietor, is the very soul of honor, and one of the most painfully honest men in the poultry business. But conscientiousness is not his only accomplishment. He is a musician of some note and has trained his children to play various instruments, and the Kichline band is very entertaining. Last October we had the pleasure of being shown through the Old Honesty Hatchery by Mr. Kichline, who makes all of his large machines. Upon entering this hatchery, one is impressed by its sanitary conditions and the sweet, wholesome odor of pure fresh air. So perfect is the system of ventilation that there is not a suggestion of any disagreeable odors. This hatchery has three divisions—one 20x50 feet, one 20x33 ft. and one 10x21 feet and has a capacity of 20,000 eggs. Last year there were 100,000 chicks shipped to every nook and corner of our country and Mr. Kichline has hundreds and hundreds of testimonials from satisfied customers. He begins hatching in January and keeps it up almost the entire year. Orders have to be placed early. After the first of August orders can be filled with a

## THE HEART



of your incubator and brooder is the LAMP. AN UNRELIABLE LAMP JEOPARDIZES YOUR SUCCESS FOR THE SEASON. Far better to THROW AWAY the doubtful lamp and SEND AT ONCE for the ZERO SAFETY LAMP. The only lamp that is cooled by a column of air around the oil tank. Eliminates the danger of explosion and gives an intense and sure heat. Can be fitted to nearly every incubator and brooder made. You'll never regret having a ZERO SAFETY LAMP. From any of our dealers or by mail, \$1.25 postpaid.



The Sanitary Chick Fountain is the most sensible made. No chance for the chicks to drown. Easily filled and cleaned. Goes into any brooder. Holds one quart. Thousands sold every season. Price 25 cents, or delivered to you for 35 cents.

This is the neatest device ever invented for feeding young chicks. They cannot get into it or stand on it. Top removes easily to clean or fill and springs back into place. Keep the food CLEAN. Just the right size for your brooder (ten inches long and four inches wide). Price 25 cents or delivered to you for 35 cents. Send for catalogue.



**ATSATT BROS.**  
27 PEARL STREET, MATTAPOISETT, MASSACHUSETTS

## BELLA VISTA FARM

WEST KIMSWICK, MISSOURI, "ON THE FRISCO"

### A 10,000-Dollar S. C. White Leghorn Farm

Eggs for Hatchings—\$5.00 for 100, \$1.00 for 15, \$3 for 50. We have selected 800 of our largest females and best layers to breed from. 300 fine cockerels and 200 laying pullets to spare at \$2 to \$3 each, splendid values. Visitors welcome. Correspondence solicited. Mating list free. References—Editor of this paper. Address

**BELLE VISTA FARM CO. : P. O. WEST KIMSWICK, MO.**

## PINE LODGE FARM

W. H. DEPPER, PROP., SOUTH LINCOLN, MASSACHUSETTS

### BREEDER OF CHAMPION BLUE ORPINGTONS

#### CHICAGO, 1912:

Cock, 1st  
Hens, 1st, 2d, 3d  
Cockerels, 1st, 2d, 3d  
Pullets 1st, 2d, 3d  
Pen 1st

#### NEW YORK, 1913:

Cock 1st, 2d  
Hen 2d  
Cockerel 2d

#### BOSTON, 1913:

Cocks 1st, 3d  
Hens 1st, 2d  
Cockerels 1st, 2d  
Pullets 1st, 2d, 4th  
Pen 1st

Stock and eggs for hatching. Write for mating list. America's largest breeder of this variety. Organizer and president of the American Blue Orpington Club.



three weeks' notice. Mr. Kichline has been hatching for the past nine years and knows how to hatch good, strong, vigorous chicks that live to be both a pleasure and a profit to the purchasers, as well as winning many ribbons in the show room in all parts of the country. Mr. Kichline has ten acres devoted to poultry and has a very progressive and up-to-date little poultry farm. He also looks after seven flocks on farms, and the fact that the chicks are hatched right, raised right and handled right is one of the secrets of their great vitality. Mr. Kichline is one busy man, and has to be almost omnipresent, superintending his several interests, but he is always pleasant and happy, which, of course, lightens labor. Besides the Old Honesty Hatchery and poultry farm, Mr. Kichline owns his own building for manufacturing purposes. He ships the chicks so they arrive; seldom any deaths, no matter what season, nor what distance they are shipped, nor in what latitude or climate they arrive in. Old Honesty Hatchery can furnish baby chicks from the following varieties: Single and Rose Comb

Brown Leghorns, Single Comb Brown Leghorns, Single Comb Buff Leghorns, Rose Comb Buff Leghorns, Rose Comb Rhode Island Reds, Single and Rose Comb Black Minorcas, Barred Buff and White Plymouth Rocks, White Wyandottes, Mottled Anconas.  
H. H. Coburn.

### 20TH CENTURY HATCHERY.

Blum & Co. are proprietors of the 20th Century Hatchery, Chatfield, Ohio. This firm is rapidly coming to the front in the baby chick industry. The buildings are 22x75 and 43x24 feet, with a capacity of 40,000 eggs. Last year this firm shipped over 100,000 chicks and will ship three times that number this year. The breeding pens are of choice stock and are kept on farms in the vicinity of Chatfield, only one breed on a farm, ensuring purity, and healthy, vigorous chicks, that travel all over this United States and live; many which win at shows, in all parts of the country. People are learning that the least expensive and surest, as well as shortest



way to get a good start in standard bred poultry is by the baby chick route. So this industry is growing so rapidly that it bids fair to be one of the greatest branches of the poultry business. The 20th Century Hatchery packs and ships baby chicks in such a manner as meet with practically no loss. They fill orders carefully and promptly and a purchaser always gets the variety ordered. This hatchery can furnish chicks from ten leading varieties, and will be in shape to ship Single Comb White Leghorns in large numbers this year. Write for catalog and prices, and address the 20th Century Hatchery, Chatfield, Ohio.  
H. H. Coburn.

### A SEASON'S RECORD.

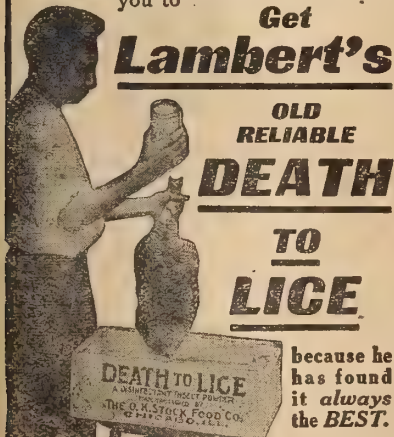
William Cook & Sons, originators of all the Orpingtons, of Scotch Plains, N. J., have had a very successful show season, and we are pleased to give some of their winnings. In S. C. Buff Orpingtons they have won this season first cockerel, Madison Square; first hen, first pullet and first pen at Memphis, Tenn.; first pen, second and third cockerels at Allentown, Pa.; first cockerel at Trenton; first and second cockerels, first hen, first pullet and first pen at Shreveport, La.; first and second cockerels, first cock, first pullet and first pen, Savannah, Ga.; first and second cockerels, first pen at St. Louis, Mo.; first pen at Plainfield, N. J.; at Birmingham, Ala., at the N. S. C. Buff Orpington Club show, first and second cockerels, first pullet, first pen, second cock and second hen, winning seven cups on Buff Orpingtons alone; at Louisville, Ky., first and third cockerels; at Atlanta, Ga., first and second cockerels, first pullet, second pen; at Norfolk, Va., first cockerel. Their winnings in S. C. White Orpingtons were: First pen at Atlantic City; first cockerel, Memphis, Tenn.; second cockerel at Allentown, Pa.; first cock and first cockerel at Trenton; first cock, first pen and second cockerel at Birmingham, Ala.; first and second cockerels at Shreveport, La.; first and second second cockerels, second pen at Savannah, Ga.; first cockerel at St. Louis, Mo.; first cockerel at Plainfield; first and second cockerel, Elizabeth, N. J.; second cockerel, Grand Central Palace; first and second cockerels, first cock and second pen at Louisville, Ky.; first and third cockerels, first cock at Columbus; first and second cockerels, second pen at Atlanta, Ga.; first and second cockerels, Norfolk, Va. Their winnings in S. C. Black Orpingtons were: First pen, Atlantic City; first cock, first pen, second cockerel and second pullet at Memphis, Tenn.; first pullet, second pen, second cockerel at Allentown, Pa.; first hen, Birmingham; second cockerel and pen, first and second cockerels, first cock, first pen, first pullet at Shreveport, La.; first pullet, first pen, second cock at Savannah, Ga.; first and second cockerels, first cock, first pen, first hen, second pullet at St. Louis, Mo.; first cockerel, Plainfield; first

## Knocks 'Em Stiff in a Jiff

There isn't a ghost of a show for lice and mites on hens, chicks or nests after a dust with the old reliable Lambert's Death to Lice. It knocks 'em stiff in a jiff. As one of the big successful poultrymen wrote us, "It is impossible to get along without your louse killer," so it is with every user. There's nothing so efficient.

## Don't Experiment

Follow the example of the leaders—ask any successful poultryman which lice killer has been the standard for 30 years—which is acknowledged BEST. He will tell you to



because he has found it **always** the **BEST**.

Don't expect to make your hens pay and permit lice to worry and annoy them. The lice will get the profit and often the hens and chicks, too. A few cents invested in Death to Lice will bring dollars in profit. Just the thing for layers, sitters, and exhibition stock. Will not injure eggs, chicks or hens or soil plumage. Get a 5 oz., 10c box at dealers to try (or send to us direct if he can't supply you). Other sizes 25c, 50c and \$1.00. Lambert's Latest copy of "POCKET BOOK OF POINTERS," a valuable book for poultry raisers. Mailed for 2c stamp.

**O. K. STOCK FOOD CO.**  
501 Traders Bldg. Chicago



## DUSTON'S White Wyandottes WIN, BREED WINNERS

Eggs sold produce winners  
and prove great layers

La., Nov. 6, 1912.

Dear Sir:

The young man captured first prize in his class and was against a strong entry. He is very fine and we are well pleased with him. One of your state had several entries. Wyandotte ckl. included, and took second to our bird. Our bird was much the better bird, being way ahead of the bird which would not have captured even second had it not been for his plumage, etc.

Ont., Dec. 11, 1912.

Dear Sir:

I am pleased to inform you I have had great success with your stock, winning in strong competition 7 1sts, 5 2nds, 5 3rds, 4 4ths and 1 5th and 4 cups for best collection, this year. There is no doubt you can supply the stock to beat any you can get, etc.

Ind., Nov. 28, 1912.

Dear Sir:

Received the pullets O. K. I am perfectly pleased with them and thank you much for the excellent selection you made for me. They are much nearer to standard requirements than any pullets I ever saw and I have certainly seen a few, etc.

S. C., Nov. 30, 1912.

Dear Mr. Duston:

I was down to the Show Thursday. I won there 1st Cock, 1st, 3rd Hen, 1st Ckl., 1st 2nd pullet; and 2nd Pen. Won gold special for best exhibit of Wyandottes all varieties competing. Wouldn't give my 2nd pen for the 1st for \$25.00 difference.

Wis., Dec. 7, 1912.

Dear Sir:

Perhaps it will interest you to hear what I have done with the ckl. and 8 pullets I purchased from you early this year. We are having our show this week and again had Judge Tucker. I won 1st, 2nd, 3rd pullet and 1st, 2nd, 4th ckl. Cock and hens in moult so could not show, etc., etc.

These are all features you want and need in your flock. I can sell you sure winners, fine singles or mate up sure breeders. Have many fine yearling cocks for sale reasonable. Send 15c for catalog. Remember it's a pleasure to quote prices. Mating list ready.

**ARTHUR G. DUSTON**  
Box 1020 So. Framingham, Mass.



cockerel, Elizabeth, N. J.; first cockerel, Grand Central Palace, New York; first cockerel at Norfolk, Va. They still have several more shows to exhibit at. Besides these winnings they won first at every show in Blue Orpingtons, and also Diamond Jubilee Orpington pens where they exhibited. These winners will be in their best egg pens. All these winnings were made with different birds, they using a different team for every show. This insures fertile eggs from their winners. It will be to your advantage to write for their Mating List, which is now ready. The prices of their best eggs from their winners is \$20 a setting.

Wm. Cook & Sons have won cup for best display of Orpingtons at every show they have exhibited at this season.

#### SUNSWICK'S RECORD FOR 1912-13.

Beginning at the Allentown (Pa.) Show in September, 1912, we have made a great record for a specialty plant of S. C. Buff Orpingtons, and we now stand ready to supply hatching eggs and baby chicks, all bred from the following line bred Sunswick stock.

To return to the great Allentown Poultry Show, we captured second Buff cock, first Buff hen, first Buff cockerel and second pen, this in one of the keenest com-

petitions that it has ever been our pleasure to meet at an early fall show.

Next in line came Augusta, Ga., and that was a gay lot of birds—stiff competition and a grand class of Orpingtons to run up against. Both the imported and home-bred birds were there, standing on equal grounds till the judging. Then we won second and fifth cock, first cockerel, second and third hens, and for the second consecutive season silver cup for the best Buff Orpington cockerel.

It is needless to tell you of the keen competition at the Chicago Show in December, and there we carried no less than four first prizes on our Buff Orpingtons, Ducks and S. C. Orpingtons. Our first and third Buff hens were the occasion of much particular comment and admiration, and we were awarded champion sweepstakes special on this first grand hen, who is truly a perfect specimen of her kind.

At Baltimore, Md., in January we made our final winnings for the season and out of eleven entries won nine prizes—fourth Buff cock; first, third and fifth Buff hens; first, second and fourth Buff cockerels, and second pen, also gold special for best two males and four females in the show. This year Baltimore was a duplicate in competition to the usual show at the Garden in New York, even as far

as the judge, so needless to say the class was a good one and the awards to be relied upon.

We have grand breeding stock and hundreds of high-class utility birds, and our special facilities as a Buff Orpington specialty plant will enable us to fill large orders for splendid baby chicks bred from any or all of the above season's winners and those of seasons past, together with their descendants.

Send us your orders—we will fill them, having your best interests in view. Sunswick Poultry Farm, Rufus Delafield, owner, South Plainfield, N. J.

#### IOWANA FARMS—IOWA'S GREATEST POULTRY AND STOCK FARM.

[Editorial Note—The illustrations referred in this article will be found on page 259 of this issue.]

Iowana Farms is beautifully located on an elevated plateau, from which one gets a wonderful view of the surrounding country. On the Mississippi, seven miles above Davenport, an interurban line, with station and switch, affording easy transportation facilities, the location is ideal in every respect for either a poultry or stock farm. It was with a wise idea of its future developments that this ideal location was selected. The situation of the buildings was carefully planned with view to the landscape effect and the result is very pleasing indeed.

Designed by the owner, Col. G. Watson French, to demonstrate the desirability of stocking the farms of Iowa with pure bred stock only, neither time, trouble, nor expense, if practical, was spared at any point in building up this wonderful model stock farm, of which every resident of the state of Iowa has a right to feel justly proud. The writer, during the past seven years has visited many similar farms and the Iowana Farms is as elaborately and thoroughly equipped with buildings and every necessary convenience, in labor-saving devices, for both a stock and poultry farm as it has been our pleasure to see.

The farm embraces about 400 acres of fine fertile soil, all under fence, divided into convenient fields, for the raising of crops, pasture fields for the Holstein cattle, colony yard system for the Berkshire hogs, and on the slopes at one corner of the farm, some 20 acres of orchard where are located the colony coops and ranges for the White Orpingtons. Nearly 100 acres has been devoted to the raising of alfalfa, proven, by this farm, to be one of the most profitable crops for feeding to all their stock. Corn raised on this farm is second to none, a supply being always kept on hand so that only well seasoned feed of the choicest quality is fed to the poultry.

The buildings of the poultry department are located at the east end of the main line of buildings, all facing slightly east of south. The laying house in the first line, fronting on 1,000 feet of lawn expanse, with winter yards both front and rear. Some 200 feet behind the laying house is the brooder house and administration building. This latter building, in course of construction, contains a new sub-basement incubator cellar, connected to the brooder house by a wide passage way, making transfer of chicks from incubator to hover easy and safe. On the second floor are the washing, drying and conditioning rooms and the offices of Dr. Bryant Smith, manager of the Iowana Farms poultry department. To the north of these buildings is the 20-pen breeding house, and in the fourth line eight large Monitor type colony houses for wintering the surplus stock or as special breeding pens.

In the administration building are bins for storage of feed, killing and refrigerator room, feed mixing, bone cutting, and it is equipped with hot and cold water and an electric motor for driving the machinery. Every drinking fountain is thoroughly sterilized and this is only one of the many wise precautions against any epidemic. This is enforced in every department.

Incubators are used extensively, although Dr. Smith delights in letting his hens have their own sweet way, so that a large part of the Iowana Farms' S. C. White Orpingtons are hatched and reared by trusty mother hens. The chicks, incubator hatched, are reared in the brooder house shown in illustration No. 1. The hovers are the continuous pipe design and have given splendid satisfaction. After the chicks are old enough to be taken from the brooders—depending largely upon the season—they are taken to the orchard, where they are raised on the colony house plan as shown by figure 3, and as soon as sex is distinguished they are again separated into flocks according to sex and age. All yards are piped with a water supply so

# SIMPLEX

No Wick  
No Gas

No Fumes  
No Smoke

Direct  
Contact  
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1500  
Chicks  
Successfully  
Brooded around one Stove

# BROODER STOVE

## Get a SIMPLEX Brooder Stove

### Now and Make Money This Season

Why continue out of date and inefficient brooding methods when a brooder stove will save you so much?

**The Simplex costs one-fifth as much as brooders.**

**You can run it in almost any room.**

**Requires less than one-tenth the time and work.**

You save the frightful mortality of the old-style brooders. With the Simplex Brooder Stove you can really raise the young chicks. Don't think it is an untried experiment. Send to us for the evidence of success of this method. Let us show you how to do away with smoky and unreliable lamps and costly, cumbersome heaters and pipes. Don't fuss with the daily cleaning of small brooders or have any more smothered chicks.

The Simplex Brooder Stove is placed in the center of a room. It burns cheap, low-grade kerosene in direct contact burner. A simple, positive regulator keeps the temperature at 90 degrees automatically so that at a certain distance from the stove the chicks instinctively find just the temperature they want. They form a circle at that distance with their backs to the heat when they sleep. They scratch and eat in about that belt of heat by day. They grow up happy and contented, strong and healthy, because the conditions are now nearly like those of Nature. You can go to bed happily, too, and sleep all night, knowing that the Simplex is faithfully mothering your chicks. It won't go out. It won't smoke.

We want you to know more about the Simplex method and will gladly send our catalog free without obligation of any kind on your part. Will you write for a copy today? Better just spend a penny for a postcard to see if you can make more money our way. Better do it now so you can order a stove quick if you decide to change.

**SIMPLEX BROODER STOVE CO. -1- 115 Fourth Street -2- GRAND RAPIDS, MICH.**



that all fowls have an abundance of good pure well water at all times.

We noted a special arrangement that has proven highly satisfactory, shown in figure 2. These are the cock paddocks, where all the breeding males are kept after the breeding season—the illustration conveys the idea splendidly—each paddock confines one bird—they are 3x35 feet, each equipped with a roosting department with a sunny dust bath below, a feed hopper and drinking fountain and a grass and clover run 3x40 feet. In the neighborhood of 100 cock birds can be comfortably housed in this manner. All promising cockerels not sold are carried over in this manner, so that plenty of the breeding males are always on hand.

As we said before, no expense has been spared in the buildings and this is practically true about the poultry buildings and the poultry equipment. At the same time, while the buildings are of the most substantial material, no money has been wasted on filigree or ornamentation. The main poultry house is 140 feet long, divided by solid partitions into pens 20 feet deep, having open front construction with glass windows that are closed only in severe weather. Each opening is covered with wire netting and drop canvas curtains which are generally all that is required. The interior of this building is all lath and plaster and all the woodwork is painted white. Water is provided for each pen from a general water system which distributes water practically all over the farm and each pen is provided with a sanitary drinking fountain. The farm is also provided with an extensive lighting system and the poultry houses are equipped so that each pen may be lighted by simply throwing on the switch. A mounted carrier conveys the worn out litter outside the building to cement pits and every precaution has been taken in advance to prevent any disease ever getting into the flocks. The sanitary conditions are as perfect as it is possible to make them in the poultry buildings as well as in the stock barns.

The fundamental idea with Iowana Farms in all departments is health, practicability, stamina, vigor, and ability to reproduce. Any animal that is a weakling in any respect is not tolerated for one minute at Iowana Farms and a very high standard indeed has been set for every specimen used for breeding purposes. This is true in the poultry department as well as among the other stock.

After due consideration, the breed decided upon was Single Comb White Orpingtons, and the original foundation stock consisted of an exceptionally fine pen of Kellerstrass. Later Dr. Smith, after having personally visited many of the largest and best breeders, personally selected such other birds as he desired, no money being spared in securing the best stock obtainable.

The writer's first visit to Iowana Farms was over one and one-half years ago and although they had a large flock, considered good quality at that time, Dr. Smith then informed me that they were not yet ready to advertise or offer their stock for sale, as they first intended to thoroughly establish their bloodline and determine the quality produced by their breeding specimens before offering to sell any of their product to the public. We find that all pens are carefully trapnested and a close record kept so that they could easily determine where every quality stock was coming from. It is easy for the reader to see that when the best stock in the country is procured as the foundation breeding stock, and when carefully mated by experts who understand the hereditary breeding qualities of stock and fowls and when the sanitary conditions are absolutely perfect, no labor or expense is spared in producing the very highest quality and vigor always being uppermost, that under such ideal conditions as these, stock is bound to be produced with exceptionally constitutional vigor. Naturally, show birds and breeding stock of remarkable exhibition and breeding qualities are the result.

Therefore, it is no surprise to us to learn that when Iowana Farms did exhibit at four shows this season, they can win twenty-nine ribbons, two cups and special at Chicago for 2d best two pens by one exhibitor.

#### LICENE KILLS THE LICE.

When other lice-killers fail, try Licene; it does the work every time. Send to the Licene Co., Pontiac Bldg., Chicago, Ill., for free trial sample.

St. Louis, Mo., January 20th, 1913.  
The Licene Company, Pontiac Bldg., Chicago, Ills.

Gentlemen:—After one application of Licene, the wonderful lice exterminator, I found it to be the most effective lice

## The Ravens Rose Comb Reds

While they last, utility pens at \$10.00. Red, with type and color bred from Buffalo blue ribbon winners. Cockerels \$3.00 up; pullets \$1.50 up. Please write your wants.

M. C. De LOOF

BOX 171, WILLOUGHBY, OHIO

## S. H. HARTER'S

### Imperial Golden Buff Ply. Rocks

Set the seal of championship at the imperial show of all America, Madison Square Garden, New York, winter of 1911 and 1912, winning as follows: 1st, 2nd and 4th hens; 1st, 2nd and 5th pullets; 2nd cockerel; 5th cock; 2nd and 3rd pens; gold special for best display. At the Buff Rock Club meeting at Boston, 1912; 1st, 2nd and 3rd hens; 1st pullet; 6th cock; 4th pen; color and shape specials on females, in a class of 37 hens and 48 pullets. Let us supply you with exhibition birds, breeders or eggs. Write for mating list. Eggs, \$5 and \$10 per setting.

### NESCOPECK POULTRY FARM

S. H. HARTER, PROP., BOX A. NESCOPECK, PENNA.

## TABASCO REDS

### Champion S. C. Rhode Island Reds

Winners—1913—of best display at Madison Square Garden, with First and Fifth Cockerels, First and Second Pens, etc. Thirty Points to the next competitor's nineteen.

Winners—1913—First Cockerel and Second Pen, with Specials, at Boston's Great Show. First Cockerel at both New York and Boston in one season is an unequalled record to date.

Winners—1912—of the \$50 Cup for the best Cock, Cockerel, Hen, Pullet and Pen, at the annual meeting of the R. I. Red Club of America, at Boston.

Winners—1911—of First and Third Cockerels at Madison Square Garden, and First and Third Cockerels at Boston.

Winners of seven of the sixteen ribbons in the Cockerel Classes at Madison Square Garden the last three years.

Winners of First Pen at Boston five of the last six years.  
For red-hot Tabasco Reds address,

Old Acres :- Foxboro, Massachusetts

## BARRED PLYMOUTH ROCKS

### Madison Square Garden New York Winners

First Prize Hen and Second Prize Pullet was won by my birds, shown by me at the Great M. S. Garden, New York, Show, 1913. Birds of my breeding have also won at Philadelphia, Hagerstown, etc., this season and in years past. But this New York win stamps them among the leading and best lines of the world.

### Exhibition Females My Specialty

My First Prize Pullet Bred Cockerels at Philadelphia and at Hagerstown were the sensation of the Barred Rock Class, in shape and line barring with the richest of color and best of breeding quality. Both are in same line as my First Prize Hens at New York and Philadelphia. I now offer a few females and several

### Breeding Cockerels For Sale

Of the same line breeding at special prices while they last. Write me now. Cockerels at \$5 for quick sales. Some selected ones of special merit for \$7.50 and \$10. They are worth double that to any one who wishes to breed high class females. Pullets of my breeding have won first and second at the great Philadelphia show and at others as well. I assure absolute satisfaction to all. Write me.

C. N. MYERS : BOX A : HANOVER, PENNSYLVANIA



# Tompkins' Rhode Island Reds Both Combs

Better now than ever before. Hundreds of high-class breeding birds at reasonable prices. Write us before ordering elsewhere. Eggs from high class pens.

Concord Poultry Yards, Harold Tompkins, Prop., Concord, Mass.

## C. E. RILEY'S R. C. REDS

International Champions at Buffalo, 1913. In a great class of superior quality my birds won Special Champion Prizes in both male and female. The Mayor's Cup, the Breeders' Cup, etc. Cocks 1-4, hens 2-5, cockerels 1-3, pullets 1, pen 2. First display, etc. At Rochester, N. Y., 1913, cocks 2 and 3, hens 1 and 2, cockerels 1 and 2, pullet 5 and first pen \$25. Cup for most points won by any Red breeder, etc. A few cracker jack cockerels for sale. Eggs, \$5 per setting. For further information write me. Personal attention given.

C. E. RILEY :: :: 431 FARGO STREET :: :: BUFFALO, N. Y.

## ALT'S S. C. REDS

Sensational winners Buffalo International, 1913. For three consecutive years they have been the leading winners at the great International Exhibit at Buffalo, N. Y. This year they won cock 4, hen 1, cockerel 1, pullet 1-3, pen 1-2; both shape and color specials, etc. My first prize cockerel was pronounced a wonder in type and richness of color. Stock for sale of superior merit. Trios and pens mated for results. Eggs for hatching. Write me your wants. Satisfaction assured.

H. W. ALT :: 87 FULLER STREET :: BUFFALO, N. Y.

## BUFF ORPINGTONS, BLACK MINORCAS

Now as the hatching season is beginning and you surely want to buy the best stock that you can get for the money, we will quote you a few of our winnings in four state fairs in competition with the large Eastern breeders.

In the S. C. Buff Orpington Class—At the Nashville State Fair we won: 1st hen; 2nd cock; 2nd pullet; 3rd and 4th cockerel; 3rd and 5th pen; 5th cock. Also a special premium on the hen for being the best in the fair. At the Alabama State Fair we won: 1st cockerel; 2nd cock; 2nd hen and 2nd pullet. At the Mississippi State Fair, one of the largest ever held in Jackson: 1st cock; 1st hen; 1st and 3rd cockerel. At the Louisiana State Fair we won: 2nd cock; 3rd hen; 3rd cockerel.

We have the nicest lot of S. C. Black Orpingtons which were not exhibited, this year.

In the S. C. Black Minorca Class—At the Alabama State Fair we won: 1st, 2nd and 4th cockerel; 1st, 2nd, 3rd, 4th and 5th pullet; 1st and 2nd cock; 2nd, 3rd and 4th hen; 1st and 2nd pen. Also a premium for best display of Aseatics. At the Mississippi State Fair we won: 1st, 2nd and 3rd cockerel; 2nd and 4th pullet; 2nd hen; 3rd cock, and 1st pen. Louisiana State Fair: 1st and 2nd cock; 1st, 2nd and 3rd cockerel; 1st, 2nd, 4th and 5th pullet; 2nd hen; 1st and 2nd pens.

This should be evidence that we have stock or eggs that you are looking for. We have the largest and best equipped poultry farm in the South. You do not have to go East for eggs for hatching season, taking chances on the climate where you can get them just as good for possibly less money. All our stock are free range. They are up to the standard in weight, type and color. Correspondence solicited. Day old chicks only when ordered.

Kenmore Poultry Farm - Maxey Lane & Gallatin Pike : Nashville, Tennessee

## SPRING WATER'S FAMOUS S. C. W. LEGHORNS

WE HAVE NO OTHER BREEDS

### Day-Old Chicks Eggs for Hatching

No strain can excel "Spring Waters" for vitality and the necessary qualities to produce prize winners. At the recent Baltimore show we won 2 firsts, 2 seconds, 1 fifth and 1 eighth. Our First Prize Pullet being the sensation of the show.

### Our Prices Will Please You Our Treatment Must Satisfy You

What we guarantee: That chicks will be hatched from eggs laid by our breeders only; the safe arrival of our chicks; the fertility of our eggs, and that you must be satisfied if dealing with us. Our capacity is 20,000 eggs at one sitting. We have a few choice Breeding Cockerels to dispose of. Write for free illustrated booklet. Write us before placing your order for this season's wants.

Spring Water Poultry Farm : Stockton, N. J.

killer on the market. I have tried numerous remedies supposed to kill lice, all of which failed, and now I earnestly encourage and cheerfully recommend "LICE-CENE" to all Poultrymen. Wishing you further success, I am, yours respectfully, Wm. Lodenkamper, 2148 Linton Ave., St. Louis, Mo.

### THE SANITARY HOVER AND GREEN FOOD GROWER.

Many have asked how it is, since the lamp of the International Sanitary Hover is placed in the center of the hovering space and can be lifted out through the top, that the hover can be warmer near the curtain than at the center. A very simple explanation will suffice to make this clear.

The hover is composed of two metal domes, one inverted against the other. The bottom of the lower dome is drawn down so as to form a vessel for the lamp to sit in. The chimney of the lamp extends up into the space between the dome and close to the under surface of the upper dome, or cover. The heat is driven against the under surface of this cover and spreads out in an even, cloud-like sheet, coming first into contact with the lower dome or ceiling over the hovering space at the edges near the curtain. An inch of mineral wool between the two thicknesses of the cover prevents excessive loss of heat upward. All heat is radiated downward upon the backs of the chicks.

For a detailed description of the Sanitary Hover, send a post card to the International Poultry Sales Company, Brown's Mills, N. J., asking for a catalog.

### ADAIR'S S. C. BLACK ORPINGTONS.

One of the most exclusive and up-to-date poultry plants is that of J. T. Adair, breeder of Single Comb Black Orpingtons, located in the town of Millersburg, Ky. Mr. Adair raises his birds on range on two places. One place is on the edge of town and contains three and one-half acres, and where he raises his young stock, the other place is where he lives and contains one acre; on this place he keeps his matings. He has one house 12x48 and six 18x24—cockerel house and conditioning room together—21 colony houses on the 3¼ acres. He is installing a 6,000-egg capacity incubator and will be in shape to do a nice baby chick business. No chicken grows faster than a Single Comb Black Orpington and people waking up to this fact creates a good demand for this variety of baby chicks. At the late Louisville, Ky., show in as fine a class of Single Comb Black Orpingtons as were ever under one roof together, Mr. Adair won 5th cockerel, 1st cockerel, 1st and 3d hen, 5th pullet and 4th and 5th pen, and Our Country's silver cup for best display for Kentucky breeders. I saw his exhibit at Louisville and handled his birds. They are grand in type and color and very large. Write for literature and list of winnings.—H. H. Coburn.

### LONGFIELD POULTRY FARMS.

D. K. Williamson, proprietor and owner of Longfield Poultry Farm, Bluffton, Ind., is wearing the smile that won't come off, owing to his fine winnings at the great Mid-West Show in Chicago, December 12 to 17, 1912, in one of the largest classes ever shown, and to his grand clean-up at the great Armory Show at Louisville, Ky., December 23-28, 1912, where the Longfield Rose Comb Reds more than asserted themselves, winning championship hen special; first, second, third and fifth cock; first hen; first second, third pullet; second, third, fourth and fifth cockerel; first old pen, and first young pen; silver cup for best display and specials for best color male and female in show. The Chicago winnings were champion female, 1st hen, 2d young pen, 4th pullet, 5th old pen, 5th cock shape and color specials for best colored male and female. In addition to these winnings the first cockerel and first pullet bred from females and his first Chicago cockerel 1911, which were mated by Mr. Williamson and sold to Mr. H. A. Robinson. It will be remembered that at Chicago, 1911 the Longfield Rose Comb Reds won every first and in the past two years have won more than twice as many firsts as any other Rose Comb breeder, at Chicago, as well as winning the lion's share at such shows as Louisville and Indianapolis. The fact is, Mr. Williamson is such a connoisseur at mating Rose Comb Reds he can produce any shade or point he goes after. He has a lot of cockerels bred same as the above mentioned winners. A word to the wise is sufficient.—H. H. Coburn.



## MAINTAINING A STANDARD.

That it is a strictly commercial proposition, and an extremely profitable one, to set and maintain a high standard on a big poultry plant, has certainly been conclusively demonstrated on the Peerless Farms, the modern poultry unit owned and managed by A. I. Rosbrook, near Northport, Long Island. And not only is it interesting as an achievement, but it makes mighty interesting reading.

Peerless Farms, to begin with, specialize on White Leghorns. The owner has an idea that this breed lay sooner and oftener and develop into better breeders, broilers and make altogether a finer grade of poultry products than any others. The manner in which the denizens of Peerless Farms perform would indicate that there is something in this theory, too. They are certainly fine specimens of good breeding.

The manner in which the breeding stock is kept up to the Peerless standard has been thoroughly worked out. First, every hen is rigidly trap-nested through her pullet year, and every one that fails to lay as many as 175 eggs is culled from the breeding pens. Next, every pullet is weighed on the day she lays her first egg and again at the end of the laying season. Every one that begins laying under 3½ pounds, or fails to lay under 5 pounds, is discarded. Pullets must have begun laying before five and one-half months old, although if a bird shows up well in other ways failure to meet this requirement will not keep her from the laying houses. Finally, every bird admitted as a breeder must conform strictly to the Standard of Perfection.

Mr. Rosbrook has an attractive leaflet, illustrated with views of the farm, that will be sent to any poultryman interested in a big plant properly conducted.

## WILLIAMS' S. C. BUFF ORPINGTONS.

Of course the poultry public at large know that John Williams of North Adams, Mich., is one of our veteran Orpington breeders, entering the game when it was practically in its infancy on this side of the Atlantic ocean. Mr. Williams has imported many fine specimens in Buff and other varieties of Orpingtons, being the very first to import the Rose Comb Whites. But the grand old Buff Orpington is his favorite and stand out among others like the majestic oak of the forest. I have had the pleasure of visiting his poultry farm many times during the past ten or twelve years and can mark a decided change for the better in Mr. Williams' Buffs. He now has them golden buff to the skin and true Orpington type. His place at North Adams contains about ten acres, and his buildings are of the open fresh air front style—and kept in the most sanitary condition. Mr. Williams raises some of his young stock on range but puts out hundreds of eggs among the farmers and culling severely in fall—no inferior bird reaches his place—by this method he not only simplifies labor but gets the most healthy and vigorous birds possible. Mr. Williams is a seeker for 200 eggs per hen record—and by careful selection has hundreds that hit this high mark. His birds have a long and honorable show record. Write him for catalog and detailed list of winnings.—H. H. Coburn.

## THORNILEY'S MOTTLED ANCONA.

One of the largest specialty breeders of the very profitable and popular Ancona is Mr. Willard J. Thorniley, located just east of Marietta, Ohio, on the Pennsylvania and B. & O. lines. His farm is known as The River View Poultry Farm, and consists of 80 acres of rich undulating land with excellent drainage making it especially adapted for a poultry farm. Some 11 years ago when Mr. Thorniley embarked in the Ancona specialty business he determined to improve the size of the Ancona and still adhere to the beautiful marking, and so strenuously did he work it out on this line, he has succeeded in making the River View strain of Anconas almost as large as Rose Comb Black Minorcas. The Ancona is a strictly business breed. Pullets begin laying at the age of from 4 to 5 months and keep right on laying, a few individuals reaching the 220 to 231 mark and many laying 200 eggs in a year. The flesh of the Ancona is yellow and as they are always as plump as partridge, they are very toothsome. Maturing as quickly as they do, the surplus cockerels make excellent broilers at a very tender age, and as Ancona eggs hatch like popcorn popping, Mr. Thorniley hatches them by the thousand and keeps only the very best for

## WINGOLD BUFF ORPINGTONS &amp; BUFF WYANDOTTES

Winners at St. Louis, Indianapolis and Cleveland. Several grand breeders left at bargain prices. Remember "Wingolds" are buff to the skin. Stock shipped on approval. F. A. Foertner - Box A, Berea, O.



## The Gillette Poultry Feeder

The machine that will make the feeding of your poultry simple and easy. It will feed any kind of grain—whole, cracked or mixed, better than the expert. The poultryman who neglects to get a Gillette Poultry Feeder deprives himself of the only really efficient method of feeding poultry. It saves a large portion of your grain and time, increases the vitality and productiveness of your stock. The only ball bearing machine on the market. Absolutely the only machine in the world that feeds BABY CHICKS as well as grown birds. You really get two machines for the price of one when you buy the Gillette. ORDER TODAY. One size, one-half bushel capacity, price \$2.50. Your name and address will bring our circular. Manufactured and for sale by

Fred W. Morse Co. -:- Providence, Rhode Island

## Again Win at Chicago

## Rose Comb Rhode Island Reds

Our Recent Winning Great Chicago Show—1st hen; 2d young pen; 4th pullet; 5th old pen; 5th cock; shape and color special on female and Champion Female in the strongest competition ever seen at Chicago. In addition to these, 1st chl. and 1st pullet were sired by our 1st cockerel of last year, which we sold to and mated for Mr. H. A. Robinson.

## At the Chicago Show, 1911

We won 1 cock; 1 cockerel; 1-3 pullets; 1 young pen. In the past two years we have won more than twice as many firsts as any other exhibitor at this great show.

## At Louisville, Ky., Dec., 1912

Where the north, south and west met, we won, 1-2-3 cocks; 1 hen; 2-3-4-5 cockerels; 1-2-3 pullets; 1 old pen; 1 young pen and Silver Cup for best display. If you wish birds of quality or eggs that will hatch them, write us. Mating list now ready. Stock on approval always.

Longfield Poultry Farm, Box 321, Bluffton, Indiana

## Who Has the Best White Rocks?



Last season I won 9 out of 10 firsts and more 2nd and 3rd than all others put together at the big shows—CHICAGO AND DETROIT. That made the fourth time that

HALBACH'S  
STAY WHITE STRAIN

won best display at Chicago. This year again they were crowned with glory by winning 1, 2, 3, 5 Cock; 1, 2, 3, 7 Cockerel; 4 Pullet; 1, 2, 3, 5 Hen; 1, 2 Pen, in a class of 232 birds, at the big Springfield Show, where the National Meeting of the White Fly. Rock Club was held. Also specials for shape and color. Besides this they clinched their claims when the 1st Cockerel was awarded the GRAND CHAMPIONSHIP for BEST MALE IN SHOW against 3500 birds. Have mated these and my other noted winners and will sell eggs from the very best matings ever put together at \$15.00 per 15. Utility eggs \$10.00 per 100. Catalogue 10 cents. Mating list free.

SPECIAL—12 utility females and male, \$25; breeding pens, 4 females 1 male, \$35

H. W. HALBACH : Box 1 : WATERFORD, WIS.



## Columbian and Silver Wyandottes

If you are looking for the very best in either of the above we can please you—our birds have demonstrated their quality by their winnings at Madison Square Garden and Boston for the last ten years.

J. F. Van Alstyne

Niverville, New York

## White I. R. Ducks "Fishel Strain Direct"

My winnings at Chicago, Milwaukee, Minneapolis and the National Fanciers' Club Show at Indianapolis, Ind., during winter of 1912 and 1913 stand unequalled. From fourteen entries at these four shows won thirteen prizes. I am booking orders for eggs from five grand pens that lay pure white eggs, mated by judge Hackett, who pronounced them of superb quality. Pen No. 1—My special mating contains unsurpassed quality; every bird in this pen was a blue ribbon winner at one of the above-named shows. Eggs from this pen, \$10 per setting. Pens No. 2, 3, 4 and 5 contain selected breeders, among which are my second, third and fourth prize winners. Eggs from these four pens, \$3 per 11, \$5 per 25, \$18 per 100.

EDW. M. LONGMORE, SOMERS, WIS

## S. C. WHITE, BUFF ORPINGTONS; S. C. W., BUFF, BLUE LEGHORNS; BUFF ORPINGTON DUCKS

Our 1st White Orpington Cockerel and A. P. A. Medal winner "Champion Snowflake," the sensation of Palace, N. Y., and Baltimore Shows. Our 1st Buff Cockerel, Grand Central Palace, a marvel in color and type. Our Leghorns well up in front and our ducks make clean sweep three shows. Stock and eggs.

Dunrobin Farm : Box 277 : Red Banks, New Jersey

## WHITE ROCKS AND WHITE WYANDOTTES

The big shows are over and it is interesting to know who made the greatest WINNINGS. At the BOSTON SHOW, Jan. 7-11-13 in a class of 230 White Rocks WE WON 1st and 3rd Cock; 1st Hen; 1st, 2nd and 3rd Pullet; 1st Pen, \$100.00 Champion Challenge Cup; Best Male; Best Display; Best 2 Cocks; 2 Hens, 2 Chks., 2 Pullets and Pen; Champion Male, Champion Female; Best Headed Male; 3 Best Cockerels and 3 Best Pullets.

Our Wyandottes won at New York, Dec. 31st to Jan. 4th, 4th Cock; 2nd Pen, in class of 18. Also at New Haven, Ct., Nov. 1912 on two entries, winning 1st Pullet; 2nd Cockerel and A. P. A. Silver Medal for best Cockerel in show owned by a member. Brockton Fair in Oct. 1912, on three entries winning 1st Cockerel; 2nd Pullet and 1st Pen. Shape and Color Special.

Extra choice breeding birds for sale. NO ROCK EGGS for sale before April 15th. Wyandotte Eggs after Feb. 15th. Remember WE HAVE A RECORD. Tel Marlboro Ex. Be sure to state WHICH BREED when writing us.

Rockandotte Farm : W. R. Graves, Judge  
Mrs. S. H. Graves, Judge : R. 3, Southboro, Mass.

## "O. K." Poultry Litter

TRADE MARK

### We Will Mail You a Free Sample

Write for it today

"O. K." POULTRY LITTER is the most wonderful litter for BABY CHICKS and POULTRY of all kinds. It's cheaper and ever so much better than Straw, Clover, Alfalfa, Sawdust, Shavings, or anything else anyone has ever thought of for litter. Everyone who tries it will use nothing else.

In the BROODER one lot of "O. K." Litter lasts until the chicks have outgrown the brooder without one single cleaning out, and always keeps the brooder clean, dry and sweet. In COOPS, LAYING HOUSES and SCRATCHING PENS, "O. K." Litter dries up the droppings so that the house is always dry, clean, sweet-smelling and sanitary, and needs cleaning out only once every three or four months. "O. K." Litter is a tremendous saver of time and money.

"O. K." Litter will not burn. Lice will not come where it is used. TELL US HOW MANY HENS YOU KEEP—WE WILL TELL YOU HOW MUCH "O. K." LITTER YOU NEED.

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THE O. K. CO., Dept. 158  
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his breeding pens, many of which score from 94 to 96½ points. The males heading his pens are the best that grow, "females accordingly." The River View Anconas have a fine show record and Mr. Thornley offers incubator eggs by the thousand. The buildings are good and kept sweet and clean—and are constructed on the fresh air front plan. Visitors are welcome at River View and the catalog is yours for the asking.—H. H. Coburn.

### A BLUE RIBBON CATALOG.

Wide interest and much comment of a decidedly favorable nature have been created in poultry circles by the recent appearance of the superb catalog of the Tywacana Farms Poultry Company, Farmingdale, Long Island. Of course, the appreciation from the breeders and fanciers has been due purely and simply to the excellence of the material set forth in the book, and the interesting manner in which the story of one of the greatest poultry plants in the East is told. Indeed, "Tywacana Quality"—this is the title of the publication—is well worth reading by any poultryman, in any section. It is in the nature of an achievement—the setting of a high standard and the living up to it.

From the printing trade, however, have come other comments, equally favorable and of a different nature. These have centered on the mechanical excellence of the book. Bound in a rough blue cover, on which is embossed in rich gold the trade mark and emblem of the Farms, the exterior is decidedly prepossessing. Inside, everything is right up to the style set by the outside. Two colors, an illustration from an actual photograph on every page, and a most attractive type display, combine to make the booklet a thing of beauty as well as interest.

It is convincing evidence of the increasing progress and stability of the poultry business when such a catalog appears. A fine product requires—nay, demands—a fine catalog, and should have it. The superlative quality and excellence of the Tywacana stock certainly are well set forth in this book, and no poultryman should be without a copy on his desk. A postal to the Tywacana Farms Poultry Co., Farmingdale, L. I., N. Y., will bring one by return mail, postage paid.

### SENSATIONAL WINNINGS.

It is doubtful if any fancier has made more rapid strides to success nor has more certainly arrived in about six years than Mr. Guy Daily, proprietor of "Fairview," Jefferson, Ind. During a long illness with typhoid fever Mr. Daily contracted the "chicken fever" as a complication, and after much study and a most thorough investigation into a list of breeds that looked favorable to him, he decided that the White Plymouth Rock as the breed meeting all necessary requirements, and which breed he now recommends from personal experience, has proven them the best money makers along utility as well as fancy lines. Mr. Daily went at it right and started with the very best he could buy, and with bulldog persistency he has made Fairview White Plymouth Rocks one of the best and leading strains in existence. Mr. Daily is one of the most pleasant and conscientious young men in the fancy poultry business and this, too, helps as well as the superiority of his stock. Fairview contains fifty acres of well drained rolling land, having a gradual southeastern slope. There is much beautiful shade, besides 450 fruit trees. The residence is a very modern and attractive bungalow, and the buildings are chiefly of the Tolman and Woods Semi-Monitor fresh air type, this style being the most satisfactory to Mr. Daily, and he is remodeling all other styles to conform to this plan. He has recently built a conditioning and wash building. He hatches all early chicks with incubators, but sets hens as fast as he can procure them, maintaining the hen hatched chicks prove the show birds. However, he raises them in brooders, claiming he can control them better and keep them free from vermin. To show what the Fairview White Rocks are for layers, they won the White Rock class in the Evening Post's International egg-laying contest, and were third in the entire contest. The show record for 1911 at Louisville and Indianapolis prove the Fairview Rocks winners and breeders of winners. Kentucky State Show, January 12, cock, 1st, 2d, 3d; hen, 1st, 2d, 3d, 4th, 5th; cockerel, 1st, 3d, 5th; pullet, 1st, 3d, 5th; pen, 2d and 3d. Special Pratt cup for best pullet in any class in show. A. P. A. silver medal for best White Rock cockerel in show. Poultry Ideas for best cockerel in show, all varieties competing. Louisville Poultry and Pet Stock cup for best display of Rocks any one variety. Five dollar gold special for best



## Armstrong's S. C. Rhode Island Reds

Won 1st Cockerel and Color Special for Best Colored Male—both Cockerels and Cocks competing—at the Ohio State Poultry Show at Columbus, Jan. 13-18, 1913. Eggs, \$3 and \$5 per 15. **R. I. ARMSTRONG : 1054 SULLIVANT AVE. : COLUMBUS, OHIO**

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**American Poultry Journal Pub. Co., 542 So. Dearborn St., Chicago**

## A Bright New Book of 180 Pages for 1913

Telling the Plain Truth about BURPEE-QUALITY SEEDS, is mailed Free of Cost to Gardeners everywhere upon Application to **W. ATLEE BURPEE & CO., Burpee Buildings, Philadelphia**

## SILVER CAMPINES, CRYSTAL WHITE ORPINGTONS AND WHITE RUNNER DUCKS

Won second cockerel and fifth pullet on my improved champion campines at Chicago this Winter. Few cockerels for sale. Orpingtons, Kellerstrass direct. Special sale of trios, pens, hens and early cockerels. Best blood lines in the country of White Runners. Won third and fourth young duck at Chicago. Fine stock for sale. Eggs from all varieties, chicks and ducklings. Mention A. F. J. when writing.

**ALICE RAWSON**

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**BIG ROCK, ILLINOIS**



## White Rocks

I offer you eggs for hatching from my "De Luxe," mating, headed by a cockerel that won at the Illinois State Fair, Quincy Poultry Show, and Illinois State Show (The National White Rock Club Meeting Show), where he defeated Owen Farm's cockerel that won 1st at Chicago for \$7.00 per 15 eggs. Express charges prepaid. The mother of this cockerel laid 210 eggs in one year, and he is mated to my very best females. Eggs from my other special matings \$4.00 per 15; \$18.00 per 100. Express charges prepaid. From a large flock of high-class birds \$2.00 per 15; \$7.00 per 100. Extra high class breeding cockerels, \$5.00 each. Show cockerels \$7.50, \$10.00 and \$15.00 each. Mating list free.

**CHAS. A. SIMMONDS**  
CAMP POINT -- ILLINOIS

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For a short time only, an exceptional opportunity to secure **Valuable Books on Poultry Management**, by taking advantage of our generous subscription offer for **Poultry Success**. Every poultryman should read **POULTRY SUCCESS**, the foremost poultry journal. Progressive, live, up-to-the-minute—the magazine that keeps you posted. A subscription to **POULTRY SUCCESS** will save you money, increase your business, make you a better manager. Every poultryman and woman should read it.

**FOUR STANDARD BOOKS ON MANAGING THE POULTRY PLANT—Profits in Poultry Keeping Solved**, by Edgar Briggs. This is the new revised fifth edition of this famous book, covering every phase of the business. No poultry raiser can afford to be without this great book.

**Up-to-Date Poultry Houses and Appliances**. Containing drawings and designs for building the modern plant and all kinds of equipment. A valuable book, well illustrated. Price, 50 cents.

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(Three big issues of America's foremost poultry magazine, its pages filled to overflowing with valuable short cuts, live poultry news, interesting articles by big men in the poultry world, for only one dime.)

Never before have such generous offers been made by a poultry paper. By means of it, you can learn thoroughly the principles underlying your business and at the same time keep up with its progress and development. Write today. Sample copy of **POULTRY SUCCESS** free.

The A. D. Hosterman Co., Publishers, Eastern Office, Press Bldg., Binghamton, New York, Springfield, Ohio

bird in show bred and exhibited by member Kentucky State Poultry Association. Gold band for champion pullet in show. At three of the most hotly contested of State Fairs, Fairview Rocks won 28 out of a possible 32. At the Great Mid-Week Poultry Show at Chicago, 1911, in a class of 186 Fairview White Rocks won 2d cock in class of 28, 3d pullet in class of 35, and 4th pen in class of 12, and the remarkable thing about this great winning was the birds were not especially fitted—just caught and washed. The past season they made a wonderful record at the Tennessee and Illinois State Fairs. Last but not least at the last Chicago Show, in the strongest class ever shown in the Northwest, he won 1st hen, 1st and 3d pen, 5th cockerel and championship hen. I have been down to his farm recently and saw his entire flock, which surpasses all previous records unqualifiedly. Write for catalog and address **Guy Daily, Jeffersonville, Ind.—H. H. Coburn.**

## SCRANTON'S SINGLE COMB REDS.

While in the South I enjoyed the hospitality of Mr. H. B. Scranton at his beautiful home on the edge of Rising Sun, Ind. I thought I had seen Reds, and the best Reds that grew, but never before. Mr. Scranton maintains that to raise good Reds one has to know the family tree and he has the most remarkable knowledge right at his tongue's end of the pedigree of each individual, the writer ever came in contact with. One can pick any bird in his flock and Mr. Scranton will tell how he was bred and show you his sisters and his cousins, and his aunts, and mate him to such and such a bird, what he will produce. As before stated, it is most remarkable. As is generally known, Mr. Scranton is old at the business and has given Reds his closest study and he surely has arrived. His place in Rising Sun contains ten acres, but he raises most of his young stock on a beautiful farm of 325 acres, where he has some 20 colony houses, mostly double, and whatever other buildings he needs, until he is ready to bring them in in the fall. In Rising Sun he has all necessary buildings. One conditioning house is 20x36 feet and is lathed and plastered, and has a capacity of 50 birds. There is another double deck conditioning building, with runs for cockerels. In his brooder house he uses International hovers and runs his Prairie State incubators in basement under residence. Also raises many chicks with "good mother hen." I handled many of his birds at his place, and those at the Louisville show, and never saw a more even bunch nor such grand color and sharp black points. Mr. Scranton's Single Comb Reds have a long show record and some of his more recent winnings are as follows: At the great Louisville, Ky., December 23-28, 1912, cocks, 2d, 3d, 4th and 5th; cockerels, 1st, 2d, 3d, 4th and 5th; hen, 2d and 5th; pullet, 2d, 4th and 5th; old pen, 1st and 2d; young pen, 1st and 3d; silver cup for most points of any exhibitor—114 points in all. Hagerstown, 1912, cock, 2d and 5th; cockerel, 2d and 5th; cockerel, 1st, 2d and 5th; hen, 1st, 2d and 4th; pullet, 3d and 5th; first young pen, every bird getting a place but one; special for best Red in show. Chicago, 1910, won five 1sts and all specials. Mr. Scranton is mating 15 pens for the egg trade and these pens are headed by these winners and others not mentioned, and contain these and many other winning females. Mr. Scranton has made a science as well as a business of raising Single Comb Reds. Write for his catalog.—H. H. Coburn.

## PEERLESS POULTRY FARMS.

At the edge of Kenton, Ohio, lies the Peerless Poultry Farm, and it is one of the largest real poultry farms in Ohio. This farm is not only large in the utility and fancy business but is cutting quite a swathe in the baby chicks industry. The buildings are among the finest and consist of one laying house 10x240 feet, one 20x200 feet, one 12x60 feet, 15 movable colony houses 8x8 feet. The incubator cellar is a fine one built of stone and is 30x40 feet and has a capacity of 12,000 eggs—all the large buildings are lighted with electricity—and incubators are all heated with gas, all burners burn a blue flame from which there is no disagreeable odor. The incubator cellar has perfect ventilation and this farm is in ship shape to successfully handle the baby chicks trade most satisfactorily and can not help hatching the strongest of chicks. White Wyandottes and Single Comb Brown Leghorns have been added for the baby chick trade. The pens mated are of first-class stock, containing many high class exhibition birds that will



produce winners, and as they were selected from heavy egg producers they will make good as layers for those who want flocks for eggs and meat. The Peerless Poultry Farms Single Comb White Leghorns and Barred Plymouth Rocks already have a nifty show record, winning at such great shows as Chicago, Columbus, Toledo, Fort Wayne, Findlay and Coxey. The males they have left for sale are the best and most vigorous they ever raised—the kind that will fertilize eggs to the tune of 100 per cent hatches. The water supply on this farm comes from a drive well 140 feet deep. This farm has been doing business since 1905, so is no experiment but a reality. Write for catalog.—H. H. Coburn.

### AT LAST, A METHOD OF HATCHING THAT SATISFIES.

There is one great factor in the poultry business that interferes most seriously with the profits of the business. This is not having your chickens properly hatched so as to make a rapid and steady growth from the time they leave the shell until marketed, or put in the laying or breeding pens. Hundreds of thousands of dollars have been—and are being spent today, in bringing out and advertising the many "so-called" solutions of successful chicken hatching, both for natural and artificial methods, principally though for artificial inventions. But with all the many inventions that are being so widely advertised and exploited from one side of the country to the other, through the scores of poultry and farm publications, they have sooner or later failed to satisfy the demands of the poultry raisers who will only be satisfied with the largest possible profits from his fowls.

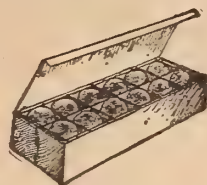
The thousands of poultry keepers who have suffered the disappointments and heavy losses inflicted upon them by these inadequate methods of hatching, have manifested much faith in the old adage "Time changes all things," which has certainly not disappointed them inasmuch as Elmer S. West, a poultry expert, has invented and perfected the famous Paradise Hatchery, which is voluntarily admitted by users to SATISFY.

If the Paradise Way doesn't solve your chicken hatching problems Noah is not dead, but yet lives. Space will not permit here to describe the many points of superiority of the Paradise Hatchery over all other methods of hatching, but poultry raisers who wish to make their chicken hatching a pleasure as well as the most profitable, should not fail to write Elmer S. West, Ewing, Ky., for his free circular, which will be sent free to the readers of American Poultry Journal.

Great interest is being manifested by breeders of fancy poultry, to secure a first-class reliable light weight box, in which to ship eggs by parcels post, and have the eggs arrive in a hatchable condition in any of the mail zones in the United States. The law requires a box to be made in such a manner that each egg will be securely packed and not touch each other. We have made an investigation, and show a

### EGG BOXES FOR PARCELS POST.

small cut of the Rippley Box, which has been placed on the market for the shipment of eggs for hatching, by parcels post and express shipments. These boxes are made 1 setting, 2 setting, 50 and 100 egg sizes. They are made of strong corrugated double wall cardboard, have corrugated partitions, and made so each egg can be packed without touching each other. A trial test was made in St. Louis. A 1 setting box was packed for postal shipment, and was cast out of a seven-story building to the concrete street, and not one egg was broken. They will stand a weight of 3,000 pounds. They are provided with gummed tape for sealing box, and a gummed label for the address.



Rippley's Perfect 3 Piece Egg Boxes

We are pleased to show a picture of The Rippley Perfect Egg Carton, which is made in one setting size. These boxes are made of strong cardboard, and are suitable for delivering eggs on local rural routes to cities and towns. Thirty dozen of these cartons can be packed in an egg case. They are also provided with the name

of the breeder or farmer in one or two colors, and the breeder that puts his eggs up in cartons advertises his business, and can command 5 to 10 cents more per dozen for his fresh eggs. As the above cartons and egg boxes meet the parcels post requirements, and breeders can deliver one setting of eggs as far as in the fifth zone at a cost of 23 cents, he is able to make prices delivered to his customers. It will be wise for customers to investigate these boxes, and note the ad of them in this issue.

Day old chicks can not be sent by parcel post. Address Rippley Mfg. Co., Box 027, Grafton, Ill.

### QUICK INSTALLATIONS.

With the true sectional construction of the Candee Incubator, one does not have to plan months ahead in order to get one installed and running. All this has been simplified and now Candee customers buy just the same as they would small machines. If a man wants a 1,200 egg incubator, he writes or telegraphs for it and that day the two-crated sections and the heater are loaded into the freight car and sent on the way. Everything is all complete and the purchaser puts the heater in place in less time than it takes to set a kitchen range. The incubator legs are set up and the sections lifted on and in a day or less, the machine is ready for the eggs. Thus the mammoth business has been revolutionized by the Candee Incubator & Brooder Co., Eastwood, N. Y. Because their machine is all built and each section is completed at the factory, Candee equipment has been approved by the underwriters. This means cheap insurance.

We are pleased to note that in one of the largest Ancona classes in the history of the New York Show, Mr. H. Cecil Sheppard of Berea, Ohio, carried off the majority of the first and second prizes in both Rose Comb and Single classes. This makes the sixth consecutive year that Sheppard's famous Anconas have been victorious at the Nation's greatest show. We are pleased to compliment Mr. Sheppard on his record and from the number of favorable comments received at the show, we believe that his birds are all he claims for them.

HAVE YOUR HATCHES INSURED PROGRESSIVE POULTRYMEN EVERYWHERE ARE DOING IT. THERE'S A REASON. SEE MARTIN'S AD ON PAGE 347

## PERKINS' PARTRIDGE PLYMOUTH ROCKS

EGGS FOR HATCHING—20 PENS N. Y. FOR THE TRADE. 1 pen, 50; 2 pens, 30; 3 pens, 10; 4 pens, 5; 5 pens, 3; 6 pens, 2; 7 pens, 1; 8 pens, 1; 9 pens, 1; 10 pens, 1; 11 pens, 1; 12 pens, 1; 13 pens, 1; 14 pens, 1; 15 pens, 1; 16 pens, 1; 17 pens, 1; 18 pens, 1; 19 pens, 1; 20 pens, 1.

F. N. PERKINS

22 HARLEM ROAD

FREEDPORT, ILLINOIS

## TOM BARRON'S STRAIN S. COMB WHITE LEGHORNS

Winners of North American Egg-Laying Contest for Six Winter Months. Over 200 trap nests used on our farm. Individual records run as high as 142 eggs in Six Winter Months. Free catalogue. Eggs for hatching. Day old chicks.

THE PENNA POULTRY FARM

LANCASTER, PENNSYLVANIA

## STRAIN S. C. WHITE LEGHORNS

THE KIND THAT WIN AND LAY

I am now booking orders for hatching eggs. You are not getting the best unless you are getting Swastika Strain S. C. White Leghorns. Stock for sale at prices that will appeal to you. Catalog free.

Swastika Poultry Yards

O. E. Faxon, Prop.

Plano, Illinois



## SINGLE COMB WHITE LEGHORNS ROSE AND SINGLE COMB REDS

We will take a limited number of orders for day old chicks and hatching eggs this season. Our strains are of the best blood of the country range raised, perfectly housed and fed, and show the size, vigor and health that guarantee early and heavy egg production. Write us early for prices and information.

INGLESIDE FARMS : HOOPSTON, ILLINOIS





### THE IMPORTANCE OF THE PACKAGE.

Nothing creates so favorable a first impression on the purchaser of an article, or renders him so liable to be pleased with it, as to receive his purchase neatly enclosed in a trim attractive package. This is one of the fundamental laws of selling.

This law is particularly applicable in the poultry business. No matter how high in quality a consignment of eggs or baby chicks may be, if it reaches the customer in a dirty, battered or unattractive package, he will instinctively feel that his purchase has not come up to his expectations. This unfavorable first impression is not the end, however. Those eggs and chicks will have to be really much better than had been expected in the first place, to overcome the prejudice caused by receiving them in so sorry a condition.

A strict adherence to this principle of the perfect package has made the fortune of many a man whose product was no better than that of a hundred other men in the same line, but who made his article so well and so favorably known because of its satisfactory container that its demand distanced that of all its competitors.

A box that fills every requirement of absolute safety, attractiveness, convenience and cheapness for the shipment of table and hatching eggs and day old chicks, and that has become widely popular among the largest poultry shippers in the country, is the Wright Box, manufactured by the Ty-wacana Manufacturing Company, Farmingdale, Long Island.

An interesting book on the Wright Boxes, full of valuable shipping information for poultrymen, can be had by writing the Ty-

wacana Manufacturing Company, Farmingdale, L. I., N. Y., and asking for their book on the Wright Box. Don't wait—write today.

### BOTHER OF FILLING THE LAMP ELIMINATED.

When folks start out to raise chickens they figure every cent closely—they watch expenses carefully in order to figure out the profits at the year's end. And so when a farmer or poultryman, or his wife, either, for that matter, decides to buy an incubator they want to know exactly what every detail is going to cost.

And when it comes to counting this cost, we must not forget two of the biggest factors—time and labor. And that is why the X-Ray Incubator is so popular—it saves so much of both; for one filling is enough for the whole hatch. Anybody who has a working incubator on his mind, realizes what a relief it is. No anxiety—no danger from forgetting.

And think of the cleanliness! The large oil tank holds one to two gallons and this does the work to a minute! In addition to this point of economy there is safety gained. The automatic trip is one of the patented features of the X-Ray and it so manages the burner that when there is any excess of heat, the flame is instantly cut down, and the required temperature restored. This keeps the eggs exactly as if an old hen were covering them, and it doesn't waste one drop of oil. Besides every good chicken-raiser knows that too much heat is as bad as too little, and this danger is never to be feared with the new patent. And we must not forget the

economy—four to six dollars a year saved on oil!

One thing which attracts the attention of everybody in connection with this machine is that no matter whether the user is a poultry fancier, a regular dealer in chickens, a farmer on a large scale or the man on a small suburban lot, who sells eggs "on the side"—they are all agreed as to the wonder-workings of the X-Ray Incubator.

The manufacturer lives at Wayne, Nebraska, and will be glad to send letters, catalogs, etc., to back up what these folks all say. Anybody who is interested can write—it's only a postal anyhow, and an incubator is a mighty important feature of life in the chicken lot. Investigation is well worth while.

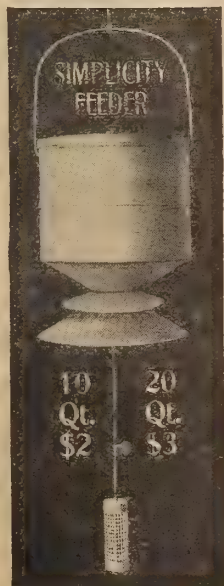
### THE CORNISH FOWL AT CHICAGO.

Through an oversight no mention was made of the grand exhibit of Cornish fowls at the Chicago show in our report of this show in our January issue. This is to be regretted for exhibit of this variety of fowls at Chicago was certainly worthy of special mention, as it was no doubt the largest and best display of Cornish that will be gotten together this season, as this was the Cornish Club show, and the members of the club entered their best birds to compete for the club specials and other prizes, and entries were made from all sections of the country, which is evidence of an increasing interest being taken in this magnificent variety of fowl.

The exhibitors in this class were H. A. Huey, Novi, Mich.; Jas. A. Hale, St. Paul, Minn.; Elmer J. Williams, Ashley, Pa.; Dartmoot Yards, Oconomowoc, Wis.; Dr.

**EGG PRODUCERS—If you want eggs buy Fishel's White Ply. Rocks**

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Try a few of our feeders on thirty days' trial. They will pay for themselves at the end of that time. Your money back if you're not satisfied.

We guarantee that the Simplicity Feeder will positively feed your chickens better and cheaper than you feed them by hand. You fill the hopper once a week.

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IT	SAVES	DECREASES	AND INCREASES
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We don't want you to take our word for it. Try it at our expense. Clip the attached coupon. Read the **IRONCLAD GUARANTEE** thereon. We want to show you how good our feeder really is. It's now up to you. Will you send for a trial order and save enough feed to pay for it in thirty days?

Send for free book, *What and How to Feed*. Contains valuable mixed rations of interest to all poultrymen. It's free for the asking.

**SIMPLEX SUPPLY  
HOUSE**

**PONTIACA BUILDING**

**CHICAGO : ILLINOIS**

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Simplex Supply House, Pontiac Building, Chicago, Ill.

Gentlemen:—Enclosed please find \$.....for which send to address below  
.....size.....qt. **SIMPLICITY FEEDERS**, with the understanding  
(State Number)  
that you will refund my money if they are not satisfactory and I notify you to this effect  
within 30 days after receiving the Feeders.

Name .....Post Office.....

Street or Route.....State.....Express Office.....

PRICES—10-Quart, weight 4 lbs., \$2.00. 20-Quart, weight 5 lbs., \$3.00.  
10 per cent discount in lots of six or more. 15 per cent discount in lots of twelve or more.



H. M. Munn, Hampshire, Ill.; John M. Ward, Jr., Windcrest Pennington, N. J.; Dr. W. A. Law, Catonsville, Md.; Geo. G. Hedrick, Dubuque, Iowa; W. E. Iles, Kempton, Ind.; Thomas H. Hetherington, Monongahela, Pa. The following were prize winners: Hale, 3d cock; Dartmoor Yards, 1st cock, 3d, 5th hens, 5th cockerel, 3d pullet, 3d pen; Ward, 4th cock, 1st cockerel, 2d, 5th pullet; Munn, 1st, 4th hens, 2d 4th cockerels, 1st pullet, 2d pen; Law, 2d cock, 2d hen, 3d cockerel, 4th pullet, 1st pen; Hedrick, 2d cock; Huey, 5th pen; Hetherington, 3d pen.

#### RIDGE EGG FARM.

Mr. K. M. Turner, known in every country as the inventor of the dictograph, and the method of catching criminals that has been used so successfully in the Ohio legislative graft, the McNamara brothers, and the iron workers recently convicted and sentenced to an aggregate of one hundred and one years at Indianapolis, has produced a new one that will be of great value to poultry plants.

Mr. Turner is the owner of the Ridge Egg Farm at West Nyack, New York, where he takes great delight in his flock of prize Campines and Leghorns. While the place is not large, about 23 acres, it is most complete, having gas, water and in fact all city improvements not only in the residence, but in the various poultry houses about the place, and which includes a new exhibition and wash house which promises to be one of the show places for fancy stock in and around New York.

To facilitate the working of his employees he has just connected up all of his buildings on the farm with the Dictograph-Turner telephone system, of which he is the inventor. Sitting in his office on the farm, Mr. Turner or his superintendent, Mr. C. W. Cornell, can keep in touch with every development of the day in other parts of the farm. Through the "loud" speaking attachment of the master dictograph, the cackle of the birds in the different houses

can be heard in the office, by the lowering of a button on the instrument.

By a supplementary attachment the Dictograph-Turner telephone system is made to act as a burglar alarm in addition to providing communications. At night, the turning of a switch makes the system a perfect safeguard, and insures instant warning being transmitted to the home of the superintendent, on any attempt to enter the buildings so connected, either through the window or other opening. This new application of the Dictograph-Turner telephone system by Mr. Turner will be hailed by owners of fine birds as most invaluable, insuring them a measure of protection they have never before enjoyed.

On his farm, Mr. Turner has several thousand selected White Leghorns, among them a number of prize winners of recent Madison Square Garden shows. He is also making a specialty now of the development of Silver Campines from birds especially selected by him in England in 1911.

Mr. Turner believes that there is a great future in this country for the Campines and he is applying himself very earnestly to popularizing them among the bird fanciers on this side of the Atlantic. Through careful breeding Mr. Turner is now producing Campines that are declared by many who have seen them to be superior to the imported birds.

The farm also raises Indian Runner ducks, of which there is a very large and exceptionally fine colony. At the recent show at the Grand Central Palace and Madison Square Garden, Mr. Turner's birds were awarded numerous prizes.

Black Orpington Club catalogue for 1913 now ready! The new catalogue contains some 200 more names than did the last catalogue. Carl J. Carter of Columbus, Ind., is the new secretary and Percy W. Cook the vice president. The members of the club are elated at the showing of the Blacks in the Missouri laying contest in defeating the other varieties of Orpingtons in number of eggs laid as well as

defeating the Leghorns. Those who wish to see a copy of the catalogue may have one by sending a 2-cent stamp to the secretary, Milton W. Brown, Sta. L., Cincinnati, Ohio.

#### PROBLEMS IN BABY CHICK PRODUCTION.

The tremendous growth of the baby chick industry has necessarily brought about many changes and improvements in the methods employed on the plants where the baby chick has come to be a vital factor in the total sales. Special operations have been devised and radical alterations made in those formerly in vogue. A rapid survey of some of the most important of these will be of interest to every poultry keeper.

The Michigan Poultry Farm, located at Lansing, Michigan, has an incubating capacity of 60,000 eggs at a time, and hence may be classed as one of the foremost day old chick plants. Its output runs into the hundreds of thousands, yet for years it has been two-thirds sold months before the chicks were hatched. Knowing so nearly its demand, the farm has been able to work out a definite line of operations that assure greatest certainty of hatching and healthiest chicks. It is a fact that for years old customers have booked orders for nearly every chick hatched, months ahead.

All buildings at Michigan Poultry Farm are of the fresh air type, among them several Tolman houses. The new open front laying house is one of the most modern in equipment in the country. It is built on the plan advocated by Gowell, of Maine, and in it each bird has the run of 2,500 square feet of floor space, instead of the 250 feet usually given the average flock.

This new house accommodates 750 layers and breeders, with the greatest abundance of air, water, fresh feed and exercise. There is a specially built bed of clean white sand that has proved a most profitable addition. Adjoining, are feed rooms and quarters for the attendants. Beneath are found engine

## A WONDERFUL INVENTION IT CAN HELP YOU SEE MARTIN'S AD PAGE 347

# GREAT CHICAGO WIN

## PARMENTER'S S. C. WHITE LEGHORNS

Won 1, 5 hen; 2, 4, 5 ckl.; 2 pullet; 2 pen; 4 cock; special for 3 best ckl. in class. Also sweepstakes, winning most points. We defeated the former Chicago winners, the Parkside Strain, and also won more points than E. W. Grove Jr. Strain. Our high-up winners were all bred by us and the class in this show was larger than ever, in fact the largest and hottest class ever cooped in America. Let me book your egg order now for future delivery. Can furnish you winners for any show. Also a fine lot of breeding cockerels.

**ROBT. D. PARMENTER : BOX A : KNOXVILLE, ILLINOIS**

# THE HENDERSON STRAIN OF BARRED PLYMOUTH ROCKS

**AT CHICAGO DECEMBER 1912**

In competition with the best from the yards of America's foremost breeders I won 1st and 2d cockerels, 2d cock, 2d and 3d pullets, 5th cockerel bred hen, 4th cockerel bred pullet, 3d cockerel mated pen, 3d pullet mated pen, and **GRAND CHAMPION MALE OVER ALL THE BARRED ROCK MALES IN THE SHOW.**

Compare my winnings at this the greatest Barred Rock show ever seen in the Mid-West with those of my competitors and **YOU SET THE SEAL OF CHAMPIONSHIP ON THE HENDERSON STRAIN.** Write me your wants in Barred Rocks. I can furnish anything you desire and guarantee satisfaction. My 1913 mating list describing my 30 breeding pens in both cockerel and pullet lines is now ready for distribution. Write for it.

**W. W. HENDERSON 921 SECURITY BLDG. ST. LOUIS, MISSOURI**  
FARM, BRIDGETON, MISSOURI..



room and workshop. In the former is a  $4\frac{1}{2}$  H. P. Olds engine that supplies power for the various apparatus on the farm and also pumps water through the modern installation, recently installed. In the cellar are also sprouting rooms, for making the winter feeds of sprouted grains.

The largest incubator cellar is 48 by 122 feet. In it are four 15,000 egg Hall Mammoth incubators, making a possible capacity of 60,000 eggs.

Over the incubator cellar is the nursery brooder house, to keep chicks until they go to the range or the colony houses. This brooder is 48 by 122 feet and is equipped with a hot water system, invented by Joseph Tolman.

The superintendent of the Michigan farm is a graduate of the Cornell Poultry College, and is a man of wide experience and ability in his line. Professor Rice's Cornell balanced ration is used for the birds on the farm, a feed that is perhaps the best ever invented for the White Leghorn.

In addition to these superb mechanical equipments, the personal care and attention, the long experience and the rigid culling and selection of every bird, have resulted in the Michigan Poultry Farm eggs, chicks and breeding stock securing a reputation, just and well earned, for sturdy vitality and health. Thousands of customers testify to entire satisfaction on these scores.

The Michigan Poultry Farm will send an attractive booklet, with description and prices, on request. Address Michigan Poultry Farm, Lansing, Michigan.

Miss Henrietta E. Hooker, South Hadley, Mass., breeder of Buff and Blue Orpingtons, exhibited 14 birds at the late Baltimore Show and eleven of these were placed. Among the prizes won was first cock and first pen. Of course, this is not to be wondered at, as her birds are always winners wherever shown. Miss Hooker is the pioneer in Blue Orpingtons, being the first importer. Her Blue Orpington pens are exceptionally fine this season and she is now booking orders for eggs. Send for her illustrated catalogue and mating list, containing

pictures and descriptions of birds. Mention the American Poultry Journal.

### AJAX IMPROVED OXYGEN VITALIZER.

Editor American Poultry Journal:

The above is the heading of a letter that we recently received from Mr. Ira DeLine, of Olympia, Wash.

Mr. DeLine wrote us in the early part of the season of 1912 saying, "My losses from 'dead in the shell chicks' and white diarrhoea have been frightful. If your oxygen vitalizer will put a stop to these losses, it is the greatest thing that has been presented to the poultrymen of this country in twenty years."

We sent him a vitalizer, and in a short time came a most enthusiastic letter telling of the wonderful results that he had secured from the use of the vitalizer.

Recently, Mr. DeLine has taken the liberty of writing us again as follows. His letter is of such a nature, and we feel means so very much to the poultrymen who are engaged in hatching chicks by artificial methods, that we send it to you for publication:

Olympia, Wash., Dec. 27th, 1912.  
Reliable Poultry Specialty Co., Alexander, N. Y.

Gentlemen: In presenting to the poultrymen of this country your Ajax Improved Oxygen Vitalizer, you need make no apologies.

Scientifically it is in line with the most advanced thought on the subject of artificial incubation. Oxygen is of course a powerful germ destroyer; and, as the life giving property in the air we breathe, it must as a matter of fact be beneficial to the little chicks that have been confined in the small egg chamber for twenty-one days, and surrounded as they are for the last three or four days of the hatch with the fumes of a poisonous gas.

The truth of the matter was never so forcibly brought to my attention as when I stood in front of my incubator, and saw

the wonderful effects of the oxygen on the baby chicks as they broke the shell and found themselves surrounded by the oxygen atmosphere. It seemed to act like a tonic. The chicks came stronger, bigger, not a "dead in the shell" in the whole lot, and not a case of white diarrhoea from all the chicks hatched last year from the oxygen attachment.

If any one has the least doubt as to the claims you make for this truly wonderful device, you may refer them to me, and I will be only too glad to verify every claim that you make for your Ajax Oxygen Vitalizer. Yours very truly,

Ira N. DeLine.

Mr. DeLine is one of the prominent poultrymen of the Pacific Coast, and as we believe stands very high with his fellow poultrymen, and all those who know him.

And this, Mr. Editor, is simply in line with hundreds of other letters of like import.

Surely the oxygen treatment as a preventative of the chicks dying in the shell, and of white diarrhoea, seems to be coming better understood. As the Journal's many readers will no doubt be glad to see what those who have used the Vitalizer think of its actual merits, we trust that you will have the kindness to print the letter of Mr. DeLine in your valued columns. Reliable Poultry Specialty Co., Alexander, N. Y.

One of the surprises at the late Madison Square Garden show was the exhibit of Rose Comb White Orpingtons, both in quantity and quality. This variety of Orpington is certainly coming into popular favor very rapidly, as is shown in the large numbers that are now being exhibited. The Lawrence Jackson Farm, of Haysville, Pa., had a number of very fine birds at Madison Square Garden and won as follows: 1st and 3d cock, 1st and 4th cockerel, 1st and 3d pullet, 2d and 3d hen, 2d and 3d pen, club special white cockerel, club special best display, twelve ribbons in all.

OCULUM increases egg yield 20 per cent; a free trial; ad page 280.

## PERKINS' PARTRIDGE PLYMOUTH ROCKS

EGGS FOR HATCHING—WOMEN MANUFACTURE THE TRADE—7 pens \$40, 35 pens \$30, 5 pens \$10, 1 pen \$5; range back, 10 per setting.

Beautiful mating list, containing colored insert of pair of fowls free.

F. N. PERKINS

22 HARLEM ROAD

FREEPORT ILLINOIS

## Brinkley's White Plymouth Rocks

Make a sensational winning at the Great Armory Show, Louisville, 1912, winning 1st cock, 1st and 2nd hens, 1st cockerel, 1st and 2nd pullets, 1st pen, \$75 silver cup for best display of White Plymouth Rocks, also silver cup for greatest number of points by one exhibitor. This in addition to our winnings at Nashville, Memphis, Tupelo, Birmingham, Augusta, Columbus, Little Rock, Jackson and New Orleans concedes our claim of

### BEST IN THE SOUTH

Still more convincing of our claim of the Best in the South is their grand size, wonderful type, exquisite whiteness, great stamina and vigor and last, but not least, their great egg laying qualities. Grand breeding cockerels and pullets that will please you, at prices that are within reach of all. Ten grand breeding pens now mated, \$5.00 per 15 eggs. Special matings, \$10.00 and \$15.00 per 15 eggs. Utility eggs, \$10.00 per 100. Utility cockerels, \$3.00 and \$5.00 each. Utility pullets, \$2.00 and \$3.50 each. Send stamp for mating list.

W. J. BRINKLEY]

IUKA, MISSISSIPPI

## KAUP QUALITY BUFF ORPINGTONS



Won seventy prizes last season and so far this season at CHICAGO, INDIANAPOLIS, KNOXVILLE, SPRINGFIELD and BIRMINGHAM, etc., at National and Branch Meetings of the Buff Orpington Club—the hottest shows possible for Buff Orpington Competition.

At the Central Branch meet of the Buff Orpington Club in Springfield, Ill., last month which was, according to the officiating judges and other high authorities present, the highest class show ever caged and equal to the Madison Square Show, I captured the banner prize—

### First Prize and Silver Cup for Best Pen in a Class of Fourteen Pens

When you consider that I had the best collection of five birds out of seventy in a Branch meet of the Buff Orpington Club, which is the hot bed for the best Buff Orpingtons in the country, you will appreciate what this win means in a national show such as the past Springfield, Ill. show was. My other winnings at this show being third cock, third hen, and fourth pullet. The judge stating my cock was the best one there but lost a better place account of not being through moulting.

### 1913 Catalogue and Mating List Out February 1st

Will be as last year the finest Buff Orpington mating list published in keeping with the quality of the birds it strives to describe. Will be out Feb. 1st and will describe 20 of the finest special mated yards—all BUFF ORPINGTONS.

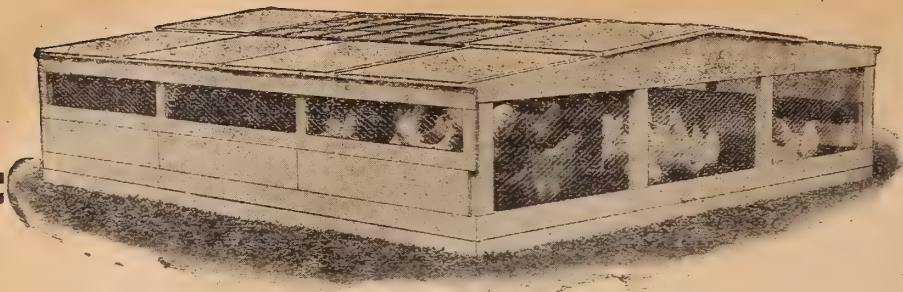
I WANT EVERY INTERESTED PERSON TO HAVE A COPY, as it contains many new, exclusive and valuable features which you should not overlook taking advantage of. Cost me \$500 to get out, but I will send you a copy—FREE. WRITE FOR YOUR COPY—NOW.

### STOCK, EGGS AND BABY CHICKS FOR SALE NOW

EXPRESS PREPAID ANYWHERE on eggs, chicks and exhibition birds. I still have 75 cockerels left at \$3 and \$5 each. Some of them sons of the first prize winners at the Madison Square Show a year ago, if you wish, at \$3 each. Others, \$5, \$10 and up. Satisfaction guaranteed or no sale. Address

F. A. Kaup, Buff Orpington Specialist, Member A. P. A. and 10 Other Organizations, Chicago, Illinois. Tel. Belmont 1724





**THE UTILITY COOP.**—These coops are made in two sizes: 6x12 and 12x12 feet. They have many advantages over the higher poultry houses, being warmer in winter and cooler in summer. This is accomplished by the scientific plan of ventilation. These coops are used for farm poultry at Elmira and also at Florida poultry farm. Prices: 12x12, \$40.00 complete. 6x12, \$25.00 complete.

# The New Poultry Farm

## For One Hundred Thousand Laying Hens

A Southern poultry paper editor—who didn't have faith enough in the poultry business to keep chickens—once said, "If Philo can make so much money on the corner of a city lot keeping poultry by his System, why doesn't he buy an acre of land and make more money?"

That was good advice and is just what he has been doing. He has nearly a thousand acres of land in and near the city of Elmira, but only one acre of this land is devoted to poultry, yet the sales from this acre gave him a business of over \$25,000.00 last year.

Extensive plans are being made to extend the Elmira plant, which may result in covering a large part of the thousand acres with poultry. This, however, is only a small part of the whole story. His poultry business, by his own system, has been so very successful that he is extending the business into the state of Florida, where he has purchased thousands of acres of the very best land and has already commenced developing and building a poultry farm to accommodate 100,000 laying hens.

A complete saw-mill and planing-mill is now on the land, with the flying saw-dust and shavings to mark the beginning of the largest poultry farm in the world.

This great farm is located near Jupiter, Palm Beach Co., Florida, where the finest oranges and grape-fruit are grown.

Send postal for more particulars about the big farm in Florida.

## CYCLE HATCHER CO.

311 NORTH  
AVENUE

ELMIRA, NEW YORK



**THE ADJUSTABLE COOP.**—This style of coop is used at Elmira for pedigreed breeding stock. This is the ideal coop for city lot poultry-keepers. Price complete, \$12.00.



## CORNING PULLETS and BREEDING COCKERELS

The finest we have ever produced. A limited number for sale. Write for free illustrated booklet and prices. The Corning Egg Farm, Bound Brook, N. J.

# EGGS

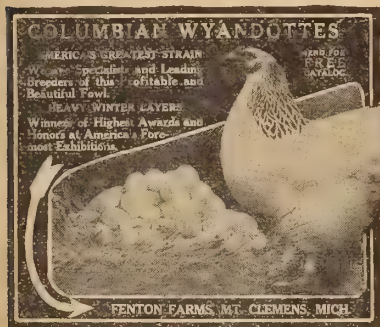
From my Madison Square Garden, Philadelphia, Pittsburg winners, \$10 to \$3 per 15. Illustrated catalogue free.

**ELLIS S. SHELLY**  
Box 2436, Williamsburg, Pa

## LATEST BOOK

"Profitable Poultry." Finest published, 128 pages practical facts, 180 beautiful pictures. Tells how to breed, hatch, feed and market by latest improved methods. All about world's famous Runner Ducks and 52 other pure-bred varieties. This 50-cent book and lowest price list of best fowls, eggs, incubators, supplies, etc., only 5 cents.

Berry's Poultry Farm, Box 115, Clarinda, Iowa



## We Pay Express on EGGS!

Anywhere, to quickly introduce Thoroughbred 4 great laying strains, N. Y. State Prize Winners, Largest breeders 250 egg Blackbird Anconas in New York, both combs. 240 egg large Capon R. I. Reds, both combs, greatest winter layers. Genuine R. I. Ducks imported blood direct from India, 230 white eggs year never set, no roup, no water required, no lice, outlay most hens, be progressive. Send postal for particulars about feeding, plans for poultry houses and Roup Cure free, 6,000 egg Mamouth Incubator. Address

Silverton Poultry & Duck Farm  
East Syracuse, New York

Members Ancona Club of America, R. I. Red Club and Indian Runner Duck Club  
Also eggs and baby chicks Kellerstrass.  
Crystal White Orpingtons at low prices.

## SHOEMAKER'S POULTRY BOOK



### AND ALMANAC.

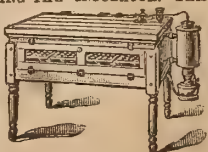
There is nothing in the world like it. It contains over 200 large pages, with many fine illustrations. A number of BEAUTIFUL COLORED PLATES OF FOWLS—showing them in their natural color. Tells all about all kinds of thoroughbred chickens, with life-like illustrations. Prices of eggs

for hatching and fowls for breeding purposes. TELLS HOW TO RAISE POULTRY SUCCESSFULLY, their care and management and how to treat all diseases common among them. Gives illustrations and descriptions of convenient poultry houses, and plans to build them.

### ALL ABOUT "GLOBE"

## INCUBATORS & BROODERS

with fine illustrations, complete description, and lowest prices. ALL ABOUT OPERATING THE INCUBATOR. This chapter is marvelously complete, and worth much more than the price we ask for the whole book. This Poultry Book is worth dollars to anyone interested in the raising of fowls. IT IS AN ENCYCLOPEDIA OF CHICK-EN-DO, and no one can well afford to be without it. Will be mailed to anyone upon receipt of only 15c. Money refunded if not pleased.



C. C. SHOEMAKER, Box 605, Freeport, Ill.

## HARRISON'S RECORD.

Mr. F. E. Harrison, of Menominee, Mich., can well be proud of his famous Royal Reds, for his wonderful win at Indianapolis is without doubt the greatest win ever made by any R. I. Red breeder.

At the Chicago show, December, 1912, Royal Reds won 1st, 3d and 4th cock, 2d and 3d hen, 4th cockerel; 1st, 2d and 3d pullet; 1st and 2d old pen and 1st young pen. Mr. Harrison was so well impressed with 1st and 2d Chicago cockerels that he bought both of these birds from Mr. Ris-ecker and has every first prize winning male from the great Chicago show, December, 1912.

In addition to his winning the prizes above at Chicago, Royal Reds won best display with the total of 87 points, and his winning in every class is a new record at Chicago, for this is the first time that any breeder has ever won in all six classes in one showing at Chicago.

At the Wisconsin State Show, January 11-16, 1912, Royal Reds won 1st, 3d and 5th cock; 1st, 2d, 3d, 4th and 5th pullet; 1st, 2d and 5th cockerel; 1st, 2d, 3d and 5th hen, and 1st, 3d and 5th pen, and gold special for the highest scoring parti-colored pen in the show; gold special for best display and all shape and color specials offered by the R. I. Red Club of America.

At Detroit, January 25-31, Royal Reds won 1st, 2d, 3d, 4th and 5th cockerel; 1st, 2d, 3d and 4th hen; 2d, 3d and 5th pullet, and 1st cock and 1st pen with only one cock and one pen entered.

These two last wins were followed by his victory at Milwaukee, where on a small entry Royal Reds won as follows: 1st, 4th and 5th hen; 1st and 6th cockerel; 1st cock; 1st pen and 1st pullet.

Mr. Harrison claims that this Milwaukee show was one of the strongest Red shows that he had ever attended.

The greatest victory that has ever been made by Royal Reds was won at the Indianapolis National Fanciers' Show just closed, the dates being January 11-17, 1913, where the remarkable record was won as follows: 1st, 2d, 3d, 4th and 5th cock; 1st, 2d, 3d and 4th hen; 1st, 2d, 3d and 5th cockerel; 1st, 2d, 3d, 4th and 5th old pen; 1st, 2d, 3d, 4th and 5th pullet; 1st, 2d and 3d young pen, and the one hundred dollar challenge cup for best display with a total count of 167 points credited to Royal Reds when the combined amount of all competitors was but 11.

Mr. Harrison has been secured to judge seven national shows next year, and is open to engagements for other dates.

The latest catalogue of Royal Reds offers a special inducement for eggs for hatching and is free for the asking, by addressing Mr. F. E. Harrison, Box 30 (by mentioning this paper), Menominee, Mich.

## DUSTON WYANDOTTES WIN AGAIN.

The White Wyandottes bred by Arthur G. Duston, South Framingham, Mass., are famous for the way they win year after year at all the large shows in the country. Mr. Duston does not aim to show his birds himself at more than one or two of the large shows each season, as he does not wish to come into competition with his customers. At the late Albany, N. Y., show, where there were over three hundred White Wyandottes in competition, he made a most remarkable win, considering the large number of birds in the classes. He won 1st, 2d, 5th and 6th cockerels on an entry of four birds; 2d, 3d and 4th cocks on an entry of three birds; 2d and 6th pullets; 2d and 3d hens, both old and young; first display. Also a large number of specials. Send for his catalog if you want stock or eggs that will improve your stock. Mention American Poultry Journal.

A. D. Freese, Mohawk Village, Ohio, the well-known breeders of Crystal White Orpingtons, made a grand winning at the late Coshocton, Ohio, show, where he won 1st cock, 1st, 2d and 3d hen, and birds hatched from eggs supplied by him won 1st pullet, 1st pen, 1st and 2d cockerels. He also won special prize for best exhibit in the show. He has two grand special pens mated for 1913. Pen No. 1 comprises some of the best hens in Ohio, headed by Oliver "A," the big 11½-pound bird, and sire of the above winners. Several of his last year's pullets scored as high as 94½ and one 94½. Pen No. 2 comprises his best hens and pullets, mated to a massive, big-boned cock bird, winner of 1st and special prizes. Mr. Freese has concluded to reduce his prices this year on eggs for hatching as he is in a position to supply an unlimited number. Write him for full particulars and mention American Poultry Journal.

## JOE-PYE Orpingtons



Nell Gwyn, Second Boston Hen, 1912  
First and Shape Special Grand  
Central Palace  
Third Madison Square Garden

## Win Display Special

at the

## 3 GREATEST AMERICAN SHOWS—

Madison Square Garden  
Boston  
Grand Central Palace, N. Y.

### WIN IN DETAIL

Madison Sq., 1912-13: Cock, 1st and 5th, sons of champion hen, 3d and 4th, pen, 1st.

Boston, 1913: Cock, 1st and 2d; sons of champion, shape and color special; hen, 3d; pen, 3d.

Grand Central Palace, Dec. 1912: Cocks, 1st, 2d and 4th; hen, 1st and shape special; cockerel, 3d; pen, 1st; medal for best pen, all varieties. Gold medal best Buff Orpington. Medal best male English class.

Eggs for hatching from pen headed by "Golden Glow," 1st New York and Boston cock, \$20.00 per 15. Other pens, all headed by winners, \$5, \$10 and \$15 per 15 eggs.

Send for free catalog and mating list.

## JOE-PYE ORPINGTON FARM

HARRY STACEY BENTON, Owner  
R. F. D. 5, SO. NORWALK, CONN.



# MISSOURI BRED BARRED ROCKS WIN AT CHICAGO.

The sensation at the great Chicago show was the winning of W. W. Henderson's Barred Rocks. To win in one or two classes with the competition in this show is considered quite an honor, but this year the west came east with a vengeance, and the Missourian went home with a winning that

and Grand Champion male over all Barred Rock males in the show.

The first cockerel and champion male was the best Barred Rock that we have ever had the pleasure of gazing on, and Missouri should feel elated at having a breeder like Judge Henderson within her confines. We have recently visited his farm at Bridgeton, just outside of St. Louis, where we found the grandest lot of Barred Rocks in Amer-



FIRST PRIZE AND GRAND CHAMPION MALE CHICAGO, 1912  
BRED, OWNED AND EXHIBITED BY  
W. W. HENDERSON  
BRIDGETON, MO. ST. LOUIS, COUNTY

is very rarely equaled by an exhibitor at any poultry show. There were 404 Barred Rocks at Chicago from the yards of America's foremost breeders, and when Judge Russell finished his task the Henderson entry had captured the cream of the prizes, to wit, first and second cockerels, second cock, second and third pullets, fifth cockerel bred hen, fourth cockerel bred pullet, third cockerel mated pen, third pullet mated pen

ica. He has fifty acres devoted to Barred Rocks exclusively, and the buildings are of the kind that every poultryman could well pattern after. The winter breeding house is the best and most modern we have seen and accommodates 17 breeding pens. The cockerel house accommodates 190 male birds, each of them in a pen of his own 4x7 feet, which is kept full of birds to be shipped and put in condition for shows. The spring

breeding pens are in a beautiful orchard, and each pen has a half acre of yard with prime apple trees shading the yard in the center. There are 16 of these pens, each with a large, light, well built house and scratching shed. With these conditions and the looks of the birds in these pens it is not to be wondered at that Missouri is producing such fine Barred Rocks. The incubator celler is complete in every detail, with its eight 360-egg incubators, and a fine 150-foot brooder house right off of it, gives the farm ideal facilities for hatching and rearing chicks. This farm is well located, almost on the street car line, and is one of the best equipped poultry farms we have ever had the pleasure of visiting; cleanliness prevails throughout the plant and its owner, Judge Henderson, is one man whom the State of Missouri and the poultry fraternity should be proud of. During the fifteen years that he has been breeding Barred Rocks he has never had a dissatisfied customer. He believes in the policy of refunding the money where there is a complaint and giving everybody a square deal. We would like to have those of our readers who can visit the farm of W. W. Henderson at Bridgeton, Mo., where we are sure you will find one of the best exclusive Barred Rock farms in the country and you will be well repaid for your visit.—John Brinkama.

## A VERY LIBERAL OFFER.

We invite the attention of our readers to the advertisement of the General Purification Co., 625 Pioneer building, Madison, Wis., which will be found on another page of this issue of our paper. This company have originated a new germicide compound which, by laboratory tests and tests in actual farm and poultry yard practice, has destroyed all of the most dangerous kinds of animal bacteria, namely, tuberculosis, cholera, anthrax, and the bacteria which causes roup in poultry.

This wonderful discovery will surely be a boon to mankind, and the manufacturers are so positive of its effectiveness that they are making to the readers of this paper an offer of 10,000 free sample bottles. All they ask is that you give the product a fair trial and report results. Send for your sample at once, as a good germicide is a very useful compound to have in any household. Just address the General Purification Co., 625 Pioneer Building, Madison, Wis., and mention this paper.

Ernest L. Berkholz's Cherry Reds, Willoughby, Ohio, won at Ashtabula, December 12, 1st pen, 2d and 3d cockerels, and 2d display on five entries Reds, largest class in show of 700 birds. Mr. Berkholz has some grand cockerels to offer.—H. H. Courn.

Ira C. Keller, Prospect, Ohio, reports the following winnings at the late New York show: He had six entries in Golden Wyandottes and won 1st and 2d cock, 1st hen, 1st cockerel, 4th pullet and 1st pen. On Silver Wyandottes he won 5th cock and 5th pen.

# UN X L 'ED QUALITY BUFF ORPINGTONS



Best Display; A. P. A. Silver Medal; Color Special; Club Specials; 3 Silver Cups; Special Best Orpington in show (all varieties competing); Medal on Best Cockerel; A. P. A. Diploma; 12 other Specials, 6 firsts and 8 other prizes in two shows, Mineola and Hempstead, L. I., N. Y. At Hempstead Buff Orpingtons were the largest class in the show, and I won three times as many points as any other exhibitor.

## My Buffs Lay as well as Win

I breed for egg production, and I have some amazing records of their egg production. Send for my free illustrated circular giving records and complete information.

## 10 Grand Pens Containing Above Winners

Mated for the egg trade at \$5 to \$15 per 15. Send for it today and book your order early. Liberal guarantee.

I. BROOKS CLARKE : BOX C : NEWARK, NEW JERSEY FORMERLY HEMPSTEAD, LONG ISLAND : N. Y.



**EGGS** YOU CAN'T LOSE IF YOU BUY EGGS OF US—WE GUARANTEE THE FERTILITY **EGGS**  
AND THE QUALITY OF CHICKS HATCHED FROM THEM

# Rhode Island Reds

## ROSE AND SINGLE COMBS

We have bred our Reds to such a point for quality that we feel that we are head and shoulders above other breeders and are going to guarantee the quality of chickens raised from the eggs sold by us. We are going to see that every man that buys eggs of us this year gets his money's worth. We know that we have the grandest matings ever put together in Rhode Island Reds and know that we can guarantee their offspring. We guarantee the offspring from each pen in proportion to the price paid for the eggs. Eggs—\$5, \$10, \$15, \$20 and \$30 per 15, according to the pens they are from. Every pen of Rose Comb headed by a prize winner and nearly all of the Single Comb headed by prize winners, and from stock that is Line Bred. High Class Utility Eggs at \$3 per 15, \$15 per 100 eggs. We do not guarantee the quality of stock from these.

### Chicago, Indianapolis and New York Winners Head Many of the Pens

Besides our winnings we have sold birds that have won from the Atlantic to the Pacific this season, from Canada to the Gulf and in the strongest competition. In placing your order always remember there is one best place to get anything you desire to buy. Send in your order. We will do the rest. At the Indianapolis Show, January 11 to 18, 1913, we showed 5 cocks, winning 1, 2, 3, 4, 5; also 5 cockerels, winning 1, 2, 3, 4, 5. None of these birds were in the Chicago or any other show we have made this season. Where is there another breeder that has enough good birds to show an entirely different lot of birds each time they show. This shows that we raise high-class stock in great numbers. We can mate up some good pens for those that are in need of breeding stock at \$15, \$25, \$35, \$50 and \$75, according to quality. Send us your order; we will mate them up for best results. We have 200 Single Comb cockerels at \$2.50 to \$7.50 each, 20 at \$10. We have 500 Rose Comb cockerels at \$2 to \$7.50 each. 100 at \$10 up.

#### TO WHOM IT MAY CONCERN

This is to certify that we have this day sold to the Buschmann-Pierce Red Farms our entire flock of R. C. Reds, including all our winners and selected breeders, among the winners being 1st cock, 2nd hen and 1st pen at Madison Square Garden, December, 1911, the cock that won 3rd at New York, 1911. Also 1st Nashville and Memphis, 1912, and the 1st Memphis cockerel 1912. This flock is one of the finest in America and, added to their already great flock, will make them unbeatable.

(Signed) OWEN FARMS,

Maurice F. Delano, Mgr.

We have our pens now mated for the egg trade. Book your orders for eggs from the greatest matings ever put together for this breed. OUR BEAUTIFUL CATALOGUE of 64 pages and cover contains many articles on raising and caring for Poultry in large and small flocks. It will also tell you why the Rhode Island Red is the best breed in the World. This catalogue has cost us a great deal to prepare and is too costly to send out promiscuously. We will send this postpaid for 20 cents in cash or stamps. Address all mail to

## BUSCHMANN-PIERCE RED FARMS

W. C. PIERCE, GENERAL MANAGER - - BOX 39 - - CARMEL, INDIANA



## THE PERFECTED INCUBATORS BUILT BY "THE MAN WHO KNOWS."

An incubator is an incubator—but there's a big lot of difference in the results given. The difference lies in the way the incubator is made, and the knowledge of the man who does the building.

This is an age of specialists. You naturally expect a man who knows chickens, who has studied them and their development all his life, to know more about hatching than the man who merely makes incubators to sell. A surgeon wouldn't touch an instrument made by a man who knew nothing about surgery. The instrument maker is a specialist, just as much as the surgeon.

The incubator maker must have a complete knowledge of chickens, their organisms, their habits, their natures, if he is going to make the right incubator for you. That explains the remarkable success of the Ideal incubators and brooders built by J. W. Miller, poultry expert and incubator man, of Rockford, Ill.

A few minutes talk with Mr. Miller would convince any poultry man that here is a man who knows his business. And that business, first, last and always is chicken-raising. For over thirty years, long

gets this advantage in quicker deliveries, better building than ever and better results than ever. Miller has added to the former supremacy of his product.

But this poultry expert wasn't satisfied with merely making an incubator. He has gone farther. He has solved the problem of egg production the year round.

The Ideal grain sprouter is a proved success.

It is a well known fact that hens lay more eggs, and more fertile eggs in the spring and summer than any other season. Mr. Miller, following this fact back to its source, found in the craw of the big egg-producers, more green food than any other. These experiments proved to him that green grains, grass, etc., built up the organism of the pullet or hen, enabled the fowl to perform its full functions and produce all the eggs nature provides for.

This is the big profit-making secret which the Ideal grain sprouter has made clear to every poultryman.

To sum it all. Miller, the poultry expert, has solved the problem of hatching most eggs; he has solved the equally great problem of getting the most eggs to hatch.

It will be worth the time of every man interested in making hens pay, to write the J. W. Miller Company, Box 56, Rockford, Ill., and get Mr. Miller's book, "Poul-

Square Garden show and won 1st cock, 2d pen, 5th hen and 5th pullet. His winning 1st cock at Madison Square Garden is worthy of particular attention, as it takes an exceptionally good bird to win 1st prize in any class at this great show. The bird that won 1st was Perfection 3d and his sire was Perfection and he won 1st at the same show two years ago. His grandsire was the cock that headed the 1st prize collection yard at Madison Square Garden three years ago and his brother, Perfection 2d, won second cock at Madison Square Garden last year. This strain of Perfections are all owned, bred and exhibited by Mr. Clark and their consistent winning at Madison Square Garden shows their quality. For further particulars, address G. A. Clark, Seymour, Ind., and mention the American Poultry Journal.

The Rockandotte Farm, Southboro, Mass., made a most remarkable winning at the late Boston show on their White Plymouth Rocks, winning 1st and 3d cock in a class of 21; 1st hen in a class of 29; 1st, 2d and 3d pullet in a class of 44, and 1st pen in a class of 16. They also won the following specials: \$100 challenge cup for champion male, \$10 for best display, \$10 for best 2 cocks, 2 hens, 2 cockerels, 2 pullets and



A flock of 250 Indian Runner Ducks, on the farm of Henry Pile, Freeport, Ill.

before he ever thought of an incubator, his chief purpose and study have been chickens. Mr. Miller knows his subject from every angle. His life has been given to it.

When he finally decided to make incubators every item of this knowledge was applied to the machine. It wasn't some wood, asbestos and tin thrown together, with a lamp inside.

The Ideal is, to all intents, the nature of the mother-hen transferred to an incubator. And all the losses, all the troubles of the old-time methods are removed.

Your correspondent saw the results in a visit to the Miller factory at Rockford. Thousands of Ideal incubators and brooders are in use; tens of thousands of letters have been received from enthusiastic poultry men. Without an exception the Ideal has "made good," far beyond the fondest hopes of the user.

In fact, so great has been the success of the Ideal, so enormous has been the demand for this incubator built by "the man who knows," he has been compelled to move to Rockford from his original location, to get necessary facilities. And now he has them.

Now the best of materials, designed and built right, are used to even greater advantage than ever before. The poultryman

try for Profit." It's free, yet points the way to unapproached profits.

Lester Tompkins, Concord, Mass., the well known breeder of Single and Rose Comb Rhode Island Reds, reports the following winnings: At Madison Square Garden, January, 1913, 1st hen, shape special, 2d pullet, 5th pen in single comb, 1st hen shape special, 3d and 4th cock, 2nd and 3d pullet, 4th and 5th cockerel, and 4th pen rose comb and special for best display. At Boston, January, 1913, Single Comb: Won 1st cock and shape special, 3d cock, 3d and 6th hen, 5th cockerel, 1st, 3d, 4th and 6th pullet, 3d and 4th pen, special for the best three cockerels and three pullets, best display, two best pens, R. I. Red Club of America Cup, State Cup; Rose Comb: Won 5th cock, 3d and 4th hen, 2d pullet, special for best colored wing, tail and hackle female, rose and single comb competing, 3d pen, special for best three males and three females and best display in show, R. I. Red Club of America Cup and State Cup.

G. A. Clark, Seymour, Ind., the well-known breeder of Rose Comb Black Minorcas, made an entry at the late Madison

pen, \$10 for champion male, \$10 for champion female, \$5 for 3 best cockerels and 3 best pullets, \$2 for best headed male.

At the late Madison Square Garden show this farm made only a small entry of White Wyandottes and won 4th cock and 2d pen in a class of 18 pens. This farm and stock is too well known to the readers of American Poultry Journal to need any further comment, but will ask our readers to send for their catalogue and mention American Poultry Journal.

Mr. W. F. Uhle, Attica, Ohio, handled the secretaryship of the Attica Poultry Show, January 1 to 4, to the entire satisfaction of the association. Mr. Uhle also exhibited his Single Comb Black Orpingtons, winning 1st pullet, score 94; 2d and 3d hen, score 94 and 93½; and second cockerel, score 93½.—H. H. Coburn.

O. L. King, Rockford, Ill., the well known Barred Plymouth Rock breeder, reports the following winnings at the big Rockford show: 2nd, 3d cocks, 1st, 2d, 4th cockerels, 1st, 2d hens, 1st, 2d, 3d pullets, 1st pen, 1st pen mated for cockerels, 1st pen mated for pullets. This winning made in a very strong class. If you want something good in breeding stock or eggs Mr. King can supply them.

**GOLDEN AND SILVER** At Cleveland, January 20 to 27, 1913, won on Golden—second and third cockerel; second, fourth and fifth pullet; first pen; on Silvers—third pullet; second pen. Will have four Silver and three Golden pens mated for egg trade. First Silver pen headed by winner at Crystal Palace, London, England, in 1912. Write for mating list.

**Gensemer Bros.**

**161 Main Street**

**Creston, Ohio**

# CAMPINES

## WHITE ORPINGTONS

Grand young and old stock fit for any breeding pens and at prices you can afford to pay. They are bred direct from my Chicago winners of the last three years. My pens are now mated and I have two that will interest any breeder in the country. Be sure to get my mating list before you book your hatching eggs. My winning of the big Silver Cup for the best display at Chicago Dec., 1911, besides 1st pullet, 2d cockerel, 3d hen and 5th cock the year before, is ample proof of the quality of my stock.

**Dr. Guy Blencoe, Vice-President American White Orpington Club, Alma Center, Wisconsin**





The Cycle Hatcher Co., the largest organization of its kind in the world, will help you solve your poultry problems—giving you the benefit of years of experience in poultry keeping.

## 50,000 Chicks Hatched in 400 Cycle Hatchers

**50-EGG CAPACITY  
CYCLE HATCHER**

**\$6.00**

WEST CHARLESTON, N. H.,  
May 1, 1912.

E. W. PHILO,  
Elmira, N. Y.

DEAR SIR: Would like to report on my hatch from the Cycle Hatcher of forty-two chicks from forty-three eggs and it has made quite an impression in favor of the Cycle Hatcher in this vicinity. I beg to remain

Yours very truly,  
D. THEO. HOFFMAN.

February 12, 1912.

1521 Dimond Ave.,  
So. PASADENA, CAL.

CYCLE HATCHER CO.,  
Elmira, N. Y.

GENTLEMEN: Will you please send me your free books? I borrowed one of your incubators last fall and hatched 42 strong, healthy chicks out of 42 eggs; that pleased me so well I will dispose of my other machines, and use the Cycle altogether from now on.

MRS. JASPER BRYNRE.

WRAY, COLO.

CYCLE HATCHER CO.,  
Elmira, N. Y.

GENTLEMEN: I have one of your Cycle Hatchers and like it very much. I hatched 45 chickens from 50 eggs. I call that pretty good. I think that these incubator chickens are stronger than those hatched in other incubators, because the eggs are cooled in the natural way and applies the heat to the chicken like the mother hen. I am,

Sincerely yours,  
S. BARR GROVES, JR.

We hatched this number of chickens last year in our own factory, and they were sold for \$14,500, and shipped to nearly every state in the Union. In addition to these, several thousand were hatched for raising in our own yards. We make Cycle machines for our own use and make large profits by using them.

When a manufacturer can make larger profits by using his own goods, it is the very best guarantee that others can make more by using the same goods.

Some machines are made to sell! Ours are made to use and we use them and others who will use them can make large profits just as we do. You can start our way without **having a fortune** to start with. Our business has been built up without any borrowed capital.

Our chickens are hatched right and are strong, that's the reason they grow and are profitable.

While first of all, we are manufacturers of incubators and poultry supplies, our manufacturing is founded upon the years of practical and successful poultry keeping experience of Mr. E. W. Philo, probably the best known practical poultryman of America.

Every article of our manufacture is the result of years of study and experiment—and must prove of actual, practical value, that will make a profitable investment before we will offer it to the buying public.

Our experimental work is done in our own poultry yards—and here we meet almost every kind of poultry problem. We have undoubtedly had many problems similar to yours, and you are offered the benefit of our experience.

Write for a free copy of poultry book and catalogue ---"Poultry Profits." It will show you new possibilities in poultry keeping, for pleasure or profit.

**CYCLE HATCHER CO.**  
**MAIN OFFICE: ELMIRA, NEW YORK**

Or address our nearest branch office:

Chicago, Ill.  
Denver, Colo.  
Oakland, Calif.

Jacksonville, Fla.  
Houston, Tex.  
Atlanta, Ga.

Des Moines, Iowa.  
Lake Preston, S. D.  
Aulander, N. C.

**50-EGG and CHICK  
BROODER-HATCHER**

**\$8.00**

ETNA, KY.,  
Jan. 22, 1912.

CYCLE HATCHER CO.,  
Elmira, N. Y.

GENTLEMEN: I have used your Cycle Hatcher three years. Set it six times one year, and four times the other two years. Once I got forty-two chicks out of forty-nine eggs, twice forty-six chicks out of the same number, but the most of the time I got forty-four and forty-five chickens. I think there is no other incubator that will beat it. Please send me prices of your incubator supplies, and oblige,

Respectfully,  
LILLY HARGIS.

FERNWOOD, OHIO,  
May 7, 1912.

E. W. PHILO,  
Elmira, N. Y.

DEAR SIR: We have had a hatch in the Cycle Hatcher purchased from you a few weeks ago, and had forty-two out of fifty eggs. We thought that a good hatch from farm range chickens. Have it set again, and are watching for results.

Yours truly,  
MRS. BELL S. ELLIOT.

SMYRNA, WASH.,  
Jan. 25, 1912.  
CYCLE HATCHER CO.,  
Elmira, N. Y.

GENTLEMEN: Your brooder Hatcher is a dandy; just completed first hatch, getting a chick from every fertile egg.

Yours truly,  
BURT S. DIMMICK.



## RICE'S SINGLE COMB WHITE

## LEGHORNS

Their past record of first prize winnings at Madison Square Garden and other leading American shows for the past seventeen years must convince you of the fact that they are bred to win, and do it in the strongest competition.

They have also a world-wide reputation as **HEAVY LAYERS** of large white eggs and can and will make money for you.

I have several hundred choice yearling hens and early hatched pullets at reasonable prices, with strong vigorous cockerels to mate with them.

I will select and mate breeding pens both for exhibition and utility purposes which will give you the desired results.

I am better prepared than ever to furnish **EGGS FOR HATCHING** from strong healthy yearlings and two-year-old hens which will produce strong chicks which will live and grow.

Write for list of both exhibition and utility matings and description of same.

**IRVING F. RICE**  
CORTLAND, NEW YORK

Special for Best Male Head at Madison Square Garden January 1910, 84 Males Competing

## THE "WORLD'S BEST"

Rhode Island Red  
SPECIALISTS

Lakeview Poultry Farm, Deerfield, Ill.

We have six pens mated to produce high class stuff. There is not a breeder in the United States that can sell you eggs at our price from six pens of their equal. Send for catalogue, it's free.

LOYD'S PRIZE WINNING  
PARTRIDGE ROKCS

1200 crackerjacks for sale at reasonable prices. Write us your wants.

C. J. LOYD & SON GREENSBURG, INDIANA

## MAWER'S ROSE COMB REDS

I won at Cleveland, January 20 to 25, 1913, 1st cock, 2d and 5th hen, 4th cockerel, 4th pullet, 2d pen. Club ribbons and silver cup for best display in one of the strongest classes ever shown at Cleveland. I have sold my farm at Deshler and moved to Perrysburg, Ohio, and have got to dispose of some of my breeders and winners at prices that will suit the buyer. If you want Reds don't fail to write and let me tell you what I can do for you.

ROBERT MAWER PERRYSBURG, OHIO

## S. C. R. I. REDS

Line bred from the strongest blood lines of prize winning and heavy laying strains to be found. Eggs and baby chicks. Mating list free.

E. E. Monts : R. 41 : Virden, Illinois

HIGH-  
GRADE  
REDS

EVERY BREEDER Sired  
BY A CHAMPION COCK

Baby chicks, eggs, cocks, cockerels cheap  
Send for Red Book.

Red Ranch, South Haven, Michigan

## TOO LATE TO CLASSIFY

ROSE COMB RHODE ISLAND Reds. Stock and eggs. Write for prices. H. C. Broughton, Brodhead, Wis. 2-5

SINGLE COMB WHITE ORPINGTONS—Kellerstrass strain. Stock and eggs. Write for prices. H. C. Broughton, Brodhead, Wis. 2-5

BUFF ROCKS—EGGS FOR hatching from the best birds money could buy of the famous Poley's World's champion strain. Grand pens now mated. Eggs \$3.00 and \$2.00 per fifteen. Mrs. Marge Rose, Liberty, Ind. 2-4

ROSE COMB BROWN LEGHORNS. First prize winners Philadelphia, Bethlehem, etc. America's finest. Both matings, eggs \$2.00 per setting. Order early. A. S. Christman, Trumbauersville, Pa. 2-4

ROSE COMB REDS—Most select flock in Jersey for breeding stamina, and extraordinary winter laying. Built up with blood from most famous Red breeders in America. Healthy, open range, vigorous birds. Hatching eggs from record laying pens; splendid, large, fine colored cockerels, picked from 1,100; grand pullets and breeding stock for sale. Vibert, Weston, N. J. 2

BLANCHARD-WYCKOFF, Single Comb White Leghorn Eggs from choice stock, 75c setting, \$3.00 hundred. W. P. Tunstall, Jr., Quinton, Va. 2-4

FAMOUS HOUDAN eggs, day-old chicks, cockerels; very fine. Catalog with photographs for stamp. R. A. Troth, Orleans, Ind. 2-4

GOLDEN LACED WYANDOTTES—High scoring, good laying stock. Harvey Burdick, Oswego, Kan. 2-3

PET STOCK AND PIGEONS—All leading varieties fancy pigeons, rabbits, and pet stock. Ask for prices on what you want. C. L. Dryden, 860 S. Los Angeles St., Los Angeles, Cal. 2

SILVER PENCILED WYANDOTTES. Laying strain. R. J. Vandervoort, Mazon, Ill. 2-4

WHITE WYANDOTTES—"Pure White" Keelers strain. High scoring cockerels, \$1.50. Eggs \$1.00 setting. Indian Runner ducks. Nick Fleck, Plymouth, Ind. 2-4

S. C. BLACK MINORCAS—Eggs for hatching. Championship matings. List on request. R. K. Shook, Tipton, Ind. 2-4

BEAUTIES—S. C. BUFF Leghorns. John Silvers, Florissant, Mo. 2

60 WHITE ROCK hens, 10 cockerels, reasonable. John Silvers, Florissant, Mo. 2

BABY CHICKS AND DUCKLINGS, 8c up. Free range, pure bred. Safe arrival guaranteed. Custom Hatching. Catalogue. Houck's Hatchery, Tiffin, Ohio. Dept. B. 2

FOR SALE OR EXCHANGE for chickens, one Fox-hound, male; one female Beagle broke on rabbits. Ages 2 yrs. Guy H. Dixon, Racine, Wis. 2

"WHITE ORPINGTON EGGS" \$2.00 per 15; \$10.00 per 100. Special price on larger amounts. Ed. Leclerc, Central City, Iowa. 2-5

WHITE ROCKS, SILVER CAMPINES  
MOTTLED ANCONAS, BLACK LANGSHANS

Are the four varieties bred on the Urban Farms, and their show record is unexcelled. Write for prices and particulars and mention Am. Poultry Journal.

## URBAN FARMS

PARK RIDGE

BUFFALO, N. Y.

## Throw Pearl To Your Hens

Then watch results. There's no better grit—no better egg maker—no better health food for all poultry than

**PEARL GRIT**

It makes shells, makes eggs, makes feathers. It serves a double purpose. Send for prices and our new valuable poultry booklet.

THE OHIO MARBLE CO.,  
10 S. Cleveland St., Piqua, Ohio

## Buff Rocks

OF HIGHEST QUALITY—Eggs from Chicago winners, \$3 per 15. Closing out a few surplus cockerels at \$5 each that are real bargains. Mention American Poultry Journal when writing.

C. E. CLAPP : GROVELAND COURT  
MORGAN PARK, ILL.



### CELEBRATES HIS THIRTY-SIXTH YEAR.

The year 1913 marks George H. Stahl's thirty-sixth year in the incubator business, and the well known Quincy, Ill., manufacturer is celebrating the event by putting out what he says is his crowning achievement.

It was in 1877 that Mr. Stahl—after long experimenting and patient operation—

sior is the best machine I have ever built, and I am glad to be able to present it to the people in this my thirty-sixth year in the incubator business. I am glad, too, that I can offer this machine at the beginning of what I believe is going to be the greatest year in incubator history. Conditions are right, at this time, for the owner of an incubator, and I am sure the man or woman who operates an Excelsior in 1913 will make a very fine profit."

Mr. Stahl will be glad to send his free



FIRST PEN COCKEREL AT NATIONAL SINGLE-COMB WHITE LEGHORN CLUB SHOW, ST. LOUIS, 1912 EUGENE C. SMITH, 317 GALENA BOULEVARD, AURORA, ILLINOIS

Mr. Smith's Booklet for 1913 is one of the handsomest we have ever seen. It will be sent free by addressing him as above.

obtained his first incubator patent. He was, in fact, the incubator pioneer, the man who first made hatching on a large scale a real success.

Since 1877 Mr. Stahl has been given more than fifty patents by the United States Government, and he makes the assertion that practically all incubator manufacture is based upon the ideas exploited in those early patents of his.

Mr. Stahl recently said: "My new Excel-

catalogue, describing incubators, brooders and supplies, to anyone asking for it.

We have been advised by J. S. Brady, Parker's Landing, Pa., the White Orpington specialist, that his breeding pens are all mated up and are virtually the same as they were last year, and his eggs are running 80 per cent fertile. On account of sickness in Mr. Brady's family, he has not been able to make any shows this winter, which has

enabled him to mate up his breeding yards earlier than usual, and his birds go into their breeding yards with all their vitality and strength as they have not been exposed nor worn out by show preparations. Mr. Brady also advises that the only change in his matings from last year will be the 1st and 2nd cockerel in the Pittsburgh show last winter, which Mr. Brady purchased from the display coop of Mr. M. Lindner, of England, in the Madison Square Garden show, and which were kept in reserve last winter, will be used alternately this winter in yard No. 1, with English Lord and White Chester. The two imported birds, which formerly headed this yard, will be used three days in the week, and the young birds four days. The young birds are of very high quality, and were never shown but once, and were pronounced by all the judges in the Pittsburgh show to be two birds possessing more high breeding qualities than any birds seen last year. Since they were shown they have had good care and have developed very deep, heavy breasts, broad backs, deep red eyes, heavy shanks of the right length and, going into their breeding yard with all their vitality, they should prove very valuable sires. Eggs from this yard, \$15 for fifteen. See ad on another page.

### THE KELLERSTRASS FARM.

The Kellerstrass Poultry Farm, Kansas City, Mo., is known from one end of the globe to the other as breeders of the Crystal White Orpingtons. This farm is celebrated for the high quality of stock they produce, and there is no question but what they sell more high priced eggs and stock than any other farm in the country. They do not sell low quality stock at any price. They have mated up an exceptionally fine lot of pens for the egg trade this season and they are now booking orders. They also have some choice males to spare that will improve any flock. Remember this farm does not want your money if they cannot satisfy you in quality. They have built up their reputation by satisfying their customers in every instance, and they can and will satisfy you. Write for their catalogue and mention A. P. J.

Tom Mendenhall, Ridgefarm, Ill., exhibited a few of his S. C. Rhode Island Reds at the late Terre Haute, Ind., show and won 1st pen, 1st and 2d pullet, 2d cockerel and sweepstakes prize and silver cups. He reports demand good for cockerels and prospects good for a heavy egg trade. Write him for what you want.

### SILVER SPANGLED HAMBURG

Quality the best. Prices reasonable.

H. F. ALBERDING, NO. JUDSON, IND

### BUFF & COLUMBIAN WYANDOTTES

Winners at Cleveland and other big shows. Eggs from first pens, \$3; utility pens, \$1.50.

L. J. MORRIS, OBERLIN, OHIO

### "Circlet" Barred Rocks

### "Xcel" S. C. White Leghorns

### "Xcelsior" Partridge Rocks

Send for mating list. I guarantee satisfaction.

Stock all sold. Eggs from \$5.00 per 100 up.

RAILWAY VIEW FRUIT AND POULTRY FARM  
J. H. TONGE -- KANGLEY, ILLINOIS

### TRETHAWAY'S ANTHRACITE STRAIN

### S. C. Black Minorcas

are already winning for his customers at the big Fall Shows. Can furnish you winner now or for winter shows. Every bird sold on approval.

ARTHUR TRETHAWAY  
45 Parrish St., Wilkes Barre, Pa.

### COLEMAN'S BLACK

### Orpingtons



I bred and sold 6 Black Orpingtons in one season that won 5 1st and 4 2d prizes at Madison Square, Boston and Chicago—an unapproached record. My very best prize winning eggs, \$5.00 per 15.

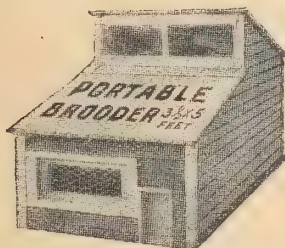
Joe Coleman Orpington Judge Lexington, Ohio

HOLD FOR ORDERS

## Portable Poultry Houses and Brooders

Built on honor and sold on merit. Send for catalogue.

DYER PORTABLE HOUSE & MFG. CO.  
4430 NORTH FORTIETH AVENUE, CHICAGO, ILLINOIS



## Fogg's S. C. White Leghorns

Are bred for exhibition and heavy laying. Get our prices on breeders and young birds. We have the quality that will please you. Our breeders this season are the finest lot we have ever mated. Write us early about baby chicks and eggs for hatching. Our baby chicks are the kind that live, and eggs for hatching will produce that kind. Send for booklet and mating list now.

N. V. Fogg, Box R, Mt. Sterling, Kentucky



**RUPE-CU-RA**

Save Your Chickens and all profits. Don't let this dreaded disease sweep your flock. Rupe-Cu-Ra never fails. 50c package, but—Send today for sample. Try it yourself.

**TROY CHEMICAL CO.**  
Dept. 8 Binghamton, N. Y.

**LARGE SAMPLE for 10c.**

## Don't Feed Green Food

Do away with all the bother, the time and labor of feeding your chickens green sprouted oats, cabbage, beets, roots and all other green food.

## Succulent a Tablets

Save One-Half the Cost

Greatest discovery ever made in the poultry industry. Simply dissolve a tablet in drinking water and forget about green foods. Fowls drink it with relish.

We guarantee satisfactory results or refund money.

By Parcels Post Only 100 large tablets \$ .50  
Direct to You 250 large tablets 1.00  
1000 large tablets 3.00

Remit by money order, cash or check; no stamps accepted. Try them at once, and solve the green food problem forever.

**THE SUCCULENTA CO., Box 405-Q Newark, N. J**

## DE VOSS' COLUMBIAN PLYM. ROCKS

Winners Tri-State Fair, Memphis, Tenn., and at great Boston Show. Exhibition and breeding birds for sale. Have a number of good utility pullets at \$2 each. : **Lee W. DeVoss, Box 1293, Greenfield, Ohio**

## Shield's S. and R. C. Reds

Winners at leading shows wherever shown. Young stock and last season's breeders and exhibition birds at reasonable prices. No better breeding. Write today.

**Chas. Shields : Library Place, North Side : Pittsburg, Pennsylvania**



## S.C. BROWN LEGHORNS

ONLY THE BEST — PRIZE WINNERS

The kind of birds the fancier loves to raise. I won 1st on cockerel, 3d on cock, at the Boston show, 1907; 2d and 5th cockerel, 3d and 5th cock, 3d and 6th hen, Boston, 1908; 1st on cock, 3d on pullet, at Madison Square Garden Show, 1905; 1st on cock, 2d and 3d on cockerel, 1st on pullet, 1st on pen, and 10 special premiums at Chicago show, 1905, winning fifteen prizes on eight birds. At Chicago, December 1909: 1st and 2d cock, 1st and 5th cockerel. First cock, 1st cockerel at the Great Chicago Show, 1910. Chicago, 1911, 1st cockerel, 2d cock. A choice lot of show and breeding stock. Circular showing my winnings free. Write now. Address

**W. H. WIEBKE Box P 348 FORT WAYNE, IND.**



## COLBY S. C. REDS

At Cleveland, January 20 to 27, 1913, I won 2 Cockerel, 1—2 Pen. Only made four entries. One of the hottest classes of Reds ever shown at Cleveland. Will have 8 pens mated for egg trade. Book egg orders early. Eggs, \$3, \$5 and \$10 per 15. Send for mating list.

**E. W. COLBY :- R. F. D. No. 2 :- WILLOUGHBY, OHIO**



## RICH'S ROSE COMB REDS

Again they are the winners at the leading shows of the middle west—the best proof that we are able to keep up with the marvelous progress of this noted breed. **Three Firsts**, in addition to **Silver Cup** and many other prizes were awarded our birds at the great Des Moines show this season. At Cedar Rapids, the classy show next to Chicago, we won **FOUR** out of six firsts. Remember that we have made as great winnings at different large shows repeatedly during the past 5 years and that we raised all These Winners. If you want to win as we have you should place your order with us for Eggs and Baby Chicks

**18 PENS MATED FOR 1913**

By far the best we ever mated. Send today for our Mating List giving prices. If you do not have one of our fine catalogues we will send you one free. Do you want to know how to build Brooders, Colony and Laying Houses with complete plans, how to hatch and raise chicks, how to conquer roup, etc., write for particulars, or send 35c for pamphlet worth many times the price.

**D. W. RICH : 513 Vine Street : MT. PLEASANT, IOWA**

## WEJA FARM S. C. W. LEGHORN WINNERS

**At the Great Cleveland, Ohio, Show,  
January 6 to 11, 1913**

The Cleveland Poultry Breeders' Association. In a very strong class of 150 birds, we won 1st, 2d and 3d cock; 1st, 2d and 3d hen; 3d cockerel; 1st pullet; 1st and 2d pen; silver cup for best display. This together with our 1912 winnings prove beyond a doubt that our LEGHORNS are the best in the middle west. If you are in the market for stock either Exhibition or Utility let us quote you prices, we have over 2,000 birds to select from. We keep no other variety, therefore our whole time and attention is devoted to the betterment of the S. C. White Leghorn, the world's best EGG MACHINE. Having acquired all of the stock of D. D. Whitaker, Ashtabula, Ohio, also all the stock of Harmon Bradshaw, Lebanon, Indiana, as well as the stock of P. J. Thompson, Youngstown, Ohio; also the services of both Messrs. Whitaker and Bradshaw, we are prepared and have the STOCK to deliver the GOODS.

130 acres devoted EXCLUSIVELY to S. C. WHITE LEGHORNS. Exhibition Matings, \$5.00 to \$15.00 for 15 EGGS. Utility Matings: \$2.00, 15 EGGS; \$3.00, 30 EGGS; \$8.00, 100 EGGS. Baby Chicks, 15 cents and up. Mating list now ready. Send for free copy.

**W. W. DARLEY, PROP.**

**D. D. WHITAKER AND HARMON BRADSHAW  
SUPERINTENDENTS**

**NORTHFIELD, OHIO**



## THE NEW FERRIS LEGHORN CATALOG.

We have just received the new 132 page catalog of Ferris Improved White Leghorns, and it is the finest catalog that has ever been published by any White Leghorn breeder.

Not only does it describe the famous Ferris Improved White Leghorns, but it contains more information of great value to every breeder of Leghorns than many books that are sold at good prices. The methods of feeding, of breeding, and of housing that are responsible for the remarkable quality of Ferris Leghorns, are described in detail and will help many breeders to greater success. A new style of poultry house has been developed by Mr. Ferris that is sure to be widely used in the northern states, for it is the most suc-

cessful house for winter egg production that has ever been devised, and the catalog describes it fully.

The illustrations deserve mention also and show the modern character of the farm and the splendid quality of the stock. The quality of eggs, chicks and stock, and the generous guarantee given every purchaser, are explained in detail, as are the methods that have been followed in building, laying and exhibition qualities.

Mr. Ferris is in position to furnish winners for the largest shows, for his stock is right up to the standard in every particular. What is still more important, all his breeders are trapped, and have been for 12 years, so that Ferris Leghorns are unequalled egg producers. Special attention has been given to producing winter layers.

This catalog has cost several thousand dollars, and the information it contains makes it a bargain at a dollar a copy, but

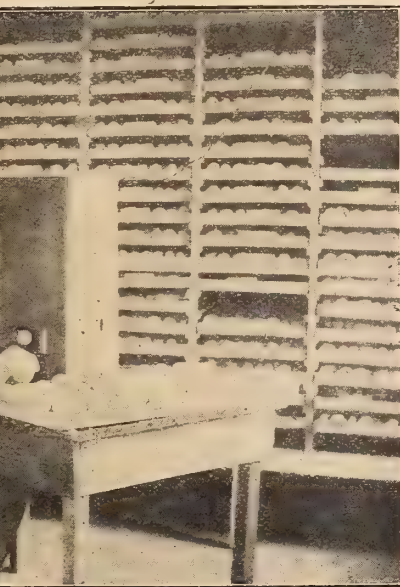
championship Red male of the show, both combs competing. They also won \$25.00 silver cup offered by the Rhode Island Red Club of America for best display of Rose Combs. This winning at the annual club meeting of the Rhode Island Red Club under Lester Tompkins, judge, places their strain among the foremost breeders of Rose Combs in the country.

S. E. Hall, Route 34, Laomi, Ill., informs us that he will sell a few White and Fawn Indian Runner ducks and that the price of eggs will be \$5.00 per setting. Write Mr. Hall for prices on stock; you will find him reliable in his dealings.

J. L. Bales, Springfield, Ill., won four firsts and three seconds in the recent Illinois State Show on Rose Comb Black Minorcas. When in need of stock or eggs send to Mr. Bales for prices; he is reliable.

Address George B. Ferris, 905 Union avenue, Grand Rapids, Mich.

At the great poultry exposition of Pittsburgh, Jan. 13 to 18, 1913, the Rhode Island Reds ranked second in numbers, there being 344 Reds in the class. Simmons & Crittenden, Geneva, Ohio, made a great win on their Rose Comb Red as follows: 1st, 3d and 5th cock, 1st cockerel, 2d, 3d and 4th hen and 5th pullet. Their 1st cock was one of the best Reds seen this year. He won both shape and color specials, and



Testing Eggs in the Great Hatching Plant of the Co-operative Breeding and Hatching Co., Tiro, Ohio.

cessful house for winter egg production that has ever been devised, and the catalog describes it fully.

The illustrations deserve mention also and show the modern character of the farm and the splendid quality of the stock. The quality of eggs, chicks and stock, and the generous guarantee given every purchaser, are explained in detail, as are the methods that have been followed in building, laying and exhibition qualities.

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## WHITE WYANDOTTES

Winners and Breeders. Grand lot of young stock sired by my champion male. I have the quality you are looking for and my birds are free range vigorous farm raised birds. Can supply winners or breeders; prices very reasonable.

Harry Cass, Buffalo Hart, Illinois

## Whatglen Magnificent Black Minorcas

The World's Largest Minorca Farm. Eggs, \$3 and \$5 per setting. 50 cockerels for sale, \$5 each. We aim to please, and always do.

Whatglen Farm : Frank McGrann, Proprietor : Box A, Lancaster, Pennsylvania

## WHITE PLYMOUTH ROCKS

WINNERS AT GUELPH, ONTARIO, DECEMBER, 1912

Canada's Greatest Show is the "Ontario" held at Guelph. My birds have won there for years and their best record was made this season by taking all first prizes but one and about all specials. Size and vigor are a feature of this line that have been bred and exhibited by me for many years. Special prizes now for choice breeding or the highest class of exhibition stock. Let me know your wants and send for my circulars. Eggs for hatching. Satisfaction assured.

J. L. BROWN : BOX A : SEAFORTH, ONTARIO

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Established 1875. Round and most sanitary of all incubators, easy to run, always true. Making no fires, but extra fine chicks. The older it is, the better it works, SURE! If you cannot afford to buy meat, raise poultry. Mention A. P. J. when writing.

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735 and 737 E. 45th Street Chicago, Ill.

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25 PAT. APPLIED FOR

Aluminum only; two sizes; adjustable to fit any fowl. Held by double lock. Can't lose off. Postpaid 12-15c; 25-20c; 50-35c; 100-60c. Initials 10c per 100 extra. 50 or less 5c. Also Pigeon Bands.



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Orpingtons; Single, and Rose Comb, White, Buff, Black and Single Comb White Leghorns. Orpington eggs, \$3. per 15; \$12. per 100. Chicks \$25. per 100.

J. S. HAUPT'S FARM - BOX 96 - EASTON, PA.

## Day Olds

White Indian Runner ducklings, 50c each Single Comb White Leghorn chicks, 15c each Fancy hatching eggs, half above prices. Safe arrival and fertility guaranteed.

Our White Runners are pure line bred, and most prolific layers known. We have four generations in our yards and know what they produce. Guaranteed never one feather or egg but white. They have brought home many prizes. Have won first wherever shown. They paid us \$50.00 each last year. It pays to start with good ones.

Our Leghorns have 205 acres of alfalfa and fields interspersed with spring branches and shade to roam over. No male in our breeding yards whose mother has not produced 200 eggs in one year. Incidentally we have a box of blue ribbons they have won. We raised over 95% ducklings hatched and over 90% Leghorn chicks last year. This speaks more than pages as to health and vitality of our flocks. Booklet telling our way to all customers—now for sale. It contains no wonderful secret. But is a simple work-a-day outline that has proven satisfactory with us. Order direct from this ad. Money back without argument if you are not satisfied. Catalog upon request.

JAS. R. SYNDER  
BOX O. FRAZER, MO.

## SINGLE COMB WHITE ORPINGTONS

These birds were raised from premier stock and their fine ancestry shows in their appearance. We bought a larger farm and will use it solely for the purpose of raising fine poultry. Our finest birds are being used for breeding purposes and for that reason we are not represented in this season's shows. However we have some excellent stock ready for immediate sale at low prices. Eggs from ten pens. Prices \$5 up per fifteen.

## WHITE INDIAN RUNNER DUCKS

These birds are now all the rage. Winners at Hagerstown, Md., Wheeling, W. Va., Pittsburgh, Pa., Cleveland, Ohio, etc. It is easy to raise prize winners if you start with good stock. You can duplicate our success. Write for prices on birds. They are so low we don't like to publish them. Eggs \$5.00 up per twelve. Stock shipped on approval. Satisfaction guaranteed or money refunded. Write for mating list.

WALNUT HILL FARM  
WASHINGTON : PENNSYLVANIA



# WALDEN'S BARRED ROCKS

Philadelphia, New York and Baltimore winners. I can please you with quality and price. Quality is my aim, with satisfaction assured. Choice breeding stock at right prices. If you want quality that will improve your flock I can supply it. Write me your wants.

R. J. WALDEN :-: Box A :-: MIDDLEBURG, MD.

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THAT WILL

### LIVE, THRIVE, GROW AND WIN FOR YOU

S. C. Rhode Island Reds	S. C. White Orpingtons	Barred Plymouth Rocks
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Chicks from 10 cts. up. Shipments guaranteed to reach destination safely. All dead chicks replaced. Book your order now. Our equipment includes the highest priced machines on the market and, backed by our twenty years' experience in hatching and breeding, enables us to furnish you chicks that are well hatched, vigorous, strong and healthy. Hundreds of satisfied customers. Poorly hatched chicks prove expensive items even though they are given to you. Start right by sending for our chicklet catalogue today.

### Our Show Record Includes Chicago, New York and Indianapolis Winnings

Many first prizes have been won by our birds at these National Shows in the past. Our breeders are placed in condition for producing strong, healthy, fertile eggs by December 1, consequently for the present we will not exhibit, but can furnish Baby Chicks from our best exhibition matings that will grow into winners for you. Our Utility Chicks are well hatched, and we can quote you extremely low prices on them. Be sure and get our catalogue.

GOSHEN POULTRY FARMS :-: W. H. SCHADT, Mgr. :-: GOSHEN, INDIANA  
ROUTE 7

# SAVE THE BABIES

Reduce your loss of little Chicks by feeding them with a

## Simplicity Baby Chick Feeder

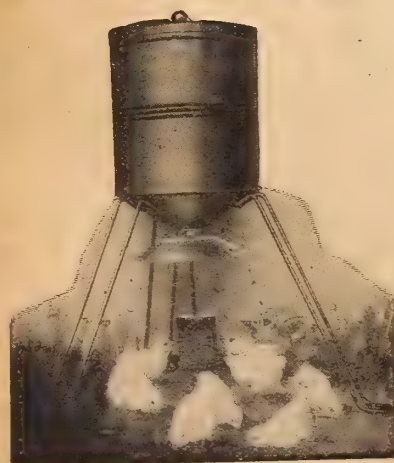
The greatest little contrivance yet invented to take the place of the Cluck in finding food for the little ones; and what's more, they don't have to wait until the hen is successful in finding something for them, neither must they wait for the man with the feed, get weak and lose vitality owing to proper food at the proper time.

## The Simplicity Baby Chick Feeder

is always on the job. It works like a charm, feeds the chicks nice, fresh, clean feed whenever they want it and just enough at a time with just enough exercise to keep them in good condition. Try one now and get more when your chicks start to hatch.

Price \$1.00 each. \$5.00 for a half dozen

Simplex Supply House : Pontiac Bldg. : Chicago, Ill.





## SEND YOUR EGGS BY PARCEL POST

THE TUBULAR EGG CASE (patent applied for) meets the Government Parcel Post Regulation. Is LIGHT and COMPACT. Agents wanted everywhere. Big money to live representatives. Made in sizes 1 to 5 dozen. Special prices in quantities. Small orders, 15 for \$1.50; 8 for \$1.00. Send 25c for sample.

Write to Dept. 9

TUBULAR EGG CASE CO.

Long Bldg., Kansas City, Mo.

## ARE YOU GETTING AHEAD?

There is no reason why you should go to the dogs in the poultry business, if you start with the right breed and the right strain. The S. C. White Orpington is conceded the best breed in the world, and there is no better strain than the ALTAMONT Strain.

We win at all the leading shows, and have never failed in an egg laying contest.

We are getting orders for Stocken eggs from all parts of the country and Canada. Write for catalogue, with show record. Prices cut one-third. We breed White Orpingtons exclusively.

**ALTAMONT POULTRY FARM**  
R. R. 5, COLFAX, IOWA



First Madison Square Cockerel

## Royal Blue Orpingtons

1st Madison Square cockerel, Crystal Palace winners. Barred Rocks in the past four years, my males have taken first prizes at New York, Boston, Baltimore, Buffalo, Philadelphia, Guelph, Ottawa, Canada and other shows, and have three times repeated first prizes at some of above shows.

Haldie Nicholson :: Leominster, Massachusetts

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## NEAT--HANDY--SAFE--DURABLE

Just set on the floor anywhere, light the lamp and in 20 minutes you have as good a chick Mother as money can buy. Pick it up and carry any place with lamp burning. **HEATER:** Our Duplex or Double Drum hot air Heater will produce 15 per cent more heat from the same amount of oil than any single drum Heater used in others. The Des Moines Seed Co., Des Moines, Iowa wrote us that the Ideal heat up the best of any Hover they had ever experimented with. **LAMP:** Our lamp will never cause trouble by smoking. Oil cannot become overheated as oil fount is on outside of Lampbox feeding oil to wick just as needed and just enough to keep it covered all the time. Lamp flame always in plain view. Lamp removed or pushed in place with one hand. The Ideal is 24 inches in Diameter, all metal but Double Curtain, has no Hot Center, and will brood 100 chicks. **GUARANTEE:** We will refund money if not entirely satisfactory. **SPECIAL NOTICE:** On account of Galvanized Iron and other products used in its Mfg., advancing in price, we have put the price to \$6.00 freight paid on two or more East of Rockies; \$7 freight paid on 3 or more west of Rockies. It is still from \$1 to \$2.50 cheaper than others, and the price will never be changed again, unless something extraordinary happens. Upon receipt of \$1 we will ship by Express C. O. D. to be examined. Freight allowed on two or more. Don't buy another Hover until you see our illustrated Circular; we can interest you. Don't fail to mention this paper.

**DUPLEX INCUBATOR CO.,**  
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It's the secret of profitable poultry raising. Plant EGYPTIAN WHEAT, the new grain from India. It's the greatest grain known for chicks or laying hens. Good for other stock; makes good flour. MAKES 100 to 200 BUSHELS PER ACRE; grow enough for a large flock on a small plot. Easily harvested by hand or machinery. Plant Spring or Summer in rows; large yields made by planting from February to July. Get a start of this wonderful new grain. Get more eggs, raise more chicks and get all the profit. I will send large package choice seed (about 5,000 grains) for only 25c postpaid, enough to plant one acre for \$1; five acres for \$3; ten acres for \$5; (all prepaid.)

The Seven Oak Seed-Breeding Farm : Carlton, Tex.

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I breed egg laying prize winners. During February I am making a SPECIAL PRICE on COCKERELS and BREEDING PENS. Remember the prices are GREATLY REDUCED. Will have four GRAND PENS mated for the egg trade. Write your wants. I can please you.

CARL E. ROGERS :: R. D. 2 :: PAINSVILLE, OHIO

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Will tell you much more about my

## S.C. Buff Orpingtons

than an expensive catalogue. Let me write it to you. **Leading layers** among the Orpingtons at the Storrs' Egg-Laying Contest.

O. Wilson, J, Carlisle, W. Va.

**ROBISON'S "QUALITY" BUFF PLYMOUTH ROCKS**

At National Club meeting, 1913, won 1st pen (9 entries), (young) 4th cockerel (53 entries), 2d largest entries and 2d best display S. W. District 241 Buff Rocks in class. Stock for sale. Best yards ever mated here for egg trade. Free mating booklet.

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## FOR \$1

That's how I ship my

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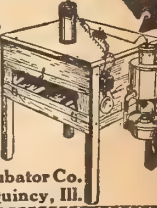
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the greatest feature in any incubator, an exclusive safety device not found in any other machine. It is original with me.

Any one can claim best—I prove Right is, and will ship a 60, 100 or 200 egg size incubator for \$1.00 and let you pay balance after examining same. Send for catalog of my full line of Incubators and Brooders.

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DISINFECTS the Hen House, Brooder and Incubator. CURES Roup, Scaleg Leg, Canker, Cholera. PREVENTS White Diarrhoea

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The most eminent poultry authorities in the world have contributed their stories to this book. An interesting report is made by the Ontario Government poultry expert, Professor Graham, in regard to his successful handling of incubators, and the prevention of white diarrhoea in his hatcheries.

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At dealers 8 oz., 25 cts; Quart, 50 cts; Gal., \$1.50  
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**TAYLOR'S PRIZE WINNING** Partridge Plymouth Rocks. List and eggs now ready. Perkins strain. Joy B. Taylor, Cambridge, Ill. 2

**ASTLE'S QUALITY BUFF ROCKS** are as good as the best. Win at Kankakee 4 firsts, 3 seconds, 2 thirds in large class, also defeating winning Chicago cockerel. Pens contain winners, and Pen 2 is headed by cock sired by Poley's King Solomon. Pen 3 male cut but 2 3/4 on color. Egg orders booked after Feb. 1. Choice stock for sale. Send for circular. Milan C. Astle, Box A, Mokena, Ill. 12-2

**RINGLET BARRED ROCKS** exclusively. Winners at the big Milwaukee poultry show, first, second and pen prize. Choice breeding cockerels and exhibition birds for sale. Eggs, \$3.00 per 15, from best pen. All stock guaranteed as represented; if not, return at my expense. Ed Martin, Route 25, Oconomowoc, Wis. 2-4

**"LARGEST" BARRED ROCKS** in the world. Fifteen years line-bred for weight and exhibition. Hens weigh 10 pounds. Matings contain Rochester, N. Y., first prize cockerel-mating and sons of this male. At Illinois State Fair, 1913, won first prize exhibition cockerel, first prize pullet mating pen, second prize hen, cockerel-bred, on entry of 8 birds. All matings scored 90 to 93 by Schwab, Pierce, Russell, McCord, Holden. Largest exclusive Barred Rock farm in Illinois. Eggs, \$2.00 15, \$5.00 45, \$10.00 100. Luther J. Hall, Kenney, Ill. 11-12-1yr

**COLUMBIAN PLYMOUTH ROCKS** direct from world's best. Eggs from \$1.50 to \$3.00. Harper Mayberry, Dillsburg, Pa. 2-4

**BARRED PLYMOUTH ROCK** cockerels of size and quality for sale. Joe Mitchell, Waucoma, Iowa. 1-3

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**PARTRIDGE PLYMOUTH ROCKS.** None better anywhere. Eggs, 15, \$3.00; 30, \$5.00. P. W. Carpenter, Ypsilanti, Mich. 2-4

**PARK'S STRAIN BARRED ROCKS.** Eggs guaranteed 85%, 15, \$1; 100, \$6. Satisfaction guaranteed. Mackey Farms, Gilboa, N. Y. 2-4

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**WORLD'S BEST STRAIN BUFF ROCKS!** Five splendid matings. Eggs, \$3 per 15. Fertility guaranteed. Mating list free. Frank Kramer, Fort Atkinson, Wis. 2-5

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**BARRED ROCK EGGS**, \$1.50 per 15; \$2.50 per 30. First cockerel Bushnell, score 92 3/4. Edwin Laux, Bushnell, Ill. 2-4

**GOLDEN BUFF, SILVER PENCILED** and Columbian Plymouth Rocks. Champions of America. First prize winners wherever shown, including the great Chicago, Buffalo, Boston, St. Louis, and Joliet shows. I have purchased the entire stock of P. C. Jungels. Write for catalogue and mating list. Miss Cecelia Jungels, Box A, Lemont, Ill. 2-4

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**"RINGLET" BARRED ROCKS**—Exhibition quality. Cockerel and pullet mating. Cocks, hens, cockerels, pullets, \$2.00 to \$5.00 each. Mated breeding pens, 5 birds, \$10.00 to \$16.00. 5 choice utility female and male, \$10.00. Sold on approval. Circulars. John Northon, Clare, Mich. 2

**BARRED ROCKS**, prize winning Cockerel strain. Day-old chicks, breeding stock, hatching eggs for sale. Karl B. Seeds, Circleville, Ohio. 2-4

**WHITE ROCK WINNERS** for sale. Eggs. Send for Folder J. Hoch & Frederick, Chambersburg, Pa. 2-4

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**TRAP-NESTED WHITE ROCKS**—24 pullets laid 527 eggs December. Highest record 277. Yearly records, 180 to 252, \$3. Cockerels, \$5. Pullets, \$3. Hatching eggs, \$2 15, \$3 30, \$5 50, \$8 100. Chicks, 20c. L. M. Fillmore, Box 9, Hubbardston, Mass. 2

**WHITE ROCK EGGS** and Baby Chicks. Direct Fishel blood. 15 eggs, \$3.00; \$5.00 for 50. Will replace every infertile egg. Baby chicks, \$5.00 for 25; \$9.00 for 50. We guarantee safe delivery or replace. Breeding pens, 5 birds, \$15.00. Sold on approval. Everything we sell guaranteed first quality or money back. Orders for \$10.00 up express prepaid. Fairview Training School, Frenchtown, N. J. 2-3

**PARTRIDGE PLYMOUTH ROCK** eggs, \$1.00 for 15. Nofztger strain, extra large beauties. First prize pullet Jacksonville, Ill. Great layers. Order early. Jersey Poultry Yards, Jerseyville, Ill. 2

**VOYLES' IDEAL BARRED ROCKS** win wherever shown, including Kentucky State Fair and first pen Louisville Poultry Show, January, 1912. Eight yards. Cockerel or pullet matings. Prices right. Farm run \$4.00 per 100 eggs. A few choice cockerels left. William R. Voyles, Ramsey, Ind. 2-4

**BARRED PLYMOUTH ROCKS.** Pure bred. E. B. Thompson's Ringlet strain, 26 eggs \$1.00, \$3.50 per 100. Also a few choice Ringlet cockerels at reasonable prices. Ben Custer, Route 9, Madison, Ind. 2-4

**WHITE PLYMOUTH ROCKS.** Thirteen years with this variety. Choice stock for sale. Eggs by the setting, or in 100 or 1,000 lots. J. T. Thompson, Hope, Ind. 2

**THOMPSON RINGLET BARRED** Rock cockerels \$2, pullets \$1; 15 eggs for \$2.00. Leonard Felker, Gardner, Ill. 2-5

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**DUDLEY'S WHITE ROCKS** always win. Catalogue free. 1715F Seventh Street, Des Moines, Iowa. 2-4

**BARRED ROCKS**—Thompson, Hawkins and Bradley strains. Shipped on trial approval or C. O. D. Pullets and cockerels, \$1 each. Mrs. Edith Chelton, Landonville, Md. 1-3

**WHITE AND BARRED** Rock eggs for hatching. Any number. Burket's Poultry Farm, Route 1, Frenchtown, N. J. 2-4

**"FISHEL" WHITE ROCKS.** Bred from prize winners. Trapnested stock. Great layers. Eggs \$1.50 per 15. Roselawn Poultry Yards, South Bend, Ind. 2-4

**BUFF ROCKS**—POLEY'S STRAIN. Eggs from extra choice yearling breeders, line-bred from first prize winners at Madison Square Garden, \$2.00 per 15, \$6.00 per 50, postage paid. Twelve out of 15 guaranteed fertile, or clear eggs replaced free. Circular free. Party & Perrier, Bonnots Mill, Mo. 2-4

**WHITE ROCK EGGS** at reasonable prices. Write me your wants. Stock for sale. H. W. Hardy, Hampton, Iowa. 2

**BARRED PLYMOUTH ROCKS** of highest quality. Winners at Buffalo, Washington and at number places in Virginia. Stock and eggs for sale. Mating slip free. Charles C. Wine, Mount Sidney, Virginia. 2-4

**COLUMBIAN PLYMOUTH ROCKS.** Eggs from seven pens of lusty birds backed by an enviable show record. Illustrated circular. G. W. Garlock, Fort Atkinson, Wis. 2-4

**SOUTHLAND'S CHAMPION** White Plymouth Rocks. Winners of all specials and more firsts and seconds than all competitors combined at Atlanta, Ga., Little Rock, Ark., Memphis, Tenn., etc. Guarantee to please you. Martin F. Schultes, Box 542, Bartlett, Tenn. 2-4

**TWENTY "FISHEL" WHITE ROCK** cockerels, \$2.00 and \$3.00 each this month. Plummer McCullough, Mercer, Pa. 2

**HATCHING EGGS.** Beautiful White Rocks (Fishel), heavy bone, fancy and utility. Mating list now ready. T. F. Richardson, Evanston, Ill. 2-3

**PARTRIDGE ROCKS** of the best strains. Eggs from my prize winners. \$3 per 15, \$5 per 30. You cannot buy better for twice the money. C. A. Short, Alpena, Mich. 2-4

**BIG, LUSTY, LARGE BONED, BREEDING** Thompson Barred cockerels. Bred for size and layers. \$2 each. Mrs. James Whitesides, Memphis, Ind. 2

**RINGLET BARRED ROCK** eggs from large, fully developed and nicely barred stock. Setting, \$2.00, 50 \$4.00. Walter Irven, Brookville, Ill. 2-4

**HIGH CLASS WHITE ROCKS.** Fishel strain direct. Wonderful layers, 15 eggs \$1.00, 50 \$3.00, 100 \$5.00, 200 \$10. Strictly fresh laid. Henry Heitkamp, New Bremen, Ohio. 2-4

**KEYSTONE FISHEL WHITE ROCKS**, the layers with a record. Hatching eggs at reasonable prices. Charles A. Clark, Shippensburg, Pa. 2-4

**EGGS FOR HATCHING.** "Barred Rock Thompson Ringlets" direct cockerel or pullet matings, \$2.00 for 15 eggs. Fertility guaranteed. Thomas Dugan, Indiana, Pa. 2-4

**HAWKIN'S BARRED ROCKS**, New York, Boston, winners; Pittsfield famous utility Barred Rocks; Fishel's White Rocks; Poley's Buff Rocks; bred for early maturity, egg-production, exhibition qualities; all stock trapnested. Eggs, \$2.50, \$1.50 per 15. Circular free. Rock Poultry Farm, Denton, Mich. 2-4

**PARTRIDGE ROCKS (NOFTZGER STRAIN)** cockerels for sale. Eggs in season. Prices reasonable. J. S. Yoder, R. R. 9, Goschen, Ind. 2-4

**RINGLET BARRED ROCKS.** Prize winners. Eggs for hatching. Fertility guaranteed. Send for mating list. Quaintance Poultry Plant, Route 1, Upper Sandusky, Ohio. 2-4

**"GOLD LEAF" BUFF ROCKS.** Young stock for sale. Fifteen eggs \$2. John Field, South Trenchard St., Yonkers, N. Y. 2-4

**BARRED PLYMOUTH ROCK** eggs and day-old chicks. My stock is from the world's finest matings. J. E. Green, Ricknell, Ind. 2-4

**COLUMBIAN ROCKS**, beauties. Eggs, \$2.00 setting delivered. Park Farms, Pulaski, New York. 2-4

**HATHAWAY'S BARRED ROCKS.** Cocks, pullets for sale. George C. Hathaway, Sheldon, Ill. 2-4

**WHITE ROCKS (Fishel strain).** Choice stock, \$2 up. Now booking orders. Eggs and chicks. Free booklet. White View Poultry Yards, Mishawaka, Ind. 2-4

**COLUMBIAN ROCKS.** Large size, good color, first prize and silver cup winners Philadelphia and Camden. Eggs, \$2.00 per 15; \$5.00 per 45. Satisfaction guaranteed. Deptford Poultry Farm, Sewell, N. J. 2-4

**RINGLET BARRED ROCKS.** Farm raised pens headed with birds hatched from eggs direct from E. B. Thompson's. Eggs, \$5 per 100. P. J. Stevens, Depauw, Ind. 2-4



## PLYMOUTH ROCKS.

"RINGLET" BARRED ROCK COCKERELS for sale, \$2 to \$5. Narrow barred, large boned birds. Won 1st and 2nd on cockerel, scored by Heimlich, at 1912 show. Satisfaction guaranteed. Eggs in season. Sadie Sunderland, Jerseyville, Ill. 2

COLUMBIAN ROCKS. Eggs from pens containing my Chicago winners, \$3 per 15, \$5 per 30. W. R. Craun, Butler, Ind. 2-4

EVENTUALLY YOU WILL want the best in White Plymouth Rocks. Why not buy them now? Mine will please you both in quality and price. Write today. E. A. Hayward, Cooksville, Ill. 2

"FISHEL WHITE ROCKS." Eggs, \$2.50 per 12. R. S. Monday, Box 570, Knoxville, Tenn. 2

THOROUGHbred BARRED ROCKS. Standard shape and color. Prize winners, and guaranteed heavy laying strain. Bred from America's best. Choice exhibition or utility stock very reasonable. Settings, \$2.50, parcel post prepaid, anywhere, safely. Kenilworth Yards, Holyoke, Mass. 2-4

CHAMPION COLUMBIAN ROCKS. Bred to win and lay. Eggs prepaid. Prices reasonable. George Clotzbah, Goltry, Okla. 2-4

WHITE PLYMOUTH ROCKS—A few choice pairs and trios. E. J. Kirby, Covert, Mich. 1-3

GOLDEN BARRED ROCKS—The New Beauty and Utility Breed. Plumage, buff barring on white. Circular free. L. E. Altwin, St. Joseph, Mo. 1-3

PARTRIDGE PLYMOUTH ROCKS—Cockerels, \$2.00; trios, \$5.00. Fine large birds. Satisfaction guaranteed. Fred Kypke, Lake Mills, Wis. 1-3

BARRED AND WHITE ROCKS—Standard size and shape. Eggs for hatching \$2.00 per 15, \$10.00 per 100. Satisfaction guaranteed. Susquehanna Poultry Yards, S. S. Shultz, Washington Boro, Pa. 1-3

BUFF ROCKS—Cockerels and pullets at \$2.00 each, sired by Boston First. Order at once. Bennett and Rogers, Brown, W. Va. 12-2

BUFF PLYMOUTH ROCKS—Winners and layers. Great shape, size and color. Cocks, cockerels, hens, pullets, eggs and chicks for sale. Chas. C. Reinehl, North Lawrence, Ohio. 1-3

PARK'S 200-EGG BARRED ROCKS—Pens headed by sons of 217, 235, 242-egg hens. Hens with sworn records, 217, 225, 237, 238, 246, 247 eggs. Eggs for hatching. Circular free. Frederick Matteson, 3808 Woodley Lane, Washington, D. C. 1-3

SNAPPY BARRED ROCK cockerels \$3.00 to \$10.00 each, from New England fair winners. Hatching eggs, \$2.00 setting, \$10.00 hundred. Metcalf Farm, 925 Grove St., Worcester, Mass. 1-3

RICKEY'S FANCY WHITE ROCKS—Always win in largest shows. At Quincy, Ill., recent show: 15 entries—13 ribbons. Fancy show stock for sale. Write me your wants. J. C. Rickey, Box 200, Clarence, Mo. 1-3

SHOCKEY'S BARRED ROCKS—Large, vigorous, and farm raised, excellent style and plumage. Breeding and exhibition birds at reasonable prices. Satisfaction guaranteed or money refunded. Write your wants to Herman Shockey, Sand Patch, Pa. 1-3

CHOICE PARTRIDGE ROCK cockerels, \$2.50 each. Hilltop Farm, Wickliffe, Ohio. 1-2

FOR SALE—PARTRIDGE Rocks of size and quality. Old and young stock. E. L. Brown, Dennison, Ohio. 1-2

CHOICE ARISTOCRAT AND PARKS BARRED and Nottzger Partridge Rock cocks and cockerels at right prices. Chas. Morgan, Loda, Ill. 1-3

KRUPP'S FAMOUS RINGLET'S BARRED Plymouth Rocks will please you. Show stock and good breeding birds for sale. Both matings. Eggs, \$5.00 per 15; \$8.00 per 30. S. R. Krupp, Wadsworth, O. 1-3

BRED-TO-LAY BARRED ROCKS—Excellent cockerels from strong blood lines of bred-to-lay stock. Also a few choice hens at moderate prices. C. A. Newcomb, Celina, Ohio. 12-2

WHITE ROCKS FOR SALE—Cockerels, \$2.00, \$3.00 and \$5.00. Pullets, \$1.50 and \$3.00. C. Ray Morgan, Bristol, West Va. 12-2

COCKEREL BRED BARRED ROCKS—Bradley. Good bone, deep barring. Second to none last year: better this year. \$1, \$2, \$3 and \$5 each. I will please you. J. W. Zufall, Robertson, Iowa. 12-2

PARTRIDGE ROCKS—Choice stock for sale. Prices reasonable. Hez Kinter, Dillsburg, Pa. 12-2

PARTRIDGE ROCKS—Bird Bros. & Hageman's strains. Trios, \$9 to \$15; pens, \$15 to \$18; eggs, \$3 for 15. Satisfaction guaranteed. H. P. Smith, Piqua, O. 11-4

HIGH CLASS WHITE PLYMOUTH ROCKS. Fishel strain, pullets, yearling hens and cocks, for sale. Box 182, George Lehmkuhl, New Bremen, Ohio. 1-2

RIVERDALE—350 PARTRIDGE ROCKS—One hundred from "Pride of Riverdale" that Mr. Hewes pronounced "Best male Rock bird ever produced." R. F. Schuler, Roann, Ind. 1-2

WHITE PLYMOUTH ROCKS (Fishel)—Old bird won sweepstakes at Auburn Poultry, 1912; he was mated with hens scoring up to 95. Their get won first and second cockerels this fall. Will sell you guaranteed winners. Write for prices. W. C. Crothers, Kendallville, Ind. 1-3

"RINGLET" BARRED ROCKS win at the great St. Louis show, 1912. 1st cockerel, 2d pullet, 2d pullet mated pen. 50 choice males and females for sale. Eggs \$3.00 to \$5.00 per 15. Your inquiry cordially invited. E. B. Thompson strain direct. E. A. Webb, Ewing, Ill. 1-3

"RINGLET" BARRED ROCK, direct from Thompson. Extra choice cockerels and pullets. Won second and third cockerels Mo. State Poultry Show, 1912. Write us. Chas. Lamb, Cape Girardeau, Mo. 1-3

WHITE ROCKS—Seventeen years' experience, —quality plus utility. Photo for stamp. Circular. Walter Austin Wagner, Middletown, N. Y. 1-3

BARRED PLYMOUTH ROCKS—E. B. Thompson strain direct. Right in shape and color, both matings. Cockerels, \$3.00 to \$5.00; pullets, \$2.00. Sent on approval. I won 1st and 2nd pullet, 3rd pen at big Madison show, 1912. Questions gladly answered. Mrs. E. A. Oliver, Belleville, Wis. 1-3

CHICAGO WINNERS—Buff Rocks. Two entries: second cockerel; fifth hen. Circular. W. R. Hobbie, Bank Building, Kankakee, Ill. 12-12-11

FISHEL WHITE ROCKS—Few choice cocks and cockerels at a bargain: \$1 to \$5. Eggs in season, \$2.50 per setting. C. L. Hartzell, Dustin, Okla. 12-2

COLUMBIAN PLYMOUTH ROCKS—Grand breeders for sale. Eggs in season. J. Lee Simmons, Adamstown, Md. 12-2

BUFF ROCKS—Young and old stock for sale. Exhibition birds. Special correspondence. Satisfaction guaranteed. Otto Wendt, La Hogue, Ill. 12-2

RINGLET BARRED ROCKS—Large, vigorous, farm range cockerels of high quality at bargain prices. Mrs. J. M. Kemp, Kenney, Ill. 12-2

PARTRIDGE PLYMOUTH ROCKS of quality. Greatest money making fowl today, 15 eggs, \$3.00; 30, \$5.00. You can pay more money, but cannot get more quality. Will L. Clark, Sullivan, Ohio. 2-11

PARTRIDGE ROCKS—Choice and utility cockerels and a few pullets from prize winning stock. Nottzger's strain. Eggs after Feb. 15, 1913 from pens of show birds. Chas. A. Kellogg, Cambridge, Ill. 1-3

## LEGHORNS.

BULLY GOOD WHITE LEGHORNS, a few hundred breeding hens and pullets, \$1.10, \$1.25, \$1.50; cockerels, \$2, \$3. Will stand return expressage on any lot not entirely satisfactory. George Phillips, Wakefield, New York City. 2

TRAP-NESTED S. C. WHITE Leghorns—Lake-wood layers, the big kind. Trap-nested years for size and heavy laying. Raised on free range, and housed in open front houses; no healthier or better layers grown. Eggs—100, \$5; 50, \$3; 15, \$1. Circular free. G. S. Cooke, Huron, Ohio. 2-5

SINGLE COMB WHITE LEGHORNS. We are importing three pens of these famous egg laying birds of Tom Barron direct from England. Wonderful layers. Pen of five birds in contest now at Storrs, Conn., laid two hundred and five eggs in ten weeks, beginning Nov. 1. Will offer limited number of eggs for setting. Have three hundred yearling breeders, Young-Wyckoff strain, for sale. Write for prices. Koontz Poultry Farm, New Martinsville, W. Va. 2

SINGLE COMB BROWN LEGHORNS. I won Chicago, December, 1912, 1st cock, 2nd, 3rd cockerel, 3rd, 5th pullet, champion male. Illinois State January, 1913, 1st, 3rd cock, 2nd, 5th cockerel, 1st, 2nd pullet. Write your wants. William S. Damhorst, Box A, Quincy, Ill. 2-4

BRIGHT'S AND RICKOFF'S strains of S. C. Brown Leghorns exclusively. Pullets, \$1.50 each, in half dozen lots or more. Eggs in season. Mrs. M. Franke, R. F. D. No. 1, Jeffersonville, Ind. 2-3

LEGHORNS. Black, Brown, Single Comb. Booking orders for eggs. Satisfaction guaranteed. A. B. Slick, Naperville, Ill. 2-4

SILVER LEGHORNS A SPECIALTY—10 yrs. a breeder of this beautiful variety. Circular free. Sylvester Shirley, Port Clinton, Ohio. 2-13-1yr

SINGLE COMB WHITE LEGHORN hatching eggs after February 1. \$2 per 15, \$6 per 50. Heavy layers. Pullets since Thanksgiving have averaged better than 60%. Frank B. Finch, Fremont, Ohio. 2-4

IF YOU ARE LOOKING for profit and a square deal, get your hatching eggs from our bred-to-lay S. C. White Leghorns, the big kind that lay the large, white eggs. \$1.25 for 15 eggs, \$5.00 per 100. Brookside Poultry Farm, R. 1, Chambersburg, Pa. 2-4

SINGLE COMB BUFF LEGHORNS exclusively. Eggs. Select matings, \$1.50 15. Utility stock, \$1.00 15, \$3.00 100. Mrs. Frank Carnahan, Adrian, Mich. 2-4

WRITE ME FOR PRICES on hatching eggs. S. C. White Leghorns. Blanchard and Young strains. The best of stock. Fertility guaranteed. D. S. Clark, Pulaski, Mich. 2-4

EGGS FOR HATCHING from scored S. C. White and Brown Leghorns, \$1.50 for 15. Stock for sale. S. S. Vick, Carterville, Ill. 2-4

SINGLE COMB WHITE LEGHORN cockerels. Size, shape, vigor. A. O. Howard, Tecumseh, Mich. 2-4

ROSE COMB BROWN LEGHORNS, "KULP STRAIN." Eggs from high-scoring and prize-winning, free-range stock, \$1.00 per 15, \$4.00 per 100. Pirtle Poultry Farm, Bloomfield, Iowa. 2-4

CAN SPARE A FEW EGGS from an extra choice mating of my prize winning S. C. White Leghorns at fifteen cents each. H. C. Lloyd, Hobart, Okla. 2-7

FOR SALE—Single Comb White Leghorn cockerels. Young's strain only. Eggs for hatching from selected stock. Prices right. Mark Leonard, Highland Mills, N. Y. 2-4

QUALITY SINGLE COMB WHITE Leghorns. Eggs and stock at quantity prices. Amos Fulk, South Milford, Ind. 2-4

SINGLE COMB WHITE LEGHORNS, Standard bred, high-scoring, tested 231-egg strain. 100 eggs \$4. V. M. Bearden, Bloomfield, Iowa. 2-5

S. C. WHITE LEGHORNS—A 10,000 Dollar S. C. White Leghorn Farm in Missouri. We have 3,000 birds and will sell eggs for hatching at \$1.00 for 15, \$3.00 for 50, \$5.00 for 100. Will send by parcel post or by express. If by parcel post, add one cent extra per egg to cover postage. Free circular. Address Bella Vista Farm, Kinross, Wick, Mo. 2-4

\$3.50 PER HUNDRED guaranteed fertile eggs. Welday's Vitality Strain Single Comb Brown Leghorns have a 7-year flock average egg record of 211 eggs per hen yearly. World's leading layers. Price smasher catalogue free. Cockerels, hens. K. K. Welday, Seville, Ohio. 2-4

SINGLE COMB BUFF LEGHORNS—Indianapolis, 1912, 1st cock, 1st cockerel, 1st hen, 1st pullet, 1st pen. Indiana State Fair, 1912, 2nd cock, 3rd cockerel, 1st hen, 1st pullet. Eggs, \$1 for 15, \$3 for 50, \$5 for 100. James Pearce, Martinville, Ind. 2-4

BUFF LEGHORNS. Punderford and Tectonius. Eggs, ten dollars per 100. Infertile eggs replaced. Buff Farm, Ravenna, Ohio. 2-4

S. C. WHITE LEGHORNS. Cockerels for sale from first pen at Kenton Poultry Show, 1912. Baby chicks and eggs in season. Write for catalogue. Satisfaction guaranteed. M. R. Fulton, Kenton, Ohio. 2-4

SINGLE COMB WHITE LEGHORNS. If you want the Blue Ribbon kind write Arthur C. Jones, Laurium, Mich. 2-4

"AMERICAN QUALITY" Single Comb Buff Leghorns. "Bred for eggs, but they win!" Egg records, 180 to 224 yearly, from Chicago, New York, Boston winners. L. M. Munger, DeKalb, Ill. 2

PROFIT MAKING WHITE LEGHORNS. Both Combs. Breeders embrace leading strains, bred for improved egg yield, greater vitality, in-laid size. We offer eggs, chicks or fowls. Satisfaction guaranteed. An unusually interesting circular free. Olden Oak Fowl Farm, 3500 Euclid, Kansas City, Mo. 2-4

BLANCHARD-WYCKOFF S. C. W. Leghorns. Twenty years with these strains. Hatching eggs, day-old chicks great specialties. Largest orders filled promptly, fully guaranteed. Circulars. Furnished foundation stock for Corning plant, Bound Brook, N. J. C. N. Reynolds, Canton, Pa. 2-7

WYCKOFF-BLANCHARD PULLETS, laying, \$1.25. Largest Cyphers incubators, \$25.00. James Porter, Bloomville, N. Y. 2

ROSE COMB BROWN LEGHORNS. Bred for size, quality, vigor and egg production. Eggs, 15 \$1.00; 100, \$4.00. R. H. DeVault, Bloomfield, Iowa. 2-4

S. C. WHITE LEGHORNS. Free booklet of Point o' Pines Poultry Farm, Reserve, Wisconsin, contains more than a page advertisement could explain, convincing facts and valuable breeding suggestions about the finest "Northern Bred" high quality stock and eggs at low prices and free egg delivery. Get it now. 2-4

SINGLE COMB BUFF LEGHORNS. Write for mating list for eggs and chicks, from our grand winning strain. Four birds shown, four prizes won, including first. Sell stock. Suburban Sanitary Poultry Farm, Desplaines, Ill. 2-4

SOME GOOD Single Comb Brown Leghorn cockerels. Eggs, 15, \$1.00; 100, \$4.00. Large orders specialty. Thirty-five years breeders. Ed B. Murphy, Box 4, Carmel, Ind. 2-4

WILDWOOD FARM Single Comb White Leghorns. Won prizes for best male and best female in a class of 119. Stock for sale. Eggs for hatching, \$1.50 per 15 delivered. Wildwood Farm, J. F. Potts, Box 532, Elkins, W. Va. 2-4



## LEGHORNS.

**ROSE COMB BUFF LEGHORNS.** Scored cockerels, hens and pullets for sale. Good quality. Prize winners. Mrs. W. C. Hagemester, Barron, Wis. 2-3

**CORNING EGG FARM** Single Comb White Leghorn cockerels. Eggs in season. Order now. Edwin Moyemont, El Paso, Ill. 2

**SINGLE COMB WHITE LEGHORN EGGS** from 196-egg strain, blue-white quilled, scoring 96½ large sized, winners Columbus, Toledo, Cleveland, Pittsburgh. George W. Wolfrum, Carey, Ohio. 2-4

**NELSON'S ROSE COMB** White Leghorns win firsts. Sire of 1st, 2nd cockerel and pullet last Chicago show heads my best pen. For winners write N. S. Nelson, 915 Main St., Kansas City, Mo. 2-4

**SINGLE COMB WHITE LEGHORNS**—Large, vigorous, 200-egg strain; 15 eggs \$1.00, 100 \$3.00. From matings of winning show birds. \$5.00 per 15. Satisfaction guaranteed. Le Roy Sutton, Morenci, Mich. 2-4

**1,200 S. C. W. LEGHORN** hens of quality, record layers. Stock, eggs and day-old chicks in season. Incubator eggs our specialty, \$1.25 per setting of 15, \$5.00 per 100. Mrs. L. R. Colton, Route 4, Aurora, Ill. 2

**ROSE COMB WHITE Leghorn** cockerels, \$2.50 to \$5.00. Bert Hathaway, Ogdensburg, Wis. 2

**100 BABY CHICKS** \$10.00; 100 Eggs \$5.00; 700 heavy laying, pure bred Single Comb White Leghorns. Illustrated folder. "Peachview," Grand Junction, Mich. 2-4

**ROSE COMB BROWN LEGHORN** eggs and day-old chicks. Eggs \$5 per hundred; chicks \$10 per hundred. J. O. Flock, Ramsey, Ind. 2

**ROSE COMB BROWN** and White Leghorns. Stock and eggs. None better. Satisfaction guaranteed. E. B. Cole, Sanquoit, N. Y. 2-4

**S. C. WHITE LEGHORNS**—Winners at leading shows for 29 years. Choice stock for sale. Eggs in season. Write your wants. J. H. Kollmeyer, Quincy Heights Poultry Farm, Quincy, Ill. 2-4

**"EVENTUALLY"** Alexander's Black Leghorns, James H. Alexander, Marysville, Ohio. 2

**YOUNG'S STRAIN WHITE LEGHORNS.** Ten grand pens of line-bred trapnested pedigreed stock. Special prices on incubator eggs. Mistletoe Poultry Farm, Greenville, Pa. 2-4

**WYCKOFF S. C. WHITE Leghorn** eggs, \$2.00 per 15. Jesse H. Richardson, Toboso, Ohio. 2

**SINGLE COMB WHITE LEGHORN** eggs, 15 eggs \$1.00, 100 eggs \$5.00. Shenandoah Valley Poultry Yard, Lebanon Church, Shenandoah County, Virginia. 2-4

**SINGLE COMB WHITE LEGHORNS.** Will book orders for hatching eggs and baby chicks of Young-Gerber-Rancocas strains. Karl W. Vogelgesang, 827 N. Walnut St., Canton, Ohio. 2-4

**SINGLE COMB BUFF LEGHORNS.** The best winter layers that money can buy. Eggs, \$2.00 a setting, fertility guaranteed. A few cockerels, \$3.00 each. Herbert Tompkins, Box 5, Peekskill, N. Y. 2-4

**SINGLE COMB WHITE LEGHORNS.** Young strain. Eggs, \$2.00. Crescent Poultry Farm, Champaign, Ill. 2-4

**YOUR OPPORTUNITY**—Clarion S. C. White Leghorns, the laying kind, setting \$1.00. Satisfaction guaranteed. W. Foss Littler, Dunkirk, Ind. 2-4

**50 CHOICE** Single Comb White Leghorn cockerels, Young's and Wyckoff's strains direct, \$1.50 each upward. Eggs, 15, \$1; 100, \$5. White Feather Farm, New Bremen, Ohio. 2

**SINGLE COMB WHITE LEGHORNS.** Large, great winter layers. In perfect health. Males from 200 trapnested egg hens; chicks, \$12.00 per 100; \$3.75 per 25. Eggs, \$6.00 per 100; \$1.25 per 15. George H. Briuker, Village Poultry Yards, Lyons, N. Y. 2-4

**SINGLE COMB BROWN LEGHORN** cockerels, pullets, hens; high grade range raised, big vigorous birds from proven strain of layers. Mrs. Charles Kelly, Carwood, Ind. 1-4

**ROSE COMB WHITE LEGHORNS,** firsts at the late Chicago show. Grand cockerels and hens for sale. Egg catalogue. Thomas Brogden, Rush Lake, Wis. 2

**ROSE COMB WHITE LEGHORNS.** Blue ribbon winners. Great Chicago, 1912, Illinois State, 1913, shows. If you want the best write me. Catalogue free. George A. Rigler, Bentonsport, Iowa. 2-4

**FINE SINGLE COMB** Brown Leghorn cockerels. Exhibition quality. Twelve years specialist. \$1 up. Addie Whitesides, Memphis, Ind. 2

**ROSE COMB WHITE LEGHORNS** exclusively. Fifteen eggs \$1.00. Ella Ament, New Albany, Pa. 2-4

**SINGLE COMB WHITE LEGHORNS.** Farm raised, utility, baby chicks. Twelve dollars per hundred. Eggs, 5 dollars per hundred. Satisfaction guaranteed. Bernard Suttles, Blanchester, Ohio. 2

**SINGLE COMB BROWN LEGHORNS.** Stock and eggs. Dave Gladfield, R. 34, Peoria, Ill. 2-4

**INGRAHAM S. C. W. LEGHORNS.** Good utility pens; 5 birds, one of yearling hens, others pullets, \$6.00 if taken soon. Reference. Judge Hackett. Sarah Simmons, Lake Mills, Wis. 1-2

**SINGLE COMB WHITE LEGHORN** eggs for hatching 75c per 15, \$4.00 per 100. Bred for size and egg production. R. H. Eichhorst, Downers Grove, Ill. 2-4

**ROSE COMB Buff Leghorns.** Thirteen eggs \$1.00. Leonard A. Waltman, New Albany, Pa. 2-4

**PRIZE WINNING S. C. White Leghorns,** Wyckoff strain. Famous winter layers. Eggs, \$5.00 per 100, \$1.50 per 15. Mrs. L. M. Davis, Marengo, Ind. 2-4

**HATCHING EGGS** from free range, thoroughbred S. C. White Leghorns. Prolific layers of large, fancy white eggs, which I guarantee to be right. Prices right. James E. Eastman, Rome, Pa. 2-4

**EGGS FOR HATCHING** and baby chicks from Cyphers. Bred-to-lay S. C. White Leghorns. Fairfield Farm, Hinsdale, Ill. 2-4

**EGGS FOR HATCHING** from Wyckoff strain Single Comb White Leghorns \$1 per setting from strong, healthy stock. Best blood lines. Satisfaction guaranteed. Order direct from James F. Briggs, Dighton, Mass. 2-4

**COLGAN'S VICTOR STRAIN** Single Comb Buff Leghorns. Low tails, soft even color, always winners. Address O. B. Colgan, Defiance, Ohio. 2-4

**SINGLE COMB BROWN LEGHORNS,** bred for size, eggs and to win. Eggs, best special matings. 15, \$1.00; 50, \$2.50; 100, \$4.00. Mrs. John Dietrich, Borden, Ind. 2-5

**SINGLE COMB WHITE LEGHORNS,** farm raised. Eggs, \$3 per 100. Mrs. Ben Baskerville, "Hillcroft," Montrose, Mo. 2-4

**SINGLE COMB WHITE LEGHORNS,** great layers. Eggs, \$5 per hundred. Baby chicks. B. T. Keller, R. D. 6, Kent, Ohio. 2-4

**SINGLE COMB WHITE Leghorns**—Choice stock and eggs reasonable. August W. Schroeder, St. Peter, Ill. 2

**ROSE COMB WHITE LEGHORNS,** cocks, cockerels, hens, pullets, \$1.50 each; also eggs. Henry Schowe, New Bremen, Ohio. 2

**HIGH CLASS SINGLE COMB White Leghorns** (Young's direct). Splendid layers: 15 eggs, \$1.00; 50, \$3.00; 100, \$5.00; 200, \$10.00. Strictly fresh layered. Henry Heitkamp, New Bremen, Ohio. 2-4

**FISK'S ROSE COMB BUFF LEGHORNS** are Madison Square winners; great layers; catalogue free. Howard J. Fisk, Box A, Falconer, N. Y. 10-12-1 yr. 2-4

**S. C. W. LEGHORNS**—Rockland strain. Our yards are headed by the first prize hen and second pen Madison Square. Grand birds in every pen. Eggs and cockerels for sale. Ridge Egg Farm, R. F. D., West Nyack, N. Y. 1-3

**SINGLE COMB WHITE LEGHORN Cockerels,** from 196-egg strain, blue-white quilled, scoring 96, large sized. Guarantee satisfaction. Winners Columbus, Toledo, Cleveland, Pittsburgh. George W. Wolfrum, Carey, Ohio. 1-3

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## WYANDOTTES.

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**BLUE RIBBON WINNERS AT MADISON Square.** Philadelphia and Baltimore. A. E. Wohler, Route 8, Narberth, Pa. 1-13-tf

**MY ANCONAS ARE MONEY MAKERS,** ribbon winners, egg producers. Settings, \$2.00; chicks, \$3.50 doz. Henry Y. Simpson, Auburn, Mass. 1-5

**IF YOU ARE AFTER** prize winning Anconas, write Conrad Kurtz, Satisfaction guaranteed. Cecelian, Ky. 1-4

**ANCONA PULLETS AND COCKERELS** for sale, scoring 91 and better, write for prices. B. L. & A. Bellinger, Weyanwega, Wis. 1-3

**CHICKS AND DUCKLINGS** from the finest stock in the country. Different varieties. Prices right. Safe arrival and satisfaction guaranteed. Catalog free. Wyngarden Hatchery, Zeeland, Mich. 1-6

**ANCONAS—THE EGG FACTORY KIND,** and good show birds. Eggs, \$1.00 to \$3.00 per setting. E. Metcalf, Stockport, Ohio. 1-4

**FARM RAISED ANCONAS**—Cockerels \$2.50 up; eggs \$1.50 setting. W. C. Hicks, Charles City, Iowa. 1-3

**ANCONAS—SINGLE COMB** cockerels and pullets for sale. Good thrifty birds. C. E. Brown, Powhatan Point, Ohio. 12-2

**ANCONAS—EITHER COMB.** Fancy show birds and breeding stock of the choicest quality, dark colored show birds a specialty. Yours to serve. Mark Lewis, R. No. 2, Alma Center, Wis. 12-2

**FINEST SINGLE COMB ANCONAS**—Took blue ribbons, Danbury Ct. fair. Cockerels, \$3.00 up. Miss. C. M. Lukens, Brewster, N. Y. 12-2

**HENNIGER MOTTLED ANCONAS**—Single comb, nicely mottled, good shaped cockerels and pullets for sale. Write for prices. J. A. Henniger, R. F. D. 3, Sistersville, W. Va. 12-2

**OUR FIFTY-ACRE FARM** devoted exclusively to Anconas. Finest catalog ever published about the greatest prize winning strain in America. J. O. Somers, Bedford, O. 12-2

**BERRY'S FAMOUS PRIZE WINNING Anconas**—Eggs for hatching now booked. Stock for sale. Dr. J. E. Berry, Powhatan Point, Ohio. 12-2

**SHEPPARD'S FAMOUS ANCONAS—THE** world's best. See display advertisement first page. Cecil Sheppard, Berea, Ohio. 9-12-lyr

## MINORCAS.

**SINGLE COMB WHITE MINORCAS,** Madison Square Garden winners. Eggs, \$2.00 and \$3.00 per 13. C. Augustus Raschke, Kingston, N. Y. 2-4

**ROSE COMB WHITE MINORCAS.** Eggs \$3.00 per 15. F. L. Schneider, Jasper, Ind. 2

**S. C. BLACK MINORCAS**—large type. Eggs, 15, \$3.00; 30, \$5.00. P. W. Carpenter, Ypsilanti, Mich. 2-4

**ROSE COMB BLACK MINORCA** eggs, \$1.50 per 15. The kind that will produce prize winners. O. T. Singer, New Cumberland, Ohio. 2-4

**ROSE COMB WHITE MINORCAS.** Circular. Fred Alger, Waukau, Wis. 2-4

**ROSE COMB BLACK MINORCAS.** Farm raised. Full description in mating list now ready. J. S. Ball, Varland Ave., Toledo, Ohio. 2-4

**ROSE COMB BLACK MINORCAS**—Northup's strain. 17 pullets, 4 yearling hens and a few breeding cockerels. Price reasonable. D. F. Brownell, Maryland, N. Y. 2

**SINGLE COMB BLACK MINORCA** cockerels, hens and pullets. Eggs in season. J. C. Battis, Ewing, Ill. 2-4

**ROSE AND SINGLE COMB White Minorcas.** Firsts Chicago, Kansas City, Topeka. William Huber, Hinsdale, Ill. 2-4

**S. C. BLACK MINORCAS EXCLUSIVELY.** Cockerels with size and eggs from my winners at Madison Sq. Garden, Chicago, Cleveland and Cincinnati. Price right. Get mating list. Al Renner, Coshocton, O. 2-4

**BLACK MINORCA COCKERELS** for sale. Northup strain. Margaret E. Bull, Kent, Conn. 2-3

**SINGLE COMB BLACK MINORCAS** (Northup strain). Winners everywhere shown. Get prices for eggs. Square deal. Sterling E. Boyer, Bangor, Mich. 2-4

**MARSH'S SINGLE COMB Black Minorca** eggs from my prize winners; 15, \$2.00; 100, \$10.00. J. O. Marsh, 620 J St., Bedford, Ind. 2-4

**SINGLE COMB BLACK MINORCAS,** 15 cockerels, 10 pullets, 4 hens. Grand birds. D. C. Huggett, Grand Ledge, Mich. 2

**SINGLE COMB BLACK MINORCA** cockerels with the genuine Minorca type, size, and color. A limited number of hens. Pens mated not akin. Eggs in season. John H. Beachy, Middlebury, Ind. 2-4

**SINGLE COMB BLACK MINORCA** breed exclusively, 17 years (Northup strain). Grand cockerels and hens for sale. 15 eggs \$1.50. Also by hundred. B. C. Deyo, New Paltz, N. Y. 2-4

**WHITE MINORCAS**—Madison Square, Hagerstown winners. Stock and eggs. Maurice Wingard, Chambersburg, Pa. 2-4

**BROGDEN'S WHITE MINORCAS.** Rose and Single Comb. Greatest of layers and winners. Satisfaction guaranteed. Illustrated egg catalogue. Thos. Brogden, Rush Lake, Wis. 2

**BUFF MINORCAS,** Single and Rose Comb stock and eggs. Can start you right in this grand breed. Originator of Buff Minorcas. R. P. Buffington, Springfield, Ohio. 2-4

**SINGLE COMB BLACK MINORCAS,** Northup. Pope strains; prize winners; heavy layers; state your wants. Satisfaction guaranteed. E. A. Merriam, Gaysport, Ohio. 2-5

**SINGLE COMB BLACK MINORCAS** bred exclusively. Excellent laying strain. Eggs, \$2.00 per 15, or \$8.00 per 100. Minorca Farm, Sta. L, Route 3, Cincinnati, Ohio. 2-4

**DICKINSON'S SUGAR BUTTER** Single Comb White Minorca cockerels and pullets, these are all from high scoring birds and will price right. Bailey Bros., Marshalltown, Iowa. 2-3

**S. C. AND R. C. BLACK MINORCA** cockerels for sale \$2.00 each. Prompt shipment. Address E. E. Neff, Plano, Ill. 2-4

**SINGLE COMB BLACK MINORCAS.** Eggs from heavy laying strain, \$1.50, \$2.50 and \$4.00 per 15. Fine cockerels, \$3.00 and \$5.00. Indian Runner Duck eggs, English strain. R. Oetzel, New Richmond, Ohio. 2-5

**SINGLE COMB BLACK MINORCAS**—Pen one headed by cock bird scoring 95. Pen two, by cockerel scoring 95. Pen three, by cockerel scoring 93½. Eggs for sale. Rufus Mutchler, Chenoa, Ill. 1-3

**RICHLAND POULTRY YARD,** Waynesville, N. C.—Single Comb White Minorcas, fine cockerels; eggs \$2.00 per 15. C. H. McDowell, Waynesville, N. C. 1-4

**SINGLE COMB BLACK MINORCA** cockerels. Prize winners. Satisfaction guaranteed. Gus Steffen, Bismarck, Mo. 1-3

**ROSE COMB BLACK MINORCAS** exclusively (Northup strain). Stock for sale, 15 eggs, \$1.50; \$7.00 per 100. J. R. W. Deyo, New Paltz, N. Y. 1-3

**LARGE SINGLE COMB BLACK MINORCAS.** Get prices. J. A. Lauder, Cartersville, Ill. 1-3

**SINGLE COMB BLACK MINORCAS**—Hens, cockerels and pullets. D. C. Huggett, Grand Ledge, Mich. 1-2

**ROSE COMB BLACK MINORCAS** exclusively. Northup-Mishler, Stevenson's strains. America's very best. Seventeen years breeding this one fowl. Exhibition and breeding birds a specialty. Eggs for sale. Write me your wants; I insure satisfaction. John D. Stevenson, Coshocton, Ohio. 1-3

**MEISELBACH'S WHITE MINORCAS**—Single and Rose Comb highest quality stock for sale. Harry Meiselbach, Melrose Park, Ill. 12-2

**BUFF MINORCAS**—True shape, color, size, winter layers. Lindgren Bros., Originators, Kingsburg, Cal. 12-2

**SINGLE COMB BLACK MINORCA** prize winners, young and old stock. E. V. Shorb, Massillon, Ohio. 12-2

**SAPPER'S WHITE MINORCAS.** Both utility and show birds; excellent layers; at reasonable prices. Mrs. William Sapper, Box 5, Erie, Pa. 12-4

## LAKENVELDERS.

**LAKENVELDERS—MY "BEAUTY"** strain won four firsts at Chicago, 1911, and first pen with four other ribbons at Madison Square Garden, 1913. W. R. Legron, Harvard Terrace, Toledo, O. 2-3

**LAKENVELDERS**—Eggs and cockerels from 1st prize winners. Satisfaction guaranteed. G. Nederveeld, Zeeland, Mich. 2-5

**LAKENVELDERS**—Eggs from best imported strains of Lakenvelders. C. A. Meeker, Toledo, O. 2-4



**LAKENVELDERS.**

**LAKENVELDER EGGS** for hatching. Send for mating list. C. E. Hathaway, Sheffield, Pa. 2-4

**LAKENVELDERS**—Best layers and the most beautiful fowl in the world. Write for circular giving prices on eggs and showing pictures true to life of my Chicago winners. A few choice cockerels for sale. Frank Myers, Freeport, Ill. 2-4

**LAKENVELDERS**—HIGH CLASS trios \$10.00. Onwlands Farm, South Hammond, N. Y. 1-2

**LAKENVELDERS**—Can book a limited amount of orders from a record pen of winners headed by cock "Dick Deadeye" (twice shown—twice first, Chicago, Dec., 1911, Boston, Jan., 1913), and containing hens that won at Boston, Indianapolis and elsewhere. Setting, \$5.00. Daniel S. Fling, Mgr., 1427 Howard St., Chicago. 2-4

**RED CAPS.**

**IMPORTED ENGLISH RED CAPS.** Eggs from my best pens, \$3.00 per 15. Baby chicks, 45 cents each. R. P. Weidenfeller, Mineral Point, Wis. 1-3

**ENGLISH RED CAPS**—We are the largest breeders and importers of English Red Caps in America. Eleven pens. Cock bird weight 8½ pounds. Fine mating list free. Z. T. Turner, Eleroy, Ill. 2-4

**BANTAMS.**

**"MOHAWK" STRAINS** superior. Black Reds, Silver Duckwings, Red Pyle Games, Partridge and Buff Cochins. Shipped on approval. Eggs. Mohawk Bantam Yards, Box E, Schenectady, N. Y. 2-3

**BUFF COCHIN BANTAMS**—Chicago and Indianapolis winners. Mating list free. John Kinney, Muncie, Ind. 2

**1000 BANTAMS FOR SHIPMENT.** Send 2c stamp for circular. A. A. Fenn, Box 37, Delavan, Wis. 2-7

**SEVERAL PAIRS GOLDEN SEABRIGHT** Bantams, \$3.00 per pair. W. F. Carle, Janesville, Wis. 2-4

**GOLDEN SEABRIGHT BANTAMS**—Stock and eggs. Write wants. Don O. Baird, Winchester, Ohio. 2-4

**THE BEST IN WHITE JAPANESE** and R. C. Blacks. Madison Sq. Palace and Boston winners; also Buff and White Cochins. Eggs \$5 per setting. Stock for sale. C. F. Davey, Vineyard Havens, Mass. 2-4

**RARE BARGAINS**—Golden and Silver Sebright, Buff, Black and White Cochins, Rose Comb Black and Black Tailed Japanese Bantams. Proper & Son, Schobarie, N. Y. 8-13

**WHITE COCHIN BANTAMS**—High grade exhibition stock scoring to 96½. Satisfaction guaranteed. I. R. Mankel, Upper Sandusky, Ohio. 1-3

**SACRIFICE SALE OF BLACK COCHIN Bantams.** Winners at Chicago, Nashville, Memphis. J. P. Randell, Rogers Park, Ill. 1-2

**BLACK, BUFF, WHITE** and Partridge Cochins Bantams. Walter Schafer, Mt. Pulaski, Ill. 1-3

**PRIDEAUX COCHIN BANTAMS**—Partridge and Blacks—have won from Atlantic to Pacific. Stock, eggs. Catalogue. John D. Prideaux, Benton Harbor, Mich. 12-2

**WORLD'S BEST BANTAMS**—All standard varieties. Shipped on approval. Catalogue, 2c. F. C. Wilbert, Grand Rapids, Mich. 12-2

**EXHIBITION JAPANESE Bantams**—Black Tailed, White, Black, Golden Sebright and Black Rose Comb. Stock for sale. Hez Kinter, Dillsburg, Pa. 12-2

**COCHIN BANTAMS**—White, Black. A few fine ones. Dr. Marsh, Brownburg, Ind. 12-2

**LIGHT BRAHMA BANTAMS**—Finest flock in the world to choose from. Winners at leading shows. A few show birds and breeders for sale. No eggs. J. Hart Welch, Box C, Douglaston, Long Island. 1-13 1 yr.

**WHITE COCHIN BANTAMS**, \$3.00 per pair, \$4.00 trio. Louis Yender, Naperville, Ill. 12-2

**BUTTERCUPS.**

**ORNAMENTAL POULTRY FARM.** Eggs for hatching from our famous imported Sicilian Buttercups, Longtailed Japanese Phoenix, Lakenvelders, Improved Silver Campines. Hugo C. Eckardt & Son, Oconto, Wis. 2

**BUTTERCUPS**—Eggs for hatching. Write for free circular. Geo. Nash, Portland, Ind. 2-5

**BUTTERCUPS**—Eggs for hatching. Write for circular. W. H. Nash, Redkey, Ind. 2-4

**BUTTERCUPS**—For eggs and beauty Buttercups are unexcelled. H. V. Meeker, Toledo, O. 2-4

**SICILIAN BUTTERCUPS**—BROWE STRAIN. "Everlastingly laying big white eggs." Fifteen eggs, three dollars; thirty, \$5.00. (Rev.) E. H. Keator, Franklin Park, N. J. 2-4

**SICILIAN BUTTERCUPS**—America's best. Eggs, setting, \$4.00. Crescent Poultry Farm, Champaign, Ill. 2-4

**SICILIAN BUTTERCUPS OF QUALITY.** Six years a breeder. Send for mating list. Clarence Resinger, Park Ave., Du Bois, Penn. 2-4

**BUTTERCUPS**—Thirty pullets, all laying, good condition, best stock, not culled. Also 6 fine cockerels, \$2.50 each. David Breeze, Route 1, East Liverpool, Ohio. 2

**BUTTERCUPS**—Cockerels, pullets, also eggs. Henry Schowe, New Bremen, Ohio. 2

**SICILIAN BUTTERCUPS**, from original imported stock. Prolific layers. Large white eggs, \$2.50 and \$3.00 per setting. Mrs. C. S. Chandler, Box 3, Liberty, Neb. 2-4

**SICILIAN BUTTERCUPS**, the largest amount of imported stock to be seen in America. Book your egg order early and get the best. Franklin S. Fifield, Mountain View Poultry Farm, Painesville, O. 2-4

**BUTTERCUPS**—A few good cockerels, \$5.00 each. Eggs for hatching, \$3.00 per 15; \$5.00 per 30. Angle Bros., Shippensburg, Pa. 2-4

**BUTTERCUPS**—FIRST HEN, first, second, fourth pullet; first cockerel, Bridgeport show, 1912. First cock and hen, 1911. Eggs, \$3.00, \$5.00 per setting. E. J. O'Neill, 2785 Main Street Bridgeport, Conn. 1-3

**BUTTERCUPS**—FINE LAYERS, strong vigorous stock. Eggs for hatching, \$2.00 to \$3.00 for 15. A. T. Abbott, Stockport, Ohio. 1-4

**SICILIAN BUTTERCUPS BRED FROM BEST** imported and home bred birds. Winners at Washington and Stroudsburg. Eggs and chicks. Harry G. Bossard, Hampton, N. J. 1-3

**FINE BUTTERCUP COCKS** and cockerels for sale or exchange for hens. Eggs for hatching. Correspondence solicited. Dr. F. S. Hayes, Conroy Bldg., San Antonio, Texas. 12-2

**BRAHMAS.**

**LIGHT BRAHMA COCKERELS**, early hatched, \$3.00 to \$5.00. E. E. Craw, Sadorus, Ill. 2-4

**MY LIGHT BRAHMAS** were prize winners at Madison Square Garden. For sale now. 75 pullets, \$3.00 to \$8.00. 35 cockerels, \$5.00 to \$15.00. Also yearling hens and cock birds. Pens, \$15.00 to \$50.00. Exhibition stock, matter of correspondence. Standard bred stock. From March 15th, eggs for hatching, \$3.00 per 15. Address Anna Kahlen, Station J, Box 25, New York City. 2-4

**LIGHT BRAHMAS**—Good dark points, shape and size. Eggs, 15, \$2.00; 50, \$3.50; 100, \$6.00. Circular free. Chas. Hunt, Clarksville, Iowa. 2-5

**LIGHT BRAHMAS**, at your price not mine. Owing to rheumatism I am compelled to retire. For 20 years I have been perfecting this flock for you, which defies all competition. 14 won 15 premiums in our Kansas State show. My pictorial description for the asking. Mrs. J. R. Kenworthy, Coop 3, Wichita, Kan. 2

**DIRECT OFFSPRING GRAND SWEEPSTAKE** special winning pen, all breeds competing. Pittsburgh, Pa., January, 1912. Light Brahma cockerels of quality, 9 months old (good points). \$5.00. Satisfaction assured. B. Switzer, 1108 Oakland Ave., Indianapolis, Ind. 2

**ROSE COMB LIGHT BRAHMA** hens, cocks, cockerels and pullets for sale, \$1.25 each. Eggs in season. Book your orders early. John F. Shultz, R. 1, Warren, Ill. 1-3

**LIGHT BRAHMA COCKERELS**—Exhibition and breeding birds, best in the West. Prices right. Eggs in season. 26 years a breeder. Nickerson Poultry Yards, Nickerson, Kan. 1-3

**GIANT LAY AND WEIGH** strain. Light Brahma cockerels. Extraordinary beauties, \$5.00 and \$8.00 each. M. Nolan, Stratford, Conn. 1-2

**HOUDANS.**

**HOUDANS EXCLUSIVELY** since 1895. Choice lot cockerels for sale. Eggs, \$3.00 per 15; \$5.00 per 30; \$15.00 per 100. From best stock. Louis Faller, Newton, Ill. 2-4

**HOUDANS**—The hen that lays is the hen that pays. Why not buy Houdan eggs, \$1.00 per 13. H. Merriam, Ashburnham, Mass. 2-4

**ABERNETHY'S HOUDANS**—Winners New York, Boston, Philadelphia, Hagerstown, Brockton, etc. They look well, win well, lay well. Better buy the best. Stock and eggs reasonable. James Abernethy, West Pembroke, Maine. 2

**FAULTLESS HOUDANS**—McAvoy strain. Best layers and most prolific strain of fowls bred. Eggs from my select pen, \$5.00 per setting. Good birds for sale. F. M. Griffith, Wayne, Neb. 2-4

**HOUDANS**—EXHIBITION COCKERELS—Large, dark. From egg-bred stock, \$5.00 to \$10.00. Eggs in season, \$2.00 and \$3.00 setting. Charles Krueger, 5044 West Addison, Chicago. 1-3

**"BADGER STRAIN" HOUDANS** are practical business birds, layers and winners. Write for our illustrated literature today. W. R. Bridgman, Wautoma, Wis. 11-4

**HOUDANS**—TAYLOR STRAIN, pure, handsomest family utility breed. Mated for standard requirements. Large white eggs from vigorous yearling hens \$3.00 for 15. Best references. The Fowlers of Maplecroft, Box 264, Youngstown, Ohio. 1-3

**WE LANDED ALL THE BLUE** ribbons at Boston show, 1912. Revised and illustrated book 20c stamps will put you first. Proprietor of all the Petersens, also Forsyth strain. Dr. E. A. Wight, Bolster's Mills, Maine. 11-11-1f

**HAMBURGS.**

**SILVER SPANGLED HAMBURGS**, line bred for 30 years. Eggs and stock for sale. Eggs \$3.00 for 15; \$5.00 for 30. S. S. Rich, Horicon, Wis. 2-5

**SILVER SPANGLED HAMBURGS**—Stock and eggs for sale. Also White Plymouth Rock eggs. Mrs. Geo. Schleicher, R. R. 3, Belleville, Ill. 2-4

**SILVER SPANGLED HAMBURG** cockerels for sale. Choice price, \$1.50. Frank Nowka, R. 1, Glenville, Neb. 2-4

**STANDARD BRED SILVER SPANGLED HAMBURGS.** Best, \$1.50 setting. Cockerels, \$1.50. E. V. Root, Bangor, Mich. 2-4

**SILVER SPANGLED AND BLACK HAMBURGS**—Originator of the "Black Diamond" strain. First cockerel, first pullet Madison Square. More firsts and specials at Columbus, Detroit, Mansfield, Greenwich and New London than all competitors. Also at Madison Square Dec. 1911, on two entries, 2nd cock, 2nd hen. Eggs, \$3.00 per 15; \$5.00 per 30. Will L. Clark, Sullivan, Ohio. 2-1f

**SILVER SPANGLED HAMBURGS**—"Beauty Spot" strain. Some extra fine cockerels, \$2.00 up. Money back guarantee. Write wants. Charley Laughlin, Bloomfield, Ind. 12-3

**BUCKEYES.**

**BUCKEYES**, Twelfth year. Quality. State fair first. Gardner Dunning, St. Marys, Ohio. 2-4

**BUCKEYES, WINNERS MADISON SQUARE**, Boston, Cleveland, Washington, Scranton. Catalogue free. Lindley Place, Meshoppen, Pa. 2

**BUCKEYES**—THIS SEASON won more firsts and specials than combined competitors; Memphis, Sedalia, New York, St. Louis. Hatching eggs ready. Free catalogue. A. H. Weisberg, Nevada, Mo. 1-3

**CAMPINES.**

**SILVER AND GOLDEN CAMPINES.** Our birds have proven by their winnings that they are the world champions of them all. See our advertisement on another page. Manhattan Farms, Geo. E. Noeth, Owner, Brighton, N. Y. 2

**CAMPINES**—Five settings from \$250.00 pen imported winners at \$10.00 for 15 eggs. First orders recognized. L. Brackett, Hopkins, Mich. 2-4

**IMPORTED SILVER CAMPINE** prize pens which produced recent Crystal Palace winners. Limited number of sittings booked. Overlook Poultry Farm, Monsey, N. Y. 2-4

**MY BIRDS LAY ENORMOUS CHALK WHITE** Eggs. Raise breeders now to supply the great boom already started on Campines; greatest utility fowl ever bred; lay largest, whitest and most eggs ever laid by hens; stand closest confinement. No one can start now on Campines without making money. I. Putnam, 909 Water Elmira, N. Y. 2

**SILVER AND GOLDEN Campine** stock and eggs for sale. E. B. Benson, Randall, Iowa. 2

**SILVER CAMPINES** won 1st, 2nd hen, 1st cockerel, 2d and 3d pullet at Tristate Poultry Show, Jan. 6, 1912-13. Eggs from this pen, \$7.00 for 15. J. C. White, Weston, Ohio. 2-4

**SILVER CAMPINES** (Jacobus strain). Eggs from prize winning birds, \$3.00 per 15. Patrick Delaney, 402 Maple Ave., Du Bois, Pa. 1-3

**GOLDEN AND SILVER CAMPINES**—Mrs. Carver will sell a limited number of settings from two special matings at very reasonable prices. The same high standard of mating and breeding of this wonderful variety will be maintained for which this farm is noted. Address Mrs. Pearl Carver, care Carver's Red Farm, Seville, Ohio. 1-13 1f

**SILVER CAMPINES**, the coming egg machine for America. We have birds imported from Rev. Jones, and our own raising. Order eggs early. Last season we were sold out in March. Ridge Egg Farm, R. F. D., West Nyack, N. Y. 1-3

**SILVER CAMPINES**—Beautiful, the rich man's hobby; useful, the poor man's friend. Everlasting layers of large, white eggs. Birds and eggs prize winners wherever shown. Circular. Dr. Prudhomme, Thurmont, Md. 12-2

**SILVER CAMPINES**, the coming egg machine for America. We have birds imported from Rev. Jones and our own raising. Order eggs early. Last season we were sold out in March. Our S. C. W. Leghorn yards contain first prize hen, second pen, Madison Square Garden. None better. Prices right. Ridge Egg Farm, West Nyack, N. Y. 12-2



## CAMPINES.

**CAMPINES—FOR KENNEDY'S IMPROVED**  
Champion strain see advertisement on back cover.  
7-12-1yr

**GOLD AND SILVER CAMPINES**—50 selected cockerels, a few hens and pullets. All from imported English stock. A. Elmer Dietrich, Tunkhannock, Pa. 12-2

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**WHITE FACE BLACK SPANISH**, eggs, 15 for \$1.50; 30 for \$2.50; 100 for \$5.00. Good stock for sale. Lonella E. Jaqua, Portland, Ind. 2-5

**WHITE FACE BLACK SPANISH** (Rose and Single Comb)—Stock for sale. Catalogue free. M. H. Lindsey, Box A, Northville, N. Y. 12-2

## LANGSHANS.

**WHITE LANGSHANS** that win the blue. If there were any better I would have them. Stock and eggs. C. Leitnaker, Basil, O. 2-4

**HIGH SCORING Black Langshans**, 15 eggs \$2.00; 30, \$3.00. Levi Fishel, Dillsburg, Pa. 2-4

**BLACK LANGSHANS—WINNERS** at Sewickley, McKeesport and Pittsburgh exhibitions. Eggs, \$3.00 for 15. Choice cockerels for sale. E. Porter & Son, 1400 Chappel Ave., Banksville, Pa. 2-3

**MONARCH STRAIN Black Langshan** pen headed by first cock scoring 93% at Newark show. Eggs \$2.00 per 15. Jessie H. Richardson, Toboso, Ill. 2

**EXTRA BIG BONED**, greenish glossy, black eyed Black Langshan, scored, \$2.50 and \$5.00 each. Eggs 10 cents each, guaranteed. Osterfoss Poultry, Hedrick, Iowa. 2-5

**BLACK LANGSHANS**, Monarch strain. The kind that win and lay. Eggs for hatching. Choice cockerels for sale. Write. Leo. A. Gartman, Oshkosh, Wis. 2-5

**GOOD WHITE LANGSHAN** cockerel and pullets \$2.00 to \$3.00 each. J. Adams, Hutsonville, Ill. 12-2

**BLACK LANGSHANS**—Satisfaction guaranteed.—Geo. Yanson, Middleburgh, N. Y. 1-2

**BLACK AND WHITE LANGSHAN**—Large cockerels cheap; eggs \$2.00. Your money's worth or your money back. Clifton Dixon, Bloomfield, Ind. 1-3

**BLACK LANGSHAN**—250 cockerels, breeders and show birds. W. M. Mayer, 8 S. Bowman Ave., Danville, Ill. 12-2

**BLACK LANGSHANS**—Scored cockerels for sale. Mrs. M. L. Shroyer, New Windsor, Ill. 12-2

## COCHINS.

**PARTRIDGE COCHINS**—Extra choice stock. Eggs \$1.25 per 15; \$5.00 per 100. Elmer Niece, Frenchtown, N. J. 2-6

**BUFF COCHINS**—The fancier's fowl. Single birds, pairs, trios and pens raised from my Indianapolis winners for sale, reasonable. Satisfaction guaranteed. Clinton Jacobson, Attica, Ind. 1-3

**PARTRIDGE AND BUFF Cochins**—A few choice specimens for sale. D. C. Peoples, Uhrichsville, Ohio. 12

## BABY CHICKS.

**DAY-OLD CHICKS**—White and Brown Leghorns. Pure stock, guaranteed. Catalogue free. McKinley Hatchery, Zeeland, Mich. 2-4

**BABY CHICKS**—White Wyandottes, Barred Rocks, Rhode Island Reds, White Leghorns, all hatched in Mammoth Hot Water Machines. Chicks that will live and grow. Thousands of these chicks have satisfied my many customers in the past. Booklet free. W. B. Candee, De Witt, N. Y. 2-6

**BABY CHICKS**—Single Comb White Leghorns, \$2.00 doz.; \$12.00 per 100. Single Comb White Orpingtons, \$5.00 doz.; \$15.00 per 50; \$25.00 per 100. Stamp for catalogue. Haupt Hatchery, Easton, Pa. 2-4

**CHICKS AND DUCKLINGS** from the finest stock in the country. Different varieties. Prices right. Safe arrival and satisfaction guaranteed. Catalogue free. Wyngarden Hatchery, Zeeland, Mich. 2-6

**S. C. W. LEGHORN Baby Chicks** \$12.50 per 100. Hatching eggs \$6.00 per 100. Mammoth incubator. National Egg Farms Co., Colfax, Ill. 2-4

**WHITE LEGHORN CHIX**, NINE cents each, from excellent stock. Free circular. Novova Farm, Silver Spring, Md. 2-4

**YOUNG AND WYCKOFF STRAINS S. C.** White Leghorn baby chicks, \$10 per hundred expressage prepaid. Eggs from same stock, guaranteed 90% fertile, \$4.50 per hundred. Ohio Valley Hatchery, Ramsey, Ind. 2-4

**BABY CHICKS**—White and Buff Orpingtons, Owen strain. Safe arrival guaranteed. Eggs for hatching. Mating list furnished. P. W. Wenk, Carlisle, Pa. 2-4

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**BABY CHICKS—WHITE AND BUFF ORPINGTONS**, S. C. and R. C. Rhode Island Reds, White Wyandottes, White Leghorns, Indian Runner ducklings. 260 prizes at 8 shows. Great laying strains. All our stock is farm-bred. Chicks hatched by the best system yet devised. Place orders early and be sure of getting chicks when wanted. Send for catalogue. Grannis Bros., Route 8, Bryn Mawr Park, Youkers, N. Y. 2

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**DAY-OLD PULLETS** or cockerels. Economy Poultry Farm, Council Bluffs, Iowa. 1-2

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**WHITE PLYMOUTH ROCKS—** Farm raised, from prize winning stock of the Bickerdike strain. A few good cockerels and hens yet for sale. Am booking orders for eggs at \$5.50 per 100. Satisfaction guaranteed. C. F. Long, Waggoner, Ill. 1-1



Taylor, Berlin, Maryland.

**SINGLE COMB WHITE ORPINGTON** cockerels, grandsons of \$200.00 Kellerstrass pen, from \$3.00 to \$5.00. Hale's Explanatory Score Card by Judge Mertens on request. Eggs \$2.50 to \$3.50 per 15. Mating list ready. Marion Stevenson, Maplewood, Mo. 2-1



R. C. REDS—PRIZE WINNERS.

**BABY CHIX, BARRED PLYM** outh Rocks. Mammoth Incubator hatched. Parks bred to lay strain, from healthy free range stock. Why buy eggs when chix are more satisfactory. Order early to avoid disappointment. \$12.00 per 100. H. Taylor, Berlin, Maryland. 2-3



I HAVE EGGS FOR HATCHING

**R. C. REDS—PRIZE WINNERS.** Sired by 1st prize Chicago cock, 1911. Have won for me and will win for you. The best of winter layers. Eggs \$2, \$3, \$5 per 15. R. F. Brunner, Marquette, Mich. 2-3



MERRY'S WHITE WYANDOTTES.

**I HAVE EGGS FOR HATCHING** from Kellerstrass S. C. White Orpingtons at \$2 per setting of 15 eggs, and Rose and Single Comb R. I. Reds at \$1 per setting of 15 eggs. W. H. Park, R. D. 1, Freedom, Pa. 5-12-1yr



CRYSTAL WHITE ORPINGTONS—

**MERRY'S WHITE WYANDOTTES.** "The Kind That Pay Because They Lay." Eggs \$1.50 per 15, \$8.00 per 100. If you wish the best at these reasonable prices, write Wayne A. Merry, Benton Harbor, Mich. 2-1



FAIRACRES FARM—TOGGENBURG, Saanen, Milkers and Does in Kid, Pea Fowls, Swans, Mink.

**CRYSTAL WHITE ORPINGTONS—** Pens now mated. Eggs from exhibition matings, \$4 for 15. Choice Utility, \$2 for 15. Orders booked for day old chicks, 25 for \$5.50; \$18 per 100. Geo. W. Barnes, Box 340A, Norwalk, Ohio. 1-1

**MILCH GOATS**

**BABY CHIX**  
PER DOZEN, \$3  
**S. C. WHITE LEGHORNS**  
Hough Egg Farm, Box 2, Far Hills, N. J.





**BABY CHICKS OR EGGS**—PLYMOUTH Rocks, Reds, Leghorns, Anconas, Minorcas, Langshans, Orpingtons, Cornish Indian Games, Wyandottes, Indian Runner Ducks, Embden Geese. Also twelve varieties of Bantams. Best blood lines properly mated. Send for Catalogue. Talbot's Twin Oaks Farms, Sargents, Ohio. 1-3

**PARTRIDGE ROCKS** : ALSO COLUMBIAN, SILVER Penciled and Barred of high-class. J. A. HAGEMAN, President Partridge Plymouth Rock Club, Box 4, Charlotte, Michigan. 12-12-1yr

**ENGLISH ORPINGTONS** : BLACK, WHITE, BUFF Rose and Single Comb. Males \$5 to \$10; females \$3 to \$5. JNO. A. HAGEMAN CO. 12-1y Box A, Charlotte, Mich. 2-13-1yr

**Buff. Rocks** : AT PEORIA DECEMBER, 1912, IN class of 133 birds we won 9 regular and 3 special prizes, including McDougall cup for best display on 9 entries. Write us your exact wants. H. A. Jacobs, R. 36, Peoria, Ill. 11-12-1yr

**Columbian Wyandottes** : WINNERS AT ILLINOIS STATE Show, 1913: 1st and 2nd cock, 1st and 2nd hen, 2nd and 3rd pullet, 2nd pen, and at leading western shows the past ten years. Everything as represented. Send for circular. J. A. Leland, R. R. 2, Springfield, Ill. 2-13-1yr

**Champion Partridge Rocks** : AT MADISON SQUARE FOR 5 years. This year we bred winners for Chicago, Boston, Atlanta, Los Angeles, many other shows. Imported birds and our Madison Square Garden winners. Free catalogue. Hillcrest Farms, Oakford, Pa. 2-13-1yr

**Baby Chicks** : BABY CHICKS, 10 TO 15c; EGGS, \$5.00 to \$6.00 per 100. Rhode Island Reds, White and Columbian Wyandottes, Buff and White Orpingtons, Barred Rocks, White Leghorns, Pekin and Runner Ducks, Bourbon Red Turkeys. Catalogue free. G. A. Mitchell, Freeport, Ill. 2-13-1yr

**FISHER'S BUFF ORPINGTONS** : Are known America over, winning at all the prominent shows, including Madison Square Garden, Chicago, Cleveland, etc. Mention A. P. J. when writing. C. E. Fisher, Box 391, McConnellsville, O.



## Fresh Eggs

**7c. PER DOZEN** From hens kept according to our free feeding plan in our Improved Houses, costing complete from \$12.50 up. Write for catalog Portable Poultry Houses.

Owen Co. : Smith Street : Allegan, Mich.

## Hatch Chicks that Live



that's what I guarantee the **Paradise Hatchery** to do, and hatch every hatchable egg besides. Hundreds of thousands of chicks are lost every year through inadequate methods of hatching. Thousands of poultry raisers everywhere have discarded "old fashioned" hen-setting ways because they run out of patience. Doubtless Job made a successful hatching chickens the "old fashioned" way, but Job had a cinch on the patience part of the business—few of you ever met him. Therefore, not having a satisfactory regulator for Nature's incubator, poultry raisers have as a last resort, tried the artificial "Hatch-all" only to be disappointed. Yes, they were cleverly advertised and the figures appeared splendidly in favor of the incubator, but after a thorough test "things are not what they seem," and the operator wishes he might be little again, and his mother would come and tuck him in. Poultry raisers who have had this "terrible experience" have accepted the old adage, "Don't count your chickens before they are hatched" for the truth, and nothing but the truth, until the **Paradise Hatchery** appeared on the scene. Since its introduction this "old saying" is considered obsolete. Poultry raisers in all parts of the U. S. and Foreign Countries, are adopting the **Paradise Way** because it solves the problem of successful chicken hatching. Friend Reader, does this mean any thing to you? Remember what Noah said, "Don't Be a Back Number." Get in line with the successful—get a **Paradise**; start the hatching season of 1913 right—You'll have more profit to contend with. If you only intend to hatch one chicken, my free circular will mean much to you. Remember: the pleasure and profit way of chicken hatching via the **Paradise Way**. "You'll like it."

ELMER S. WEST, - BOX 97, - EWING, KY

## COLUMBAIN WYANDOTTES

Our birds have been the very highest winners at New York, Boston and Chicago for our customers as well as, for ourselves, including one of the first prize winners at the last Chicago show. Our birds are grand in lace hackles and tail coverts with white backs. We can please you. J. FRANK VAN ALSTYNE, Niverville, N. Y.

## S. C. Brown Leghorns

First prize winners at Madison Square, New York, Chicago, Pittsburg, Cleveland, Buffalo and Philadelphia. My prices are reasonable. Write for circular.

Frank Schellang, R. 8, Erie, Pennsylvania

## White Rocks

Koons' White Rocks again prove their winning quality at the Philadelphia show. 1st cockerel, 1st pullet, 2d hen, 4th cock on five entries. Pullet won special for best pullet in show, all varieties competing. Eggs after February 1st, all headed by males having won first prizes, \$10 per setting.

Koons' Farms : Treichlers, Pennsylvania

## SKINNER'S STANDARD WHITE WYANDOTTES

Have been winners at the leading Mid-West shows for the past eight years. A grand lot of birds for sale. Mention American Poultry Journal when writing.

F. E. SKINNER : : : SANDWICH, ILLINOIS

## White Plymouth Rocks

My birds were one of the leading winners at the great Chicago show, Dec., 1910. Can supply winners for any show in the country. Write now for prices. Write for circular. Egg orders booked now. Mention A. P. J. when writing.

J. H. Trobaugh - Box 253 - Delphi, Indiana

## BARRED ROCKS

First cockerel and five specials at Philadelphia, Pa. First pullet, second hen and second pen at Camden, N. J. Strong, vigorous stock for sale. Eggs from choice pens.

MAPLE GRANGE POULTRY YARD  
S. M. GOUCHER : : : MOORESTOWN, N. J.

## White Indian Runner Ducks

That breed true to type, color and station. In taking up a new breed one naturally wants to buy their stock and eggs from "headquarters" and from stock that you know is mated and bred right. Our White Runners have won at New York, Hagerstown, Indianapolis and Great Appalachian Exposition. We have sold the winners for nearly every show of note the past season. Our yards this season contain the best White Indian Runners in the world. Eggs, \$8 per 12, \$15 per 24.

Mrs. U. R. Fishel, Box R, Hope, Indiana

## Bermuda Grass

The finest grass in the world for LAWNS, pasture or hay. Makes the prettiest lawn, pasture or poultry range. It is the most nutritious and beneficial grass for all kinds of stock or poultry. One acre in Bermuda grass equals ten to sixteen acres in native grass. It will thrive on any soil, poor or rich. The roughest hills and brakes can be made the most valuable by planting to Bermuda grass. One planting makes permanent sod and stand indefinitely. Plant from February to July. One-fourth pound will plant good sized lawn, five pounds will plant an acre. I can furnish choice cleaned seed at one-fourth pound, 50c; pound, \$1.25; 10 pounds, \$10; all prepaid. Order at once; supply limited.

B. E. MILLER : : CARLTON, TEXAS



# Fire-Proof And Insurable

**EVERY INCUBATING DEVICE** that we manufacture and offer for sale is built in strict conformity with the "Rules and Requirements" of the NATIONAL BOARD OF FIRE UNDERWRITERS. This is true of Cyphers Lamp-heated Incubators, of Cyphers Gas-heated Incubators, of Cyphers Electric Incubators and of the **CYPHERS MAMMOTH INCUBATORS**. Do not over look this **BIG FACT**—it is **HIGHLY IMPORTANT!** It means that the construction of these machines, as regards fire risk, has been **CRITICALLY EXAMINED** and **OFFICIALLY APPROVED** by expert engineers representing practically every standard old-line fire insurance company doing business in the United States and Canada.



6,000 Hen Egg Capacity Cyphers Mammoth Incubator on White House Poultry Farm, Oskar Frowein, Proprietor, Center Moriches, Long Island, N. Y.

## "Tried One, Then Ordered Another."

LANGE POULTRY FARM.

Ernest Lange, Proprietor.

Breeders of Barred Plymouth Rocks and S. C. White Leghorns.  
Hatching Eggs. Day-Old Chicks.

Moriches, N. Y., January 8, 1912.

Cyphers Incubator Co., Buffalo, N. Y.—

In placing my order with you for another Cyphers Mammoth, 6,000-egg capacity, I am glad to be able to say that I was so successful and am so well pleased with the 4,800-egg Mammoth you installed on my plant a year ago that I decided to enlarge the hatching capacity by ordering another one of these big machines. I have found that there is a saving of about 60 per cent. in fuel—also there is no danger of fire and no lamp fumes in the room.

To any one who is interested in Mammoth Incubators I heartily recommend the Cyphers, and extend a cordial invitation to come and inspect my plant and see the Cyphers Mammoth in operation. My hatches with this machine last season were wonderfully good—about 90 per cent. of the fertile eggs coming out, producing strong, healthy chicks, full of vitality. On account of simplicity of construction any person of ordinary intelligence can run it. And it requires much less labor and attention than I formerly was compelled to give to the incubating process.

ERNEST LANGE.

## WHY THE CYPHERS MAMMOTHS SELL

"Has Used His Three Years."

WHITE HOUSE POULTRY FARM

Breeders of Barred and White Plymouth Rocks and S. C. White Leghorns.

Center Moriches, L. I., N. Y. Oskar Frowein, Prop.

Center Moriches, January 7, 1912.

Cyphers Incubator Co., Buffalo, N. Y.—

I am using our Cyphers Mammoth Incubator for the third season and am glad to say that I am perfectly satisfied with it in every way. The percentage of chicks hatched from the fertile eggs is fully as good as we formerly obtained from the lamp-heated machines, if not better, and my expenses of operation are just one-third less since I started to use the Mammoth. The chicks hatched are big and lively—are healthy and grow fast. The biggest saving is in fuel. We average to save two-thirds on fuel, as compared with lamp-heated machines. I can truthfully recommend the Cyphers Mammoth Incubator to anyone who may wish to inquire. With best wishes for the New Year,

WHITE HOUSE POULTRY FARM,  
Oskar Frowein, Proprietor.

## U. R. Fishel Installs 10,400 Egg Machine.

FISHELTON

U. R. Fishel, Proprietor.

Home of "The Best In The World Strain" White Plymouth Rocks.  
The Largest Specialty Poultry Farm in the World

Hope, Ind., January 9, 1912.

Cyphers Incubator Co., Buffalo, N. Y.—

After carefully investigating all mammoth incubators I became convinced that the Cyphers Mammoth was the one for me to buy, therefore I placed my order with you for a 10,400-egg capacity mammoth incubator and am pleased to say that you lost no time in installing this machine, which I am to use this season. I wanted to write you and tell you how well pleased I am with the general appearance of the Cyphers Mammoth. I feel confident it will hatch just as good if not better than the individual Cyphers Incubators, and if it does that I certainly will be delighted with it. Just took off 116 chicks—good strong ones—from 122 fertile eggs in one of my lamp-heated Cyphers.

One point I like especially about the Cyphers Mammoth as compared with the other makes, is its general appearance, for we want nothing at Fishelton but that which is the very best, and I feel that we are keeping up to the standard by installing this Mammoth Cyphers Incubator. Thanking you for the prompt manner in which you handled my order for the Mammoth, I remain,

U. R. FISHEL.

## ORDERS FILLED PROMPTLY:

eggs. Are shipped knock-down in panels at low freight rates.

Are suitable to use successfully in an ordinary incubator house or cellar above or below ground, or in any large room or apartment. Can be taken down on short notice without injury and moved to another location. If you are interested in custom hatching, or are selling day-old chicks, or are operating or planning to operate a large, practical plant of any kind, write today for our SPECIAL 20-PAGE CIRCULAR, showing pictures of and fully describing the latest Cyphers Mammoth. Prices and full information on request. Address home offices, or nearest branch house.

**Cyphers Incubator Company, Dept. 30. Home Offices, Buffalo, N. Y.**

BRANCHES:

NEW YORK CITY,  
23 Barclay St.

BOSTON, MASS.,  
12-14 Canal St.

CHICAGO, ILL.,  
340-342 N. Clark St.

KANSAS CITY, MO.,  
317-319 Southwest Blvd.

OAKLAND, CAL.,  
1569 Broadway

LONDON, ENGLAND,  
119-121 Finsbury Pavement



# Success With Early Chicks

**WHAT TO DO** with the first chicks of the season—where to keep them and how to make sure of raising them successfully? This has been one of the hardest problems for poultry raisers to solve. It is just here that the **PARADISE BROODER** comes into profitable use—and completely answers that important question. This “best of all” indoor brooders (see illustration) is not new and untried. We are not offering an “experiment.” These brooders have been on the market and in successful use five years. Are sold in one, two, three or four sections—each section measuring 3x7 feet and having two separate compartments. Following is sample evidence of the kind of work they do.

## HOW WELL PARADISE BROODERS PLEASE

### Tried One Section—Bought Another.

Felton, Del., July 18, 1911.

Cyphers Incubator Co., Buffalo, N. Y.

In the spring of 1910 we purchased the first or lower (base) section of a Paradise Brooder and liked it so much that in the spring of 1911 we added a second or “upper” section. We had our Paradise Brooder in a small compartment of our brooder house and although there was no auxiliary heat we had no difficulty in keeping the chicks warm, even during the cold weather of February and March. Brooded as many as 221 chicks at a time and with fine success.

A. C. & J. MERITHEW.

### “Gives Excellent Satisfaction.”

Warrensburg, Mo., April 18, 1911.

Cyphers Incubator Co., Buffalo, N. Y.

It gives me great pleasure to recommend the Paradise Brooder. I am using three sections, which easily accommodate four hundred young chicks. The method of heating is highly satisfactory and being able to feed in the troughs has saved me about half my feed bill over other ways, because practically no feed is wasted. Everything about this machine gives excellent satisfaction.

GEO. M. BLISS.

### “And They Grew Rapidly.”

30 Dayton St., Springfield, Mass., July 29, 1911.

Cyphers Incubator Co., Buffalo, N. Y.

My experience with the Paradise Brooder I bought of you has been very satisfactory. I kept the chicks in a brooder in a large back room for the first three weeks. The number lost was small, being practically nothing but a few weaklings of the hatch. The chicks were very hardy and they grew rapidly. I was especially pleased at the ease with which the chicks can be cared for and the brooder cleaned.

J. E. SHAW.

### “No Other Method In Existence.”

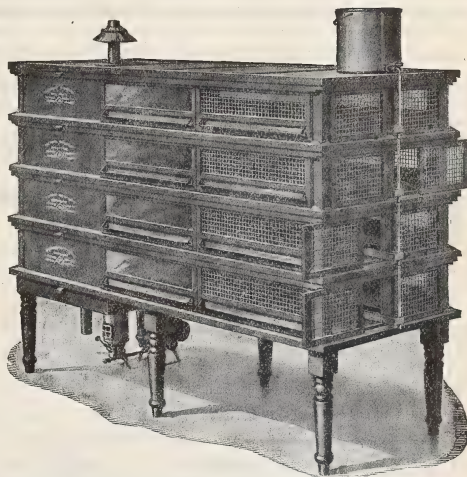
Garnett, Kas., November 17, 1911.

Cyphers Incubator Co., Buffalo, N. Y.

We use Cyphers Incubators and Adaptable Hovers exclusively, except that we are operating two of your four-section Paradise Brooders, and right here we want to say that there is no other brooding method in existence today that compares with the Paradise for raising chickens to four weeks old. They are fool-proof, time and labor saving and a great practical success. We earnestly believe that our success has been due to the fact that we started in the poultry business with dependable equipment and products—such as bear the Cyphers Company trade mark.

PEERLESS POULTRY FARM.

Fred. P. Spraul, Mgr.



Four-Section, One-Lamp PARADISE BROODER. Capacity 400 Chicks, in Eight Separate Lots of 50 Chicks Each

### “I Expect To Buy More.”

Saville, L. I., N. Y., August 8, 1911.

Cyphers Incubator Co., Buffalo, N. Y.

I want to say that I had the best of success with the Paradise Brooder and can show today six hundred of the finest White Wyandottes and one hundred and fifty White Orpingtons, which were all started in this brooder. Placed fifty chickens in each compartment and they died fine right from the beginning. It was warm and dry in the brooder at all times. The feeding troughs are the best arrangement any one could devise. Lost very few chicks—fewer than by any other brooding method I have ever tried. I expect to buy more of these brooders next season, about February, 1912.

FREDERICK A. DIETZ.

**PLACES TO USE:** THE PARADISE BROODER can be operated with success in a dwelling house, store room, stable, poultry building or other structure where the temperature does not go below freezing. It will give excellent satisfaction in any of these locations. No better or more convenient place can be found than near a window in a room of an ordinary dwelling—a south or east room preferred, where the sun will shine in on bright days. FOR DETAILED ILLUSTRATED DESCRIPTION of the Paradise Indoor Brooder (heated by coal-oil stove or by gas) write today for our “Poultry Growers’ Guide For 1912.” FREE on request. 244 pages, 7½ x 10 inches. Fully describes our more than 100 standard poultry articles for progressive, successful poultry raisers. Address place of business nearest you.

**Cyphers Incubator Company, Dept. 30 Home Offices, Buffalo, N. Y.**

BRANCHES: NEW YORK CITY, 23 Barclay St. BOSTON, MASS., 12-14 Canal St. CHICAGO, ILL., 340-342 N. Clark St. KANSAS CITY, MO., 317-319 Southwest Blvd. OAKLAND, CAL., 1569 Broadway LONDON, ENGLAND, 119-121 Finsbury Pavement



# WARD'S CHAMPION DARK CORNISH

The big winners at the leading shows of America in 1912. Won 12 firsts, 12 seconds, 4 thirds, 3 fourths, 2 fifths on 33 entries, but 3 birds not getting placed. Showing at Allentown, Pa., Hagerstown, Md., Trenton, N. J., Philadelphia, Pa., same week as Chicago Club show, so was forced to show a second string at Chicago, Ill., against 268 birds shown by 40 other exhibitors. Also 16 valuable specials. Mating list ready. Yours for a red stamp. It describes my wins in detail.

JOHN W. WARD, JR.

BOX 7

PENNINGTON, NEW JERSEY

THE MOST POPULAR FOWL today is U. R. Fishel's White Ply. Rocks



First Prize Partridge Rock Cock  
Madison Square Garden, N. Y., 1913

## BIRD'S PARTRIDGE ROCKS

WON ALL FIRSTS AND SPECIALS AT MADISON SQ. GARDEN JAN. 1913

This remarkable record, with their decisive victories at New York, 1910-11, and Hagerstown, 1911-12, gives them a grand total of 21 of the 23 firsts competed for, and stamps them as America's undisputed champions. Their utility is equal to their beauty. The greatest prize winners and best breeders for you. Write your wants. Catalog for stamp.

REPEATED CHAMPIONS AT MADISON SQUARE GARDEN, NEW YORK, 1913

Our third consecutive win at America's leading show stamps them positively the Primers of all winning and quality strains. Their former records are history. This year, 1913, they win in the Gardens choicest class, Cocks, 1, 2, 3, 4; Hens, 1, 2, 3; Cockerel, 1, 2, 3, 4, 5; Pullets, 1, 2, 4, 6; Pen, 1st; First Display and all Specials. We breed them all.



First Prize Bronze Turkey Cockerel  
Madison Square Garden, N. Y., 1913

## BRONZE TURKEYS

WON ALL FIRSTS AT HAGERSTOWN, 1912, AND MADISON SQUARE GARDEN, NEW YORK, 1913

Making a grand total of 21 of the 24 firsts at 6 great shows in 1910-11-12-13. If interested in the World's Best Bronze write your wants. We will please you at right prices with the best exhibition and breeding birds ever offered.

Madison Square Garden, New York, 1913. Our seventh consecutive year of winnings at this great show again surpasses all former records by taking all four first prizes and three second prizes, Display prize and all specials. Write your wants. Catalog for stamp.

BIRD BROS.

BOX C

MEYERSDALE, PENNSYLVANIA

# IDLEWOOD POULTRY FARM

THE MOST TALKED OF POULTRY PLANT IN THE COUNTRY

BREEDERS OF

Single and Rose Comb Rhode Island Reds and White Orpingtons

We are prepared to furnish the CHOICEST QUALITY IN STOCK, EGGS FOR HATCHING and DAY OLD CHICKS. Our stock was exhibited this year at the great Pittsburgh and Erie Shows. Our winnings were as follows: SINGLE COMB RHODE ISLAND REDS, 1st, 4th, 5th and 7th cockerels; 1st and 8th pullets; 1st, 2d and 6th pens; 3d and 4th cocks; 4th hen; 4 Specials for type and color. ROSE COMB RHODE ISLAND REDS, 1st, 2d and 3d pullets; 2d and 7th cocks; two Specials for type and color.

Day Old Chicks from our Exhibition and Utility Stock a Specialty

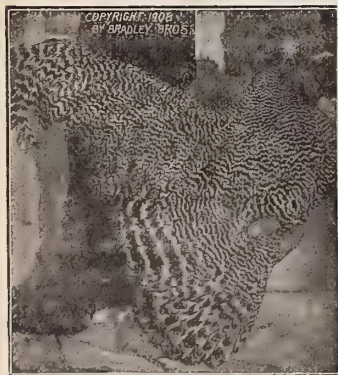
Our hatchery is one of the largest in the country, having a capacity of 100,000 chicks. We are now booking orders for Spring delivery.

WRITE US FOR FURTHER INFORMATION AND CATALOGUE

IDLEWOOD POULTRY FARM

SWANVILLE, PA.

BRADLEY BROS. WIN FIRST AND SECOND PRIZES  
BARRED ROCKS  
BRADLEY BROS. AT THE LAST MADISON SQUARE GARDEN SHOW  
LEE, MASSACHUSETTS



World's Champion of 1906  
Our \$2,000 Male

Winner of First Prize and Sweepstakes Special at New York's Greatest Barred Plymouth Rock show, nearly 500 line. Sons were Winners in several shows, including New York and Boston.

Our Awards Were: 6 Prizes on Males; 3 Prizes on Females; Both 1st and 2d Yards; \$25.00 Cash Special for Best Display. (Won by nearly double the points of the closest competitor); also Silver Cup for Best Pen.

29 of our "Lee Belle" Line of Females have been First Winners at New York Show alone.  
59 Winning Males at New York Shows have been bred by us.

Four 1st, four 2d, three 3d Prizes besides other awards have been won by us at a single Madison Square Garden Show.

THREE TIMES have Males of our breeding won FOUR OF THE FIVE PRIZES offered in the class, including Firsts.

FOR SALE—Show Birds and Breeders—As Fine a Lot of Chicks As We Ever Offered. Large Vigorous Specimens Bred from Our BEST PRIZE LINES and Suitable for Any purpose. Prices according to grade. Selections made for buyers' individual needs.

Buy Our Best Grade If You Wish to Breed Successfully.

BRADLEY BROS. : BOX 909 : LEE, MASSACHUSETTS

(ILLUSTRATED CIRCULAR FREE)



# CARVER'S RED FARM

We are not showing this season, but our customers are, and report big winnings everywhere and in the largest shows. These reports, together with our big winnings the past year, stamp **Queen Quality Reds** the blue ribbon strain. Our old live and let live prices for hatching-eggs from our special matings so popular last season will be maintained. We have a pleasant surprise for our egg customers this season—Eggs will go forward in the **finest shipsafe** made, and by **Parcels Post** or **Express**, as requested.

A. A. CARVER : LOCK BOX 2 : SEVILLE, OHIO

## HICKSON'S BARRED PLYMOUTH ROCKS

WIN AT THE NATIONAL CLUB SHOW --:-- CHARLOTTE, NORTH CAROLINA, 1913

The greatest record ever made at any Club Show was won by my birds January 10—14, 1913, at the Barred Rock Club annual meeting show in a sensational class of quality, the largest and best ever had in the South. I won Cocks, 1, 3; Hens, 1, 2, 3, 5; Cockerel, 1st; Pullets, 2, 4, 8; Pen, 2d; Pullet Bred Cockerel, 3d; Cockerel Bred hen, 1st, and more points than all others combined. My **First Prize Cockerel** also won Special for color, Special for best cockerel in the American class, and the **Sweepstake Special for best male bird in the show**. This line has been bred for nearly 20 years, and for years has won at the Virginia State Fair and other leading shows of the South, proving them of the richest quality and producing lines. Stock for sale. Eggs for hatching, \$5 per setting from my choicest matings. Circular free. Write me your wants. Absolute satisfaction assured. Mention American Poultry Journal.

M. B. HICKSON --:-- BOX 4 --:-- LYNCHBURG, VIRGINIA

BABY CHICKS—U. R. Fishel's White Plymouth Rocks the Best in the World

# Hip! Hip! Hooray!!



### Chicago Winners!

At this, the greatest of all Barred Rock shows, in December, 1912, (please note the date) in the fiercest battle of giants ever seen at this show, in competition with the best that New England and the east could produce, birds of

### ARISTOCRAT

BREEDING WON

### FIRST PRIZE

This feat was accomplished by one of my customers, and demonstrates again the truly superb quality which those breeders obtain who purchase and breed **Aristocrats**.

**First Prize** at the great American Royal Show was won by Messrs. Pate & Pate, Kansas City, Mo., on an **Aristocrat male**, in Oct., 1912. On Dec. 12, 1912, (mark the date) one of my customers, M. M. Smith, Abingdon, Va., made a clean sweep at one of the leading early shows of the east with **Aristocrats**, winning **4 1st prizes** in very strong competition. Think this over.

I have over 900 show birds which will be ready to win in January and February shows. Place your order if you want a winner.

Eggs from highest quality individual specimens, \$10 per 15.

W. D. Holterman, Fancier, Box A, Fort Wayne, Indiana





"Ringlet," 1st Prize and Champion Cockerel, 1st Prize Cock and 1st Prize Pen Cockerel at Madison Square Garden, New York, Winter 1910-1911.

The Three Greatest Living Barred Rock Males

# E. B. Thompson's Imperial "Ringlet" Barred Plymouth Rocks

Win the most wonderful record beyond all precedent in Barred Rock history at the imperial and most classic show of all America—Madison Square Garden, New York—this winter of 1913. See pages 304 and 305 for this unprecedented achievement unequalled in the annals of Madison Square Garden history.

My Imperial "Ringlets" won more first, regular and special prizes than any exhibitor of any breed.

To produce the first prize cockerel and champion male and first prize pullet and champion female in a single year, and win the two greatest prizes in the world at one New York Show has never before been accomplished by any living Barred Rock breeder.

A prominent eastern breeder said: "Mr. Thompson, I will give you \$1,000 for your first prize cockerel!"—\$5,000 would not buy him.

Theodore Hewes, the judge and editor, said: "No Barred Rock breeder ever saw such a cockerel nor did they think any such a bird could ever be produced."

## My Whole Exhibit Wore the Distinctive "Ringlet" Barring

For 25 years at New York my "Ringlet" victories have been complete; my clean sweep of 1st, 2d, 3d, 4th and 5th prizes on pullets has never been approached in Madison Square Garden and stands alone and unequalled.

The Imperial "Ringlets" are the standard by which all other Barred Rocks are judged. To meet success in winning prizes you must have my birds and eggs.

I will sell my grand exhibition birds for any show and breeders of this richest first prize New York blood.

Richly illustrated 70-page catalogue upon request, it is full of original pictures of New York winners from life.

**Eggs** From the finest exhibition matings in all the world, \$10.00 per setting; four settings, \$35.00: one hundred eggs, \$60.00.

See My : : *E. B. Thompson* Lock Box 510, Amenia, New York  
Other Ads

# A. C. HAWKINS' ROYAL BLUE BARRED ROCKS SWEEPSTAKES CHAMPIONS AT New York, Boston and Chicago



"ROYAL BLUE" First Prize Sweepstakes Champion Cockerel at New York.

They have produced the winners at the World's Greatest Shows for 25 years, and at the Great New York Show, 1911-1912, made a **WORLD'S RECORD**, winning six out of eight prizes awarded on Barred Rock Cockerels, including First Prize and Sweepstakes Silver Cup for Best Cockerel, and Grand Special Prize for Best Cockerel Mated Pen.

AT CHICAGO, Dec., 1912, in a class of over 400 Barred Rocks they won Four First Prizes and the **GRAND SWEEPSTAKES CHAMPIONSHIP \$100.00 CUP** for the Best Display of Barred Rocks. My White Rocks and Columbian Wyandottes have won more prizes at New York and Boston than any other strain and have no superiors.

**2000 CHOICE EXHIBITION AND BREEDING BIRDS** for sale at honest prices. Finely illustrated Catalog of the World's Champions Free.

**A. C. HAWKINS**  
LOCK BOX 25, LANCASTER, MASS.

## EGGS

FROM THE  
"ALL STAR" Matings

1 Setting	- -	\$10.00
2 Settings	- -	18.00
3 Settings	- -	25.00
100 EGGS	- -	50.00

BARRED ROCKS  
WHITE ROCKS  
COLUMBIAN WYANDOTTES  
There Are None Better.

## THE BIG QUESTION

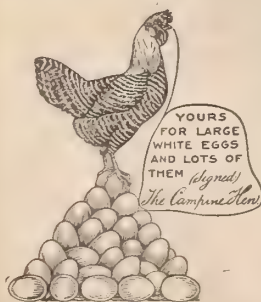
Why do I, after nearly 20 years of breeding and experimenting with many varieties recognized in the American Standard, now recommend and breed exclusively the

## CAMPINE FOWL

and call them "living egg machines?" Because I do honestly consider that they have in them six characteristics to a greater extent than any other breed of fowls in the world today. 1: Prolificacy; 2: Size of eggs; 3: Number of eggs laid; 4: Hardiness; 5: Small amount of food consumed; 6: Last but not least, their beauty. Now won't you let me tell you more about this wonderful fowl, which are living money makers for me? Remember, it will only be a pleasure.

NOTICE: Campineology (second and greatly revised edition) will be off the press early in January. It will be a work of art and an encyclopedia on the Campine fowl, showing colored cuts and many illustrations. Ten cents to pay postage will be appreciated. For Sale: I have a few birds left that I can afford to part with.

J. Fred N. Kennedy : : Box F : : Birch Cliff, Ontario, Canada



Kennedy's Improved  
Champion Strain of  
Silver and Golden

## Campines

The fowl with a character all their own



FOR TABLE OF CONTENTS SEE PAGE 465

CARVER'S RED FARM, Seville, Ohio, SEE AD ON NEXT TO LAST PAGE

## Golden and Silver Campines and White Faverolles

Egg orders booked now. No stock for sale. Mention A. P. J. when writing.

Aug. D. Arnold : Box 777 : Dillsburg, Pennsylvania

Harrison's Royal Red S. C. Reds  
Keep Winning

After winning the greatest number of points ever made at Chicago on special best display, December, 1912 (note the date), the total being 87, or, in other words, more than any other exhibitor ever won at this colossal show, AND WINNING IN EACH ONE OF THE SIX DIFFERENT CLASSES, A FEAT THAT HAS NEVER BEFORE BEEN ACCOMPLISHED BY ANY RED BREEDER, their winnings being numerated thus: 1st, 3d and 4th Cock; 2d and 3d Hen; 1st, 2d and 3d Pullet; 4th Cockerel; 1st and 2d Old Pen and 1st Young Pen. They go to Indianapolis AND MAKE THE GREATEST VICTORY EVER MADE ON R. I. REDS.

Royal Reds win 1st, 2d, 3d, 4th and 5th Cock; 1st, 2d, 3d and 4th Hen; 1st, 2d, 3d and 5th Cockerel; 1st, 2d, 3d, 4th and 5th Pullet; 1st, 2d, 3d, 4th and 5th Old Pen; 1st, 2d and 3d Young Pen and the ONE HUNDRED DOLLAR CHALLENGE CUP OFFERED BY THE ASSOCIATION FOR BEST DISPLAY.

ROYAL REDS won a total of 167 points on best display, while the combined amount of all competitors was but 11 points.

NOTE:—I recently made the purchase of 1st and 2d Chicago Cockerels from Mr. Ricksecker and now have in my yards every first prize winning male at Chicago, 1912.

My special inducement on eggs gives you an opportunity to secure them at less than half the price you have paid for this quality other years.

My free catalogue describes the best matings ever put together and explains the egg inducement. Free for the asking.

F. E. Harrison - Box 30 - Menominee, Michigan

HITCH UP WITH "TECKTONIUS" AND HIS  
UNSURPASSABLE "BUFF LEGHORNS"

AND BE A "TOP NOTCHER" IN THE POULTRY BUSINESS

No such aggregation of "prize winning" and "prize laying" characteristics have ever before been embodied in any one breed—evolved by any one breeder—as in the

"Tecktonius" Strain of S. and R. C. Buff Leghorns

"One Swallow Don't Make a Summer"

Neither does a win, now and then at some minor show, make a "prize winning strain," as a winner is bound to show up occasionally in any poultry flock.

Tecktonius "Sweeps the Boards"—Anywhere—All the Time

But when "Tecktonius" and his world-renowned "Buff Leghorns" enter a show—or an egg laying contest—they clean the boards; not occasionally, but all the time; not in some of the minor shows, but at all the big shows—against all the big competitors. I challenge anyone to show an equally as brilliant record.

Seven Years Straight Winnings

These "clean sweeps" for seven consecutive years, in the big exhibition arenas—in competition with the world's best—shows "Tecktonius strain" of Buff Leghorns to be wonderful birds—shows Tecktonius to be a Master Breeder.

World's Best General-Purpose Fowl

A 252 egg record—combined with six years brilliant array of wins—indisputably stamps the "Tecktonius strain" of Single and Rose Comb Buff Leghorns as the world's greatest "general purpose" fowl.

"Tecktonius Strain" Make You a Winner

Incorporate the "Tecktonius Strain" in your flock and you, too, will get in the poultry business RIGHT—you will have birds that will put you in the front rank in all contests—exhibition and egg laying—and keep you there.

You'll Win Fame and Fortune Breeding Poultry with My Buff Leghorns

F. A. Tecktonius : Route 7 : Racine, Wisconsin

See Remarkable Offerings Below

Now is the time to prepare for the future by taking advantage of some of these remarkable offerings, listed below, of "Tecktonius" Famous Stock. Mailing lists now ready—be sure and get a copy.

## Mating Hatching Eggs

Single or Rose Comb Special Exhibition Mating, \$25 per setting of 15 eggs. 252 egg record.

Single or Rose Comb Exhibition Matings, \$10 per setting of 15 eggs. 252 egg record.

Single Comb Utility Matings, \$2 per 15 eggs—\$6 per 50 eggs—\$10 per 100. 252 egg record.

## Baby Chicks

Single Comb Chicks from farm range flock, of good type and color, \$5 per 12—\$15 per 50—\$25 per 100. 252 egg record. No chicks for sale from pen matings.

## Breeding Stock

I still have several splendid bargains in Single Comb Trios and Pens, mated for best results—at \$15, \$25 and \$35 per Trio or Pen.

## Utility Breeders

I will mate 12 well matured Single Comb Buff Leghorn Hens or Pullets, to a vigorous male, for \$25. Here's a bargain for stock having a record of 252 eggs per head.

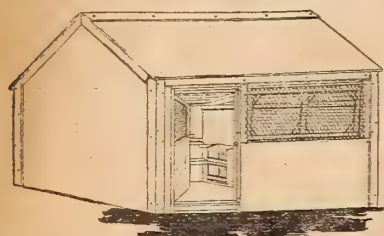


**Know Your Hens on Sight**

Successful breeding depends upon knowing your fowls at sight. The

**SPIR-OL**  
TRADE-MARK  
**LEG BANDS**

Are made in six colors and give you 120 combinations. They are indestructible and can be slipped on and off like a key ring. Cannot drop off. Sample free if you send your dealer's address. Retail prices—25c a dozen, 50c for 25, 85c for 50, \$1.50 for 100. Pigeon and baby chick bands, 20c a dozen, 25 for 35c, 50 for 60c, 100 for \$1. P. S. RIGGS : WHITE PLAINS, NEW YORK

**COOP FOR 12 HENS, \$10.00****6 ft. x 8 ft. Portable House, \$15.00**

Colony Houses, Oat Sprouters, Shipping Coops, Grain Chests, Yard Gates, Nests, etc., Write for free circular showing twenty different cuts.

E. C. YOUNG BOX CO., Randolph, Mass.

**Partridge and Buff Cochins, Buff-Laced and Golden Polish.**

Eggs, \$5 per 15. Stock for sale. Prize-winners 30 yrs

Dr. H. F. BALLARD

Importer, Breeder and Judge

CHENOA : : : ILLINOIS

**EGGS**

From my Madison Square Garden, Philadelphia, Pittsburg winners, \$10 to \$3 per 15. Illustrated catalogue free.

**ELLIS S. SHELLY**  
Box 2436, Williamsburg, Pa

**The Improved Champion Leg Band**

Aluminum only; two sizes; adjustable to fit any fowl. Held by double lock. Can't lose off. Postpaid 12-15c; 25-20c; 50-35c; 100-60c. Initials 10c per 100 extra. 50 or less 5c. Also Pigeon Bands.

T. CADWALLADER, Box 1302 Salem, Ohio

**ROSE COMB WHITE ORPINGTONS**

Coming boom breed. Mention A. P. J. : E. O. Heaton, Scircleville, Ind.

**HOUDANS**

"WORTH WHILE" The greatest utility chicken on earth. Absolute non-sitters and lay big white eggs. I guarantee winners for any show. Stock, eggs and baby chicks. Write for mating list which is free. Mention A. P. J.

Dr. G. G. Bilman : 309 Second Street : Evansville, Indiana

**BARRED ROCKS** **FIRST PULLED BUFFALO 1913**  
**1st PULLED ROCHESTER 1913**

My Barred Rocks have won at our two best State Shows against the best of competition. At Buffalo, cock 5th, pullet 1st and two cups. Rochester, cockerel 2nd, cock 5th, pullet 1-5, pullet bred cockerel 3rd. Color and Shape Special on female. Eggs for hatching, \$3 & 45. Selected breeders for sale. Write me.

JOHN B. WEIG 179 Eaton St. BUFFALO, NEW YORK

**PARTRIDGE ROCKS**

Erin Strain—Four grand pens mated for season's egg trade, including 1st prize winners at Atlanta, Ga., Pittsburgh, Pa., and Chicago. Write for show record and mating list.

W. O. LYLE & SON : : GNADENHUTTEN, OHIO

**GOLDEN AND BUFF WYANDOTTES**

1st Cock and Champion Male. Chicago, December, 1912, heads one of my pens this year, and many other males of equal quality. Eight pens of Golden and two of Buffs. Write for my list now ready. Mailed at once upon receipt of 2-cent stamp for postage.

J. S. PENNINGTON - Box A - PLAINFIELD, ILL

**ARDMERE FARM****S. C. W. Leghorns - Pekin Ducks**

WRITE FOR PRICE LIST

FRANK E. BOYLE, Prop. - Box 2 - OCONOMOWOC, WIS.

**Pensyl's White Orpingtons**

Win at Bloomsburg, Allentown, Scranton and Madison Sq. Garden, N. Y. Write for winnings. Eggs \$3 and \$5 per sitting. Headed by males that win \$100 Orpington Challenge Cups.

C. L. PENSYL : : BLOOMSBURG, PA.

**Portable Poultry Houses and Brooders**

Built on Honor and Sold on Their Merits

This house, 8x10 foot	- - - -	\$45.00
" " 6x 8 foot	- - - -	30.00

Complete with Nests, Roosts and Drop Boards. Send for Catalogue.

Dyer Portable House and Mfg. Co., 4433 N. 40th Ave., Chicago, Ill.



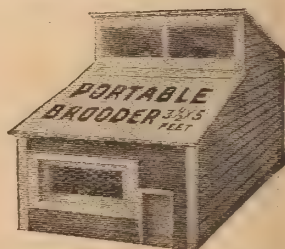
A Swarm of B's, A Pod of P's, A Few Fat F's and some A. B. C's. What will they Bring you? Big White E-GG's.

BEAUTIFUL BUTTERCUPS, the Buff and Black Business Breed. Believe me, the Buttercup Boom, just beginning, will Bring Big Business to all Breeders of Better Buttercups.

Get Posted on the Permanent Pleasure and Prospective Profit Promised Persistent People.

For Free Folder Full of Forceful Facts Fall not to Address

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OUR TENTH SEASON—Day-old chicks for sale. Sixteen leading market and egg laying varieties, also strictly utility and show birds. Catalogue free. Prompt replies. Prompt shipment. Please mention American Poultry Journal when writing.

G. H. Kichline, Proprietor, Dept. A, New Washington, Ohio





**PERKINS' PARTRIDGE PLYMOUTH ROCKS**EGGS FOR HATCHING—20 PENS MATED FOR THE TRADE. 1 pens, \$40; 3 pens, \$30; 7 pens, \$10; 6 pens, \$5; range flock, \$3 per setting.  
Beautiful mating list containing colored insert of pair of fowls free.

F. N. PERKINS

22 HARLEM ROAD

FREEPORT, ILLINOIS

# IMPORTANT NOTICE

I have recently accepted the position as manager of Flanders' White Leghorn Farm, Pontiac, Mich., owned by Walter E. Flanders. I have sold all my stock to Mr. Flanders, including my prize winners and utility stock. This poultry farm covers about 35 acres and is one of the finest and best equipped plants in the country. I wish to thank all my customers for their liberal patronage and to assure both these and all those who desire stock or eggs, either exhibition or utility, that we are in a position to fill your order to your entire satisfaction. Our catalogue and mating list is free.

**Flanders' White Leghorn Farm : Robt. Parmenter, Mgr. : Orchard Lake, Mich.**

# Fishel's White Wyandottes

**ARE THE PERFECTION OF PERFECT BREEDING**

**For Many Years** they have been winning and producing the winners at the leading shows wherever exhibited.

**If You Want Stock, Eggs or Baby Chicks, We Can Supply You**

Our strain is not only pure bred but line bred, and is well known throughout all civilized countries as

**THE WORLD'S BEST**

Our prices are most reasonable, high quality considered.



LIKE  
BEGETS

LIKE

PULLET



COCKEREL



HEN



COCK



**Why Experiment**

When you can have the benefit of our years of careful breeding and mating and begin with the best and at the front.



## Our New Catalogue

This book has cost thousands of dollars to publish, and years of experience. It has chapters on Practical Methods, Profitable Results, Poultry Keeping in the City, White Wyandottes as the Most Profitable Fowl, The Specialist, and What It Means to You, Fisheldotte, the Home of the World's Best White Wyandottes, The World's Best—Why Our Birds are Entitled to the Name, Open Air Houses and How to Build Them, Baby Chicks and How to Raise Them, Natural and Artificial Incubation, Practical Poultry Pointers; in fact, every branch of the poultry business is covered in this great book. We will be pleased to mail you a copy on receipt of 25 cents in stamps or coin. Our illustrated price list free.

**J. C. Fishel & Son, Box J, Hope, Indiana**





Exhibit of  
Robert Essex Incubator Co.  
At International Poultry Show  
AMERICA'S LARGEST LINE OF INCUBATORS & BROODERS

## See All These Incubators In Our Free Catalogue

America's Largest Line—Offers You Big Choice—All Sizes—All Prices—All Superior

If you could only call at our factory and see the Superior manner in which these machines are made—every one of them—and then compare our prices with others, you would say "Give me the Essex-Model." I know you would. But you can see them nearly as well in our Free Catalogue which fully illustrates and describes how every part is made.

### You Can Get Our Factory Prices

by writing us just the same as you could by calling at the factory. We Guarantee that our Machines shall reach your Railway Depot in good order. We have Storekeepers all over the country who will be glad to show our machines. There is probably one near you. Write us, and we will send you his name and address.

Many leading breeders have seen our exhibits like the above photograph, at New York, Boston, and other shows, and have said "You have the best Incubators and Brooders that are made." You cannot make a mistake ordering an "Essex-Model" so well known throughout the world. They cost no more than others. They are in use on Experiment Stations

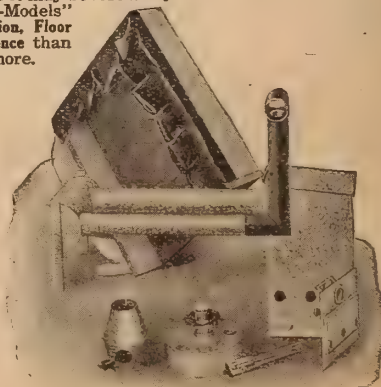
and on leading poultry farms. If you order today, we will ship promptly. Get your chicks hatched early and "make good."

There are many kinds of Brooders illustrated and described in our Free Catalogue—some for Outdoor use, some for Indoor—some for both. Some are sold with an outside wooden case; others without the case. Those without the case consist of metal heating parts for use in brooding houses, piano boxes or any other house. The photographs below show one of each kind. There are none so well made, so practical, and at the same time so low-priced as these "Essex Models." Our Free Catalog gives full information about all these different kinds.

While it is very important to be careful in buying an incubator, it is just as important to choose a Brooder. Most persons who fail to raise poultry profitably do so because they lose a lot of the chicks with poor brooders.

### Don't Lose Your Chicks After They Are Hatched

That is a sure way to lose money. Don't figure on saving a dollar or two when buying a brooder, because it may be lost many times over in the number of chicks that die. The "Essex-Models" give more Light, Heat, Ventilation, Floor Space, and Labor-Saving Convenience than any other make, and cost no more.



Essex-Model Portable Hoyer. Includes lamp box and lamp, thermometer, heat drum and pipes, wooden hover and curtain. All complete. Nothing more to buy. Cheapest, best ever made. Only \$7.50

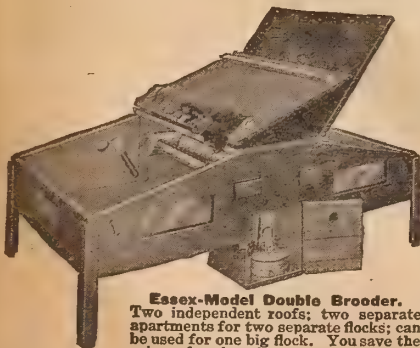
### You Cannot Afford to Buy a Poor Brooder

We offer you the largest choice, and every one down-to-date. Real scientific chick-mothers. We can truly say that the Essex-Model Brooders and Hovers are the only ones built along such practical lines as enable you with least trouble to "See Every Chick Every Day"—the Secret of Success. In other brooders you have trouble in seeing the chicks under the hover. The "Essex-Models" are down-to-date, built by practical men.

Our FREE CATALOGUE tells you all. It contains 30 Photographs of New Poultry Houses in use on Experiment Stations throughout the country, with measurements and cost; and Five Chapters written by Mr. Essex himself, entitled "Making the Most From Poultry"—"How Money is Made From Standard-breeds and Farm Hens"—"When You Start, Start Right"—"Health and Disease in Poultry," etc., etc. Write for it today. Address nearest office.

### Robert Essex Incubator Co.

3 Henry Street, BUFFALO, N.Y.  
67 Barclay St., NEW YORK CITY



Essex-Model Double Brooder. Two independent roofs; two separate apartments for two separate flocks; can be used for one big flock. You save the price of a brooder on every one you buy. Only \$10.



## MUNTZ'S S. C. WHITE LEGHORNS

win again in hottest competition. Chicago, Springfield and Elgin. Eggs from pens headed by these noted winners: \$3, \$5, \$8, and \$10, per setting of 15. Bred to lay, utility, \$1.50 per 15, \$2, per 30. Choice breeding stock at prices that will be of interest to you. If you want birds of quality, or eggs for hatching, write me, I can supply you. Satisfaction assured. My mating list is now ready, send for it.

HARRY A. MUNTZ

565 SPRING STREET

ELGIN, ILLINOIS

BUFF AND WHITE SINGLE AND ROSE COMB

## ORPINGTONS

Our catalogue for 1913 is ready. It will interest you if in need of stock or eggs. Special prices. Stamp appreciated. Mention A. P. J.

J. M. Williams &amp; Co. : Box D : North Adams, Mich.

## Ideal-Hover

## NEAT—HANDY—SAFE—DURABLE

Just set on the floor anywhere, light the lamp and in 20 minutes you have as good a chick Mother as money can buy. Pick it up and carry any place with lamp burning. **HEATER:** Our Duplex or Double Drum hot air Heater will produce 15 per cent more heat from the same amount of oil than any single drum Heater used in others. The Des Moines Seed Co., Des Moines, Iowa wrote us that the Ideal heat up the best of any Hover they had ever experimented with. **LAMP:** Our lamp will never cause trouble by smoking. Oil cannot become overheated as oil fount is on outside of Lampbox feeding oil to wick just as needed and just enough to keep it covered all the time. Lamp flame always in plain view. Lamp removed or pushed in place with one hand. The Ideal is 24 inches in Diameter, all metal but Double Curtain, has no Hot Center, and will brood 100 chicks. **GUARANTEE:** We will refund money if not entirely satisfactory. **SPECIAL NOTICE:** On account of Galvanized Iron and other products used in its Mfg., advancing in price, we have put the price to \$6.00 freight paid on two or more East of Rockies; \$7 freight paid on 3 or more west of Rockies. It is still from \$1 to \$2.50 cheaper than others, and the price will never be changed again, unless something extraordinary happens. Upon receipt of \$1 we will ship by Express C. O. D. to be examined. Freight allowed on two or more. Don't buy another Hover until you see our illustrated Circular; we can interest you. Don't fail to mention this paper.

DUPLEX INCUBATOR CO.,  
TREMONT CITY, OHIO.



## Chick Success

The raising of chicks is not difficult when conditions are right. Try our way, and make this your most successful season. Feed

**Pratts** Baby Chick Food

for the first three weeks. No feed on earth will give the youngsters such a vigorous start, and the cost is but 1c per chick.

In boxes and bags, 25c up

**Pratts** White Diarrhea Remedy

25c 50c

prevents and cures the bowel troubles which are so common and cause such heavy loss. Just drop the tablets in the drinking water for all broods up to one week of age.

**Pratts** Poultry Regulator

should be mixed with the daily ration after the third week. It induces rapid growth and early maturity by keeping the digestive system in perfect condition.

25c, 50c, \$1; 25-lb. Pail, \$2.50

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Ask no security—  
Ship on 30 days' trial—  
Give extra time when wanted.

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You can order from us whatever you want for your home on 30 days' free trial. If you wish to return it, we pay freight both ways. We sell you on credit, without any security, any red tape or publicity. No interest, no extra price.

We guarantee to save you, and give a bond to save you, from 15 to 50 per cent.

We will let you pay as convenient—a little each month—by saving a few cents daily.

We have no collectors—you remit as you can by mail. If anything happens—sickness or loss of work—we will give you extra time.

## A Million Do It

Don't say that such terms are impossible. A million people get them from us now.

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Our Spring Bargain Book pictures 4,782 things for the home, many in actual colors. This mammoth book, with the mailing, costs us \$1 per copy. Write us for it—now, before you forget it. A postal card will do. We will then mail this big book free. (392)

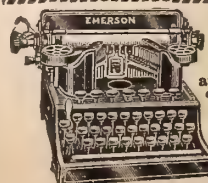
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May, Stern & Co.**

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## FOR POULTRYMEN

When in need of Letter-Heads, Envelopes, Note-Heads, Shipping Tags, Business Cards, Post Cards, Circulars, Folders, Etc. Get our samples and prices before you place your order. FINE CUTS USED. We pay the Express charges. Samples cheerfully sent FREE. (Mention your breed.)  
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Show this wholly visible typewriter to your friends and let them see wherein it excels any \$100 Typewriter made, if we would send one to you Free of One Cent of Cost for you to keep forever as your own? Then on a postal card, or in a letter to us, simply say: Mail particulars.

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# CANDEE

## Still Time to Install This Season

**Candee Sectional Incubators Can Be Set Up Nearly as Quickly as Small Machines.**

### *The Proof Multiplies.*

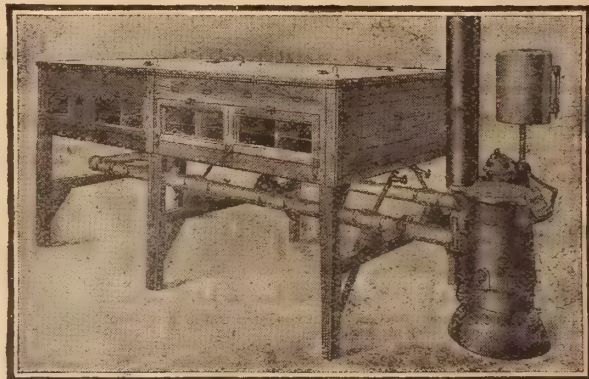
*All over Long Island the Candee duck machines are running.*

*They are hatching stronger and better ducks and larger percentages.*

*In New Jersey, Massachusetts, Vermont, Ohio, etc. the 1913 Candees are hatching thousands of chicks.*

*The operators are enthusiastic over their results—no sleepless nights—no worry or watching*

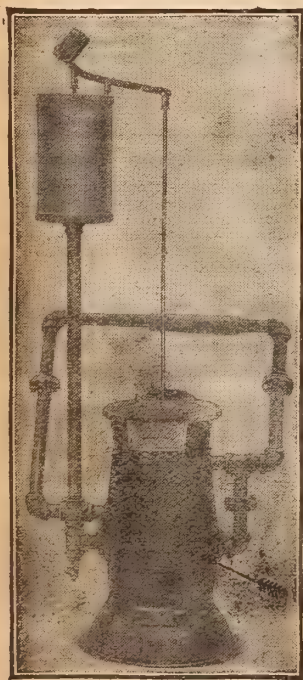
*In one case the operator did not make even one adjustment on the thermostat during the entire hatch.*



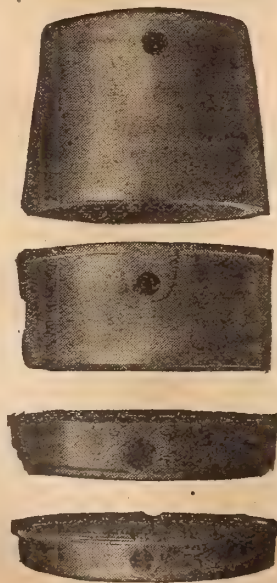
1200-egg Four Compartment Candee Incubator. Each compartment is a separate machine, operated like the small incubator. One heater takes the place of the oil lamps. Other sizes up to 20,400 capacity.

## Wire Your Order at Our Expense

**Candee Hot Water Brooding System is the simplest and safest,—cheapest to install and to operate for from 300 chicks upwards**



Enlarged Brooder Heater  
Arrow shows the extra ring in place.



The Extra Rings  
They make it unnecessary to buy a new heater for extra hovers.

### Adjustable Hovers

They give just the *degree of heat* you want.

Turn them up, like a piano stool, to reduce the temperature. Lift them off at any point.

No crowding of chicks—all get the heat they want.

Easy to clean and at a convenient height for work.

### 12 Sizes of Heaters

Buy just the size you need. The *Heaters* are sectional and when you add more hovers, put an extra ring in the heater. They grow with your business.

**Write for our Free Catalogue telling all about Incubators and Brooding Systems.**

**Candee Incubator & Brooder Co., Dept. 2, Eastwood, N. Y.**

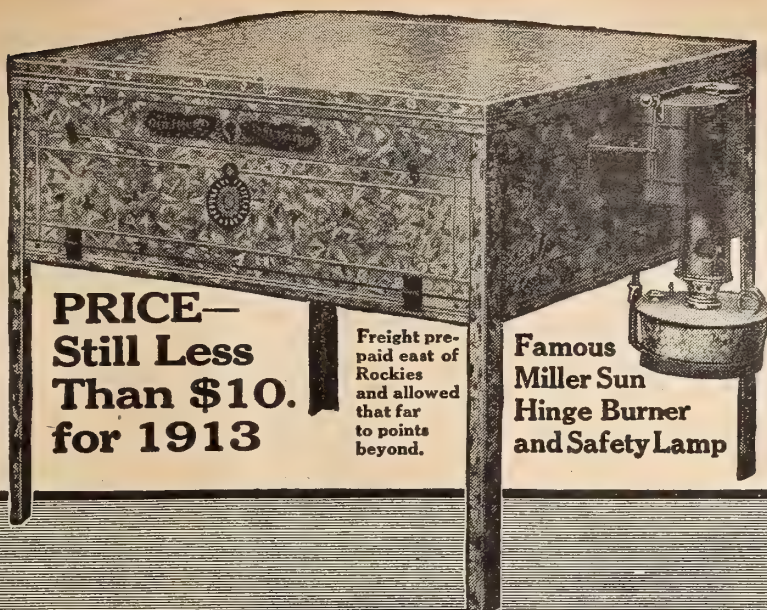
**The Only Incubator Company Who Manufacture Their Own Heaters.**



## Read This:

Mr. Earl Holladay,  
Payson Utah,  
writes:

"On April 7th I had 133 chicks from 138 fertile eggs. Out of the 5 eggs left, two were pipped but the chicks died in the shell, evidently too weak to get out. I always have a much larger hatch than any one around here. Please send me your price list. I want to get a larger Old Trusty some time between next fall and spring."



**PRICE—  
Still Less  
Than \$10.  
for 1913**

Freight pre-  
paid east of  
Rockies  
and allowed  
that far  
to points  
beyond.

**Famous  
Miller Sun  
Hinge Burner  
and Safety Lamp**

## Another One:

C. F. Bailey,  
Springfield, Vt., writes:

"I want one of your catalogs very much. I bought one of your 150 Egg Incubators last year second hand and like it the best of any incubator I ever used, and I have tried a number of different makes. The chicks are stronger. My last hatch was 105 chicks from 116 fertile eggs and lost only 3 of them. And when I buy another Incubator it will be an Old Trusty."

# Take the Johnson Path To Sure Success with Chickens

Whether you are a beginner or an "old timer"—you want to make the greatest possible success in raising chickens. More than 400,000 other folks—people just like you—men, women, boys and girls in *all* walks of life—have solved their incubator problem by purchasing an Old Trusty for less than \$10. from the Johnsons. Every one of these 400,000 has a good word for the Old Trusty and the Johnson people. First, because the Old Trusty has *made* good, and second, because the Johnsons treat their customers right.

## Famous Old Trusty—<sup>Less</sup> Than \$10.

The Johnsons have never made anything *except* high quality machines. If the Johnsons wanted to *skimp* on their incubator as some other manufacturers do, the Old Trusty could be sold for about \$7. and still net a profit. The description of the Old Trusty, as compared to other incubators, is *proof* of that statement. **The Old Trusty is sent out on 30 to 90 days free trial, freight prepaid east of the Rockies and allowed that far to points beyond—is guaranteed for 10 years, and 20 years if you say so.**

trouble—worry—or experimenting. Safety lamp and regulator fitted on at side—top clear for use as table in egg-testing. You don't have to put the Old Trusty together.

The Johnsons don't try to fool you. They *could* use cardboard instead of Redwood—they *could* use a galvanized iron tank instead of copper. They *could* use a cheap thermometer instead of a *good* one, a *frail* egg tray instead of a *strong* one. They *could* use a cheap lamp instead of one with the famous Miller Sun Hinge Burner. They *could* save a few cents here and there on *many* parts that you would not see, but which would *show* in the results and in the shortened life of the Old Trusty.

## Read This Description

The Old Trusty is simplicity itself—absolutely self-regulating and guaranteed to give 75 per cent or better hatches. The Johnsons don't claim 100 per cent hatches every time because it isn't true. They do claim that you will get better *average* hatches with the Old Trusty than with any other.

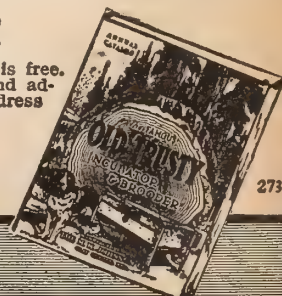
The Old Trusty is triple-cased throughout—inner case of high-grade 7-8 inch powder-dry California redwood—middle case of highest grade asbestos—fire-proof insulation—outer case, legs and all, of galvanized metal—equipped with guaranteed-not-to-leak 10-ounce cold-rolled copper tank and heater—indestructible—can't warp, swell, or open at the seams—with best thermometer, egg-tester, trays, and instructions—ready to run with sure results by anyone—no

## A Real Love Story About Chickens

All the facts about the Old Trusty are told in the Johnsons' 1913 book—sent free, One poultry raiser called the Old Trusty Book "A Real Love Story About Chickens." It tells why anyone else would have to charge nearly double Johnson's price for an incubator that would not come near equaling the Old Trusty. It tells how Johnson started with 65c and built up the greatest and largest business of its kind in the world. It tells why 400,000 Old Trustys have been sold—why they are making good and *proof* that they're making good. It shows hundreds of photographs.

## FREE!

The Old Trusty Book is free. Just send your name and address on a postal. Address



**JOHNSON—INCUBATOR MAN**  
CLAY CENTER, NEBRASKA

27336

## These People Have Brought a Billion Chicks Into the World

400,000 incubators mean a solid line about 150 miles long. Think of it! Lincoln said that you can't fool all the people all the time. The Johnsons might have fooled 1,000 or 5,000 on a poor incubator and 10,000 or 20,000 on a fairly good incubator, but you can be mighty sure of the high quality of an incubator bought by nearly half a million people—on 30 to 90 days' free trial! Get the Old Trusty Book free by writing Johnson a postal.





**30,000,000 CHICKS DIE ANNUALLY**  
My GREAT WHITE DIARRHOEA REMEDY will save them all. Try a FULL SIZE BOX FREE. Send only 6 CTS. to cover mailing.  
**THE COLEMAN COMPANY, Lexington, Ohio**

## Rider Agents Wanted

In each town to ride and exhibit sample 1913 bicycle. Write for special offer.  
**Finest Guaranteed \$10 to \$27**  
with Coaster Brakes & Puncture-Proof tires.  
**1911 & 1912 Models \$7 to \$12**  
all of best makes.  
**100 Second-Hand Wheels**  
All makes and models, \$3 to \$8 good as new.  
**Great FACTORY CLEARING SALE**  
We **Ship on Approval** without a cent deposit, pay the freight, and allow **10 DAYS FREE TRIAL**.  
**TIRES, coaster brake rear wheels, lamps, sundries, parts and repairs for all makes of bicycles at half usual prices. DO NOT BUY until you get our catalogues and offer. Write now.**  
**MEAD CYCLE CO. Dept. C-265 CHICAGO**

## Double the Value of Your Poultry Yard

Get a double profit from your poultry yard by planting fruit trees. Chickens eat insects and furnish fine fertilizer. For full-bearing fruit trees buy

**Green's Trees 500,000 For Sale**

Clean, healthy, hardy and true to name. Sold direct at half agent's prices. Sure growers—Northern grown 34 years experience. Green's 1913 Catalogue FREE. Two interesting booklets, "Thirty Years with Fruits and Flowers" and "How I Made the Old Farm Pay," sent free. State which.  
**GREEN'S NURSERY CO., 42 Wall St., Rochester, N. Y.**



## Lice Kill the Chicks

That sleepy-acting chick is infested with lice. Act promptly or you will lose the whole brood. Dust each chick with a very little Instant Louse Killer, and dust the hen **thoroughly**. When you next set a hen, do not fail to dust both hen and nest with this wonderful insecticide.

## Instant Louse Killer

is sure death to lice on poultry, horses, cattle, ticks on sheep, bugs on cucumber, squash and melon vines, cabbage worms, slugs on rose bushes, etc.; and is also a reliable disinfectant and deodorizer. Comes in convenient shaker-top cans and being a powder may be used winter or summer with equal convenience. **Sold on a positive written guarantee.** Be sure to look for the word "Instant" on can, as there are many imitators.

**1 lb. Can 25 cents** } Except in Canada  
**3 lb. Can 60 cents** } and extreme West

If your dealer cannot supply you, we will forward 1 lb. can by mail or express for 35 cents prepaid.

Manufactured by  
**Dr. HESS & CLARK**  
Ashland, Ohio  
Also Manufacturers of  
Dr. Hess Poultry Pan-a-ce-a

# CHICK REARING PROFITS

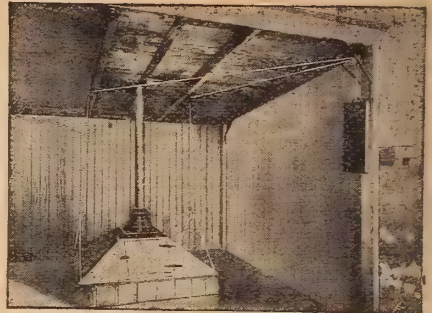
are the most elusive, and chick rearing losses the most discouraging features of the poultryman's calling.

What is the solution?

"Well Hatched chicks?"

Yes, that is necessary, and good food, of course. But why, with chicks from the same hatchery at the same price and food of the same quality and cost, do such remarkable differences appear in the "loss and gain" column of the ledgers of men who, judged by the appearance of their chicks, are equally good poultrymen?

Professor Rice ought to know. He does, and this is what he says: "The most expensive factor in rearing young chicks is the labor required to handle the large number of brooders when the chicks are kept in small flocks."



Hall Colony Brooder with Hover Down

## THE HALL COAL HEATED COLONY BROODER

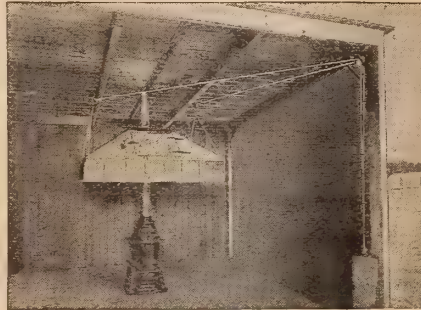
gives the chicks the essential comfort of ample heat combined with the vitality-building environment of all outdoors.

It reduces the fuel bill to a small fraction of the usual figure.

And, because it cuts out kerosene lamps, provides for flocks of from three to four hundred chicks, does away with extra floor levels, fixed hovers and little unsanitary boxes full of corners, the Hall Colony Brooder eliminates the unnecessary labor of chick rearing that has been the greatest stumbling block in the industry.

Write at once for our brooder booklet and prepare yourself to raise more and better chicks with less labor.

**THE HALL MAMMOTH INCUBATOR CO.**  
136 Southern Ave., Little Falls, N. Y.



Hall Colony Brooder with Hover Raised



## A Big Thing on the Farm

Old Dutch Cleanser saves work and time on the farm in dozens of ways.

Aside from its many good uses in the home where it takes half the work from housekeeping, it is invaluable in quickly and hygienically cleaning the dairy pans and pails. In the barn, harness and carriage sides and tops clean easier and better. Everything that requires cleaning calls for Old Dutch Cleanser. Nothing else will do the work half so well.

Many uses and full directions  
on large Sifter Can — 10c.

# Old Dutch Cleanser



"Loaned my copy and it was never returned. Please send me another."

"Taught me more about Poultry Raising and Standard Bred Poultry than I ever knew."

"Saved me \$10 the first shot."

"Your article for beginners is great."

"Every illustration absolutely true to life."

"Showed Me How To Make More Money."

"A practical text book."

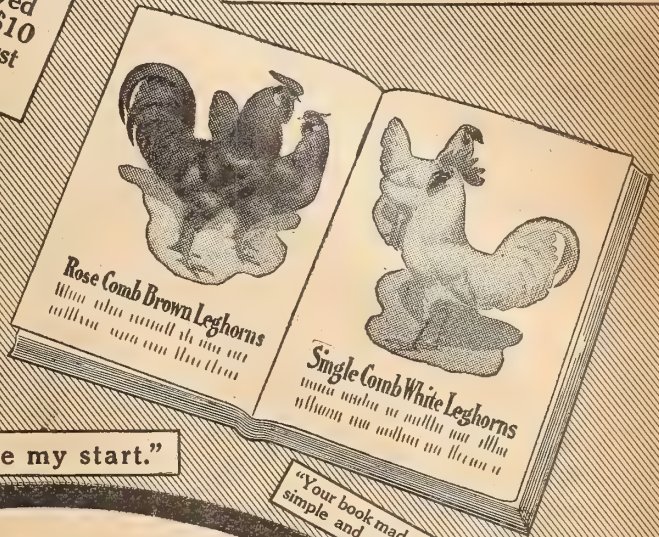
"Brimful of Helpful Hints"

"Told me just what I wanted to know."

"Gave me my start."

"Your book made everything simple and plain to me."

"Most interesting poultry book I ever saw."



## This Book Tells All About Poultry and Incubators

**Worth \$1.00 But Because It Contains Advertising You Get It Free**



**J. W. MILLER**

—Has Question and Answer Department and lists supplies and appliances that have given satisfaction to experienced, successful poultrymen.

This valuable book is not for curiosity seekers, but for men and women who are interested in poultry for pleasure or profit. The reason why I send it free is because it also tells all about my

If there ever was a book on poultry and poultry-raising that would pave the way to success in the business, this new big book of mine is the one.

Tells everything beginners and old timers should know:—

- Suggests what kind of foods to buy;
- Gives valuable information to beginners;
- Discloses the secret of my success—"How We Do It on Millhook Poultry Farm";
- Pictures and describes all kinds standard bred poultry;
- Gives coloring, habits, weight, etc., of different breeds;
- Quotes experiences of those who have "made good";
- Explains what remedies to use in time of need;

## IDEAL

### Incubators and Brooders

There are more chickens, sturdier chickens, greater profits for all in my "Ideal," than there is in any hatcher on the market.



### The IDEAL 240-Egg Size

**The Greatest Hatcher  
That Ever Came Out of  
a Factory**

You don't need to be an expert to run it.

It has a heating and ventilating system that *automatically* supplies required moisture;

—A regulator that will not allow temperature to vary a fraction of a degree;

—The best nursery advantages;

—The handiest egg tray;

—The most accurate thermometer;

—The record for successful hatches, etc.

Last year I sold this sure-profit-paying incubator at a price so low that I gained thousands of new customers. This year I'm going to keep up the good work and this is your chance to get my Ideal incubator at lowest figure ever quoted on an efficient, dependable hatcher.

### Here's My 1913 Offer

**I'll Pay the Freight—Give You an  
Unqualified Guarantee  
And Include Everything FREE**

—best safety lamp—burner, chimney, wicks, lamp bracket—all complete; also egg tester, egg trays, thermometer and thermometer holder, etc. There'll be no extras to buy. You will get the "Ideal" all ready for your eggs—all ready to make big money right from the start.

Before buying an incubator from anybody be sure to look into my IDEAL and learn the really low price I put upon it. Get the FREE book anyway, whether you are ready to buy now or not.

### Send Me a Postal—I'll Do the Rest

When writing, be good enough to mention whether interested in 60, 120, 175, 240 or 360-egg incubator. This will not obligate you in any way, but help me distribute my valuable book among those interested and not curiosity seekers.

This book is worth \$1.00 of anybody's money. You'll be glad you sent for it. Do it now—before you forget it.

**J. W. MILLER**

**J. W. Miller Co., Box 56, Rockford, Ill.**  
Also manufacturers of Ideal Grain Sprouters. Get prices

**J. W. Miller Co., Dallas, Tex.**  
**The Chas. H. Lilly Co., Western Dist.**  
**Seattle or Portland**

## NOTICE

I have a limited quantity of these books on hand, and so that you may be sure of getting one, please send me your name and address at once.

**—MILLER**



**PFIL'S 65 Varieties**

LAND and Water Fowls. Farm-raised stock, with eggs in season. Send 2c for my valuable illustrated descriptive Poultry Book for 1913. Write Henry Pfile, Box 600 Freeport, Ill.

**SALZER'S****Bonanza Assortment of Vegetable Seeds****16c**

Get this for your kitchen garden. For 16c postpaid. Worth 35c. Sure to please. 1 package each: Cabbage Carrot Okra Lettuce Onion Radish. Above collection and six big packages of choice flower seeds. 25c 12 packages in all.

or send 30c and we add the wonderful New Earliest Red Riding Hood Tomato—alone sells at 15c. Catalog and Premium List FREE. John A. Salzer Seed Co., 203 So. 8th St., LaCrosse, Wis.

**STRAWBERRIES****Grow Your Own the Kellogg Way**

KELLOGG'S BIG RED strawberry garden will produce all the strawberries your entire family can eat, summer and winter, at a cost of one cent per gallon. It contains extra early, early, medium and late varieties. All heavy fruiters. Berries extra large, sweet, and delicious. You can have fresh strawberries and cream, shortcake, preserves, jam and canned berries the year round. Help yourself and eat all you want. LET US RESERVE A GARDEN FOR YOU before they are all sold. Our special delivered price is less than \$3.00. This garden will yield about 500 quarts of berries each season, and with good care will fruit for three years. When it is time for you to make garden, we will deliver your plants prepaid, all pruned and ready for setting.

OUR BEAUTIFULLY ILLUSTRATED BOOK of instructions, our thirty years of strawberry experience and full information about the Kellogg Way of making a strawberry garden is yours for the asking.

R. M. Kellogg Co., Box 325 Three Rivers, Mich.

**Lee's****Egg Maker****GEO. H. LEE says:**

Start in with Egg Maker now. It furnishes the digestible protein hens require. Contains only elements needed for eggs or growth. 25c, 50c, \$2.00; 100 lbs. \$7.00. LEE'S LICE KILLER kills by fumes. Simply paint on roosts. 35c, 60c, \$1. Lee's White Diarrhoea Remedy is the best cure and preventive ever discovered. Price 50c.

**Avoid Roup, Colds, Cholera**

Germozone is the great remedy. Cuts chick losses 90 per cent. Improves health of all fowls. Destroys germs, tones system, aids digestion, gives appetite. Supply this "standard poultry medicine of the world" in drinking water twice a week. Agents in most towns. Ask for it. Sample sent for 6c. Lee's line of valuable books on Incubators and Supplies free. Write for them.

GEO. H. LEE CO.  
1101 Harney St.,  
Omaha, Neb.

**GERMOZONE****Only 50c.**

Postpaid.

# OWEN FARMS

## THIS YEAR'S WINNINGS

Owens Farms has just completed the greatest winning season it has ever experienced in its history. It has shown a large string of birds in all its varieties at Augusta, Atlanta (Georgia), Nashville, Memphis, Chicago and New York. We have won between FOUR and FIVE HUNDRED RIBBONS at these shows in the hottest classes and the strongest competition ever met by any one. These winnings have been made by practically different birds in each and every show, so that today never did Owen Farms, or any farm, for that matter, possess so many winning birds at one time as we have here now. The result is we have a large number of proven birds for sale. We also have brothers and sisters of these winning birds in large numbers for sale to improve the stock of any breeder in the country. For foundation stock I am positive that we can start you right and give you success from the very beginning.

Our prices on stock are always low when quality of birds is considered, and you can, if you wish, get from Owen Farms a little better quality for a little less money than you can from any other farm in the United States. One act on your part more than another that will help you in starting right is to give us an accurate idea of what you wish. So often we receive a letter asking us what we have in a certain variety, and the prices. Every one knows that the prices on thoroughbred poultry and foundation stock vary according to quality. If you would give us an idea of what quality you want and the price you want to pay, we can then describe and give you accurate statements and a proposition concerning just what you are wanting that we are sure you would approve. Nothing allows us to get so thoroughly in sympathy and touch with you as a buyer as a frank statement on your part of what you want.

**Eggs for Hatching**

We have said in our January advertising that this is going to be a great year for Owen Farms' customers. This is particularly true of all of its customers buying eggs for hatching. We have more winners in our pens, far better quality in the individual birds and better mated than in any previous season and that we shall in every case give astonishing results and winning birds as the result of our eggs this year we are far more confident than ever before.

Our mating list contains 75 pages. It is a book well worth having in your possession. Our catalogue and mating list of the previous year has 131 pages. Both of these are yours for the asking.

SEND FOR OUR CATALOGUE 131 PAGES AND OUR 1913 MATING LIST 75 PAGES. A POSTAL BRINGS THEM.

**Egg Prices**

Our prices this year are somewhat different than last. We have eggs at \$5.00 per sitting, \$30.00 per 100, from grand birds mated to produce excellent results. We have wonderful mated pens at \$1.00 per egg. Some special pens from which you can secure a whole sitting at \$1.50 per egg, and some pens, these being very limited in number and also limited in number of eggs to be sold from them, at \$3.00 per egg. Our mating list tells all about it.

**Foundation Stock**

We have said many times during the year that we have raised more and better birds than ever before, and this time finds us with a magnificent large lot of the very best birds we ever bred and raised. We can do wonderful things for you in improving your stock or in founding a new flock. You owe it to yourself to write and inquire about it, telling us your needs and wishes and letting us make you a proposition concerning it. We confidently say that we are THE AUTHORITY on the breeds we offer for sale. We have done larger and better winning in them than any one else. We have judges of these varieties that cannot be excelled in the United States, and when we tell you anything about a particular variety you can rely upon its being as good information and as honest in statement as anybody in the world can make.

Again we repeat, we are THE AUTHORITY on

**White Orpingtons****Buff Orpingtons****Black Orpingtons****White Ply. Rocks****White Wyandottes****S. C. R I. Reds****OWEN FARMS**

WM. BARRY OWEN, PROPRIETOR

MAURICE F. DELANO, MANAGER

107 William Street : Vineyard Haven, Mass.



# My X-Ray Incubator Uses Only 1 Gallon of Oil for a Hatch

and Requires only 1 Filling of the Lamp

Greatest incubator ever put on the market. Built totally different from other old-style machines. Has large oil lamp (4-to-8 quart capacity) *underneath*—square in the center—*not* on the side. This is only right *principle* of construction. Why? Gives an absolutely even heat in egg-chamber *all the time*. No cold sides—no draughts. Always proper hatching temperature. Fill lamps just once—then forget it till *next* hatch.

Other Incubators Use 5 Gallons of Oil (too costly!) and Lamp Has to be Filled Every Single Day

My patented automatic trip—an exclusive X-Ray feature—cuts down flame *at burner*, so there's no *excess* heat—no smoke, no smell—*absolutely no waste!* My X-Ray Regulator is purely *automatic*—takes care of itself—relieves

you of all responsibility. You never have to touch the regulator of my X-Ray; it's automatic; it's the most perfect heat regulating device ever invented.

My heater being centrally located (underneath) conveys equally a direct heat from the lamp into every part of the egg-chamber. Door of my X-Ray is on top—where there are two double-glass panels through which you can see the thermometer at any time, without raising lid and chilling eggs. To ventilate or turn eggs, simply raise lid. Eggs are never taken out of X-Ray.

**Shipped Direct from X-Ray Factory  
To You—No Agents—No Dealers—  
Guaranteed to Please—Freight Prepaid**

To use my X-Ray means less egg-handling, less oil, less heat generated, absolutely no waste, no filling of lamp during hatch, no fumes, no danger of "cooking" eggs—but an even heat always over the **WHOLE** egg-chamber. My X-Ray weighs  $\frac{1}{4}$  to  $\frac{1}{2}$  less than the old-style machines of same egg capacity. I, personally, guarantee it to please you—to give you the biggest and best hatches you ever had. Anyone can be successful with my X-Ray—it is so simple. It is neatest, cleanest, most beautiful incubator made. Women everywhere prefer it—often placing it in their houses, it is so attractive.

My new free book No. 10 tells all about the X-Ray Incubator and Brooder. Shows why X-Ray Brooder is best home for little chicks. It has same perfect heating system as X-Ray incubator, with big lamp that requires only *one* filling. Safer than the old hen herself to raise chicks.

**Write Today for Free Book No. 10 on X-Ray  
Incubators and Brooders—Get Factory-to-You Price**

Mail me a personal letter (or postal). Let me send you my Free Book No. 10. I can save you money—and make money for you. Let me prove it to YOU!

J. H. KATE, President

**X-RAY INCUBATOR  
COMPANY**

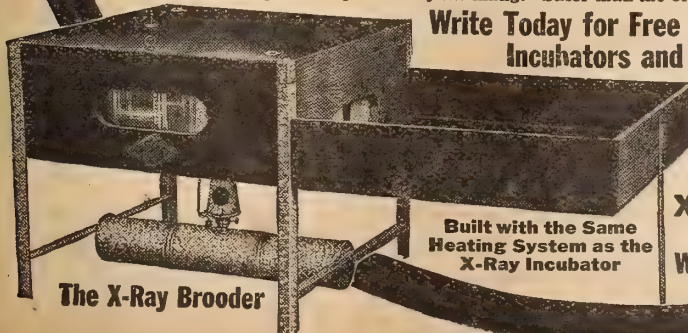
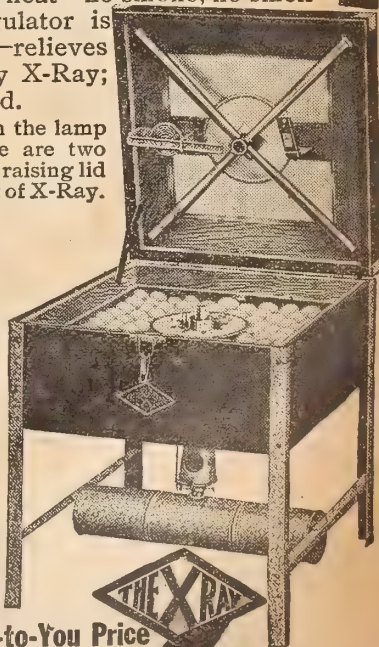
Wayne, Neb.

Built with the Same  
Heating System as the  
X-Ray Incubator

The X-Ray Brooder

**No  
Agents  
or Dealers**

**Freight  
Prepaid Anywhere**





Write for  
BOOKIt Took Me  
19 Years  
To Perfect  
The 1913Sold  
Direct  
From  
Factory  
To You**TRIUMPH**Now Sold At A Price  
That Saves You \$5

Made my first incubator 19 years ago—improved it every year until now it is so far ahead of all others you'll admit it even after reading description. Sold direct from factory—my price saves you \$5.00 or more. Let me prove it

**Write Me A Postal Now**

My book tells all facts and proof. Shows how the Triumph is made with case of Redwood, Basswood, Asbestos, 2 layers of 3-ply building felt and dead air space all over, copper hot water heating system with galvanized attachment for combination heating with hot air—automatic double-acting regulation of heat—perfect ventilation, high nursery, strong trays, perfect lamp, best thermometer. Read all facts in book—worth money to you but sent free for request on postal. Address

**R. F. NEUBERT**  
Box 760, Mankato,  
Minn.

1913  
Book  
FreeWE  
PAY  
FREIGHT

Write Postal For  
**BROWN'S**  
Bargain Book of  
**FENCES**

LET US

prove  
big saving to you on high-  
est quality Poultry and Garden  
Fencing ever made. Genuine Basic

Open Hearth Wire. Heavily Double galvanized by the Brown, Special Process, and held together by a tie that can't ship. Brown's Fence doesn't rust or break—it doesn't sag or bag. It is always neat and trim. And our prices are even lower than others ask for cheap, flimsy netting. Get our book and see for yourself.

**Sample Free Also**

Test it any way you like. Brown's Poultry Fence has top wires No. 9½ gauge—intermediate wires in same big proportion. Bottom wires spaced only one inch apart—absolutely chicken tight—rabbit proof. Only one-half the posts needed—no top or bottom railing necessary. Why pay more for other fence that can't compare with Brown Quality?

**Save Big Money By  
Writing Postal NOW!**

You'll be glad you wrote. You'll be surprised at Brown High Quality and low prices. We sell only direct from factory, freight prepaid anywhere, satisfaction absolutely guaranteed. Don't buy a rod of any kind of fence till you read Brown's book. Write postal now

Brown's  
Fence  
Bargain  
Book  
FREE

The Brown Fence  
& Wire Co.  
Dept. 3 Cleveland, Ohio

DIRECT  
FROM  
FACTORY

# ALDRICH'S WHITE ORPINGTONS

## THE STRAIN OF QUALITY

If you wish to be successful in the poultry business, be sure to start with the most popular and best paying variety, the **S. C. White Orpington**. This variety is conceded by all to lay **more eggs in Winter**, to be the fastest growers and the best table fowl, thus making them bring better returns than any other breed; in addition, they are the most beautiful and most easily handled of all chickens. If you get started right with good stock or eggs, your success is assured.



FIRST PRIZE WHITE ORPINGTON HEN AT  
MADISON SQUARE GARDEN N.Y. DEC. 1911.  
FIRST PRIZE HEN BALTIMORE JAN. 1912.  
ALDRICH POULTRY FARM COLUMBUS, O.

To prove to you the **superior quality** and the excellent blood lines of our strain, we call your attention to our winnings this season at Allentown, Atlanta, Baltimore, Augusta, Chicago and Madison Square Garden, where our birds won a total of **59** out of the **150** prizes offered in competition with 983 of the best birds shown by 153 exhibitors from 30 states as well as the cream of the birds from Canada and England.

Our winning of first pen and first hen **during the same week** at both New York and Baltimore, as well as first pen, first cock and champion male and president's cup at Chicago show, at which show we won 68 points against 66 for all our **44 competitors combined** in the largest class ever shown in the world, as well as sweepstakes for best cockerel in the Atlanta show, and champion Futurity cockerel and pullet at Allentown, is a record never before equalled in a single season, and our record last year of 51 out of 150 prizes offered at St. Louis, Cleveland, Pittsburg, Chicago, Baltimore and New York, in addition to our customers' winnings in shows in all parts of America, is further proof that our farm is **today** the headquarters in White Orpingtons.

The great demand, as well as our greatly increased facilities, and the personal attention of all three members of the firm and England's best White Orpington expert, Mr. L. Rawnsley, enables us to offer the **highest class of stock or eggs** at prices **lower than ever before thought possible** by a reliable breeder. If you wish show birds or large healthy, vigorous breeders to build up and strengthen your flock, let us quote you prices.

We have mated up 30 pens **never before equalled** in the world in White Orpingtons as these pens contain over 200 prize winning females of this and last season's leading shows, and all are **trapnested** and headed with prize winning males from these shows, all being carefully selected and mated, particular attention being paid to size, type, color, strength of bone and above all, **heavy egg production**. Birds hatched from eggs from these pens will be among the **winners** at next season's shows for our customers as they were during the past seasons and eggs from these grand pens are only \$5, \$10 or \$15 a setting of 15. On account of the great demand we would advise early bookings if you wish eggs at any definite date. We will reserve a setting of \$15 eggs for \$5, or one of \$10 eggs for \$3 or one of \$5 eggs for \$2. Send for our catalogue and mating list giving full description of all pens. We guarantee satisfaction in all cases.

**ALDRICH POULTRY FARM**  
STATION B, R. F. D. 7 : : COLUMBUS, OHIO



# Is Incubation a Science?

At the Hall Incubator Factory we think it is. But we believe it to be a very unfinished science and hold that while the general principles are known there remains yet to be found out further knowledge that will enable the hatchery of the future to eclipse the hen in quality of work as it now eclipses her in quantity.

The Hall Company is firmly of the opinion that in addition to the practical experience and knowledge available to the incubator manufacturer and operator there is great need of further and fuller research in incubation by scientific men working in University laboratories.

We hope to see the day in the near future when there will be professorships and research fellowships in incubation as there are to-day in steam engineering or butter-making, and that courses will be offered in our agricultural colleges designed to turn out trained hatching specialists. Such men are needed now and five times as many will be needed five years from now.

You, Mr. Busy Poultryman, can put your shoulder to the wheel and work for fuller recognition of the science upon which your business is based, but you cannot shut down your hatchery until the legislators legislate and the investigators investigate. You must have chicks this year and next. You must take the science of incubation in its present state just as we take it in building the Hall Mammoth Incubator.

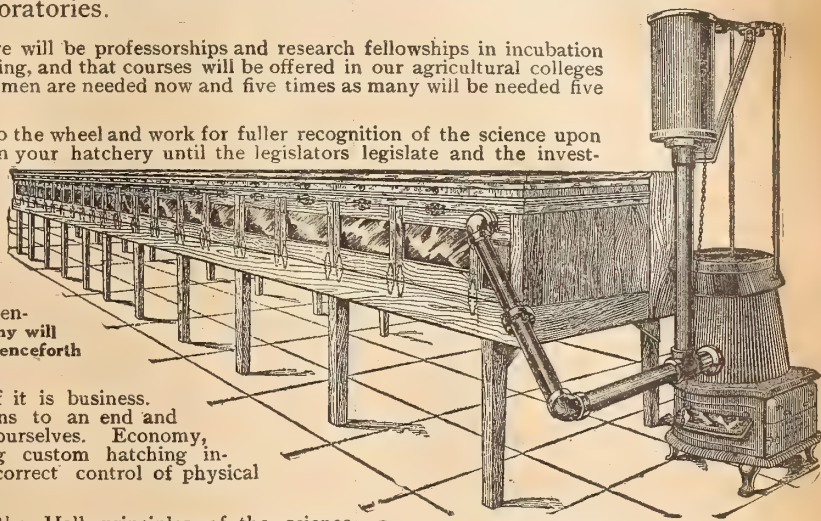
While we do not know that our knowledge of incubation is perfect, we do know that the Hall machine is a highly perfected mechanism for maintaining those conditions or factors which are now believed to be essential to successful incubation, and that the Hall Company will be the first to apply discoveries that science may henceforth make.

Incubation, however, is not all science. Part of it is business. The Hall Company looks upon science as a means to an end and that end is profits for our patrons, and hence for ourselves. Economy, safety, simplicity, adaptability to the ever growing custom hatching industry—these points we consider as important as correct control of physical conditions.

In our new catalogue we have fully set forth the Hall principles of the science that rests on hatching percentages, fuel bills, labor costs and annual profits, as well as of the science that concerns itself with radiation, oxidation and evaporation.

Even if you are not in the market for increased incubating capacity, we want you to send for this handsome book, in which we feel a keen pride, because of its evidence of the gratifying progress of the mammoth incubator which this company carried alone through the difficult days of its early history.

Not the least feature of our new catalogue is a collection of views of nearly one hundred poultry plants from which have been banished forever Kerosene with her retinue of evil spirits.



Here is one of the many letters that accompany these views:

RIDGE POULTRY FARM,  
Ramsey, New Jersey.

"Our eggs are never tested and have averaged fully 85% hatch of good, strong, lusty chicks, such as only a Hall can hatch. Our Hall has been in use some six years and today is running better than ever. Our best hatch has been 147 strong chicks from 150 eggs set."

July 26, 1912.

Downs & Wheat.

## The Hall Brooding System

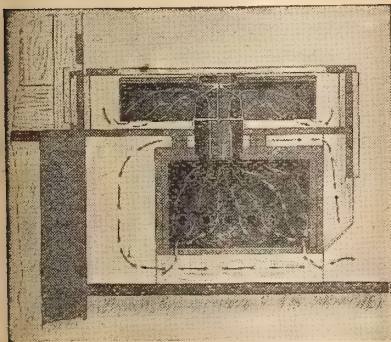


Diagram showing air movement in Hall Brooding System

is an adaption of the principles of the Hall Mammoth Incubator to brooding, and shows the same advantages and economies of the central self-regulating furnace and the perfect linear distribution of heat by flow and return pipes. It eliminates at one sweep the irregular heat of small brooders, lamps and resulting fires, fumes and kerosene bills, the multiplication of little doors, dampers and regulators, boxes and corners, multiple floor levels and endless other unsanitary and unnecessary details and unnecessary and unprofitable labor.

The differences between the Hall incubating and brooding systems are those based upon the differences in the physical needs of unhatched and hatched chicks.

First, as the chick is not so susceptible to minor temperature changes, the general woodwork of the brooder system can be built by the purchaser.

Second, since the chick can regulate its own moisture supply by drinking, there is no moisture problem, and ventilation can and should be more rapid than in incubation. This faster circulation of warm pure air is attained by carrying the heating pipes in a double walled box beneath the floor. In this box the air is warmed and, rising through the thimble, is deflected down upon the backs of the chicks as they nestle beneath the protecting hover.

No other principle of wholesale brooding from one central heater has proven generally successful. Pipes under the floor on any other plan would mean hot feet, cold backs and weak chickens. Pipes above the chicks, if enclosed, mean foul and stagnant air; if open, the draft from along the floor rushes in and passes up by the heated pipes to the ceiling, heating the whole room and producing July, rather than April, conditions.

Considering the advantages of central heat and the difficulty of its application it is small wonder that The Hall Brooding System has persistent imitators. Before you buy a brooding system, look carefully to the number of pipes in the heating box, the ease of access beneath the hover, the quality of hover construction and hover "felt," and the method of regulating the heat at the individual hovers.

Our new catalogue covers the Hall Brooding system, giving full description, drawings, photos and reports of results.

If you are a big chicken man or expect to become a big one, you cannot afford to be ignorant of Hall History and Hall Progress.

Here is one of the scores of reports on our brooding systems that appears in the new catalogue:

BRAESIDE POULTRY FARM,  
Sircudsburg, Pa.

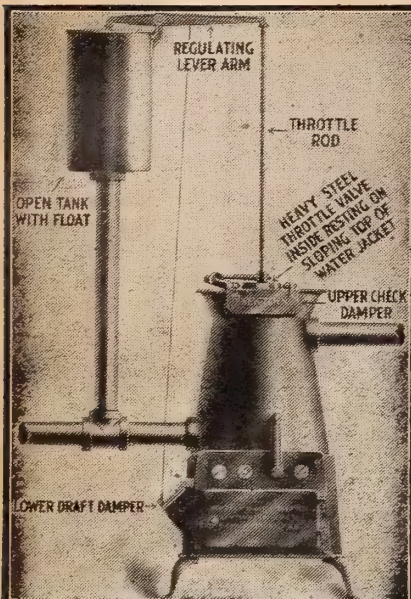
"In the Spring of 1910 we were using indoor kerosene heated brooders with unsatisfactory results, the loss amounting to 28 per cent. Early in 1911 we installed a double Hall Brooder House, 32 hovers, and our loss using your system was 15 per cent. This season our loss amounted to 11 per cent."

August 3d, 1912.

Robert Eastwick.

**HALL MAMMOTH INCUBATOR COMPANY**  
132 Southern Avenue, Little Falls, N. Y.





## An Always-Reliable Guardian for Your Eggs and Chicks

You're sure there'll be no unexpected rise in temperature to bake your eggs and smother your chicks, if you install a Newtown "Giant" Incubator and Brooding System, because the

## Newtown "Giant"

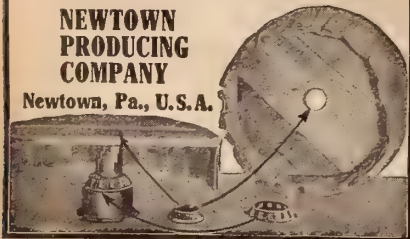
### Incubator and Brooder Heater

has three dampers, all regulated automatically—its base and water jacket are each cast in one piece—its top throttle valve is of heavy steel which cannot warp, and fits on a sloping, funnel-shaped seat which prevents the lodgment of coal underneath. These exclusive "Newtown" features insure against undesirable draft and excess heat.

Let us prove to you why the "Newtown" will hatch and raise more chicks for you. Write now for our finely illustrated Incubator Catalog I and Brooder Catalog A.

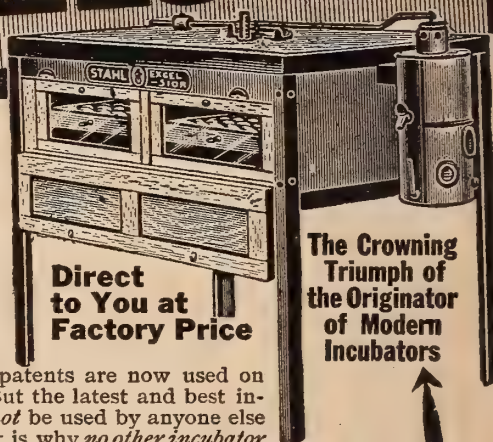
**NEWTOWN  
PRODUCING  
COMPANY**

Newtown, Pa., U.S.A.



# 36 Years Back of Stahl's EXCELSIOR

**STAH**L invented the first artificial hatching machine in 1877—35 years ago. Since then he has been improving it year by year so that now his latest incubator is his greatest and many years ahead of all others. The U. S. Government protects a manufacturer's patent for 17 years. Stahl's *expired* patents are now used on many other incubators. But the latest and best inventions of Mr. Stahl *cannot* be used by anyone else for the next 17 years. That is why *no other incubator* can be as good as Stahl's new Excelsior—the incubator that is backed by



**Direct  
to You at  
Factory Price**

**The Crowning  
Triumph of  
the Originator  
of Modern  
Incubators**

## Over 50 Patents

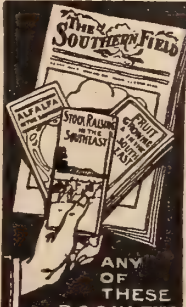
The Excelsior has a heating system that is a marvel of accuracy. Every inch of the egg chamber is heated to a uniform degree and kept at that uniform temperature by Stahl's patented regulator—a new and better thermostat. Get Stahl's new book and read about all of the new features—the Automatic Egg Turning Device; Scale of Thermometer on top—always readable; Lamp cannot be filled while lighted, cannot explode. Fire-proof heater encloses lamp. Automatic ventilation; automatic moisture supply; and every other up-to-date feature necessary to largest possible success.

If you are thinking of buying an Incubator you will make a serious mistake if you don't first learn all you can about Stahl's. You can pay more money for other Incubators but you cannot get the Stahl exclusive ideas and Stahl efficiency except in Stahl's Excelsior. Write for direct-from-factory offer and let Stahl's 36 years of poultry and incubator experience be your insurance against loss or disappointment.

### Write Now for Book—FREE

If you want an Incubator (no matter what size) that will hatch the highest percentage of vigorous, healthy chicks at least cost and least trouble to you, send for my book, "Raising Poultry for Pleasure and Profit." It's free. 29470

**GEO. H. STAHL, 212 Elm Street QUINCY, ILL.**



**ANY  
OF  
THESE  
BOOKLETS  
FREE**

## Cheap. Profitable Farm Lands

For Stock, Poultry and Hog raising, Dairying, Fruit growing, Truck Crops, Alfalfa yields and General Farming, the SOUTHEASTERN STATES present soil, climatic and market conditions unsurpassed by any other region.

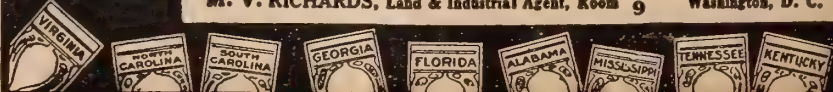
Farm land values are most tempting. Undeveloped tracts sell from \$6 an acre up; improved properties range from \$20 to \$50 per acre.

### THE SOUTHERN RAILWAY

Mobile & Ohio Railroad or Georgia Southern & Florida Railway

will help you find a desirable farm location where two and three crops grow annually. Alfalfa produces 4 to 6 tons, Corn yields 60 to 100 bu., Truck crops make \$100 to \$400, Apple Orchards \$100 to \$500 per acre, and Beef and Pork are produced at 3 to 4 cts. per lb.

Let us know in what state and branch of farming you are interested. Information given and free publications furnished on application. **M. V. RICHARDS, Land & Industrial Agent, Room 9 Washington, D. C.**





# Wisconsins Victorious—Winners in 3 Big Hatching Contests

Winner in Missouri Valley Farmer Contest in 1910—Also Winner in Successful Farming Contests, 1911 and 1912

Read the wonderful records below—which prove beyond question that the famous Wisconsin machines are the Best for the Money in the World.

Mrs. Jerry McMahon, Veedersburg, Ind., with a 125-egg Wisconsin Incubator, hatched 125 chicks from 125 eggs, in the big 1910 Hatching Contest held by the Missouri Valley Farmer, making her one of three prize-winning contestants, with over a thousand competing. (Sworn Statement.)

Mr. C. B. Armitage, Atwater, O., hatched 88 chicks from 88 fertile eggs and 93 chicks from 93 eggs, in the 1911 contest held by Successful Farming, with his 125-egg Wisconsin Incubator, making 100% hatches. The two highest hatches of any machine entered in the contest with two hatches.

Mrs. J. W. Mize, Vaughn's Mill, Ky., won in the big 1912 Hatching Contest held by Successful Farming—105 chicks from 105 fertile eggs, 103 chicks 106 eggs.

If you want to get results like these, why take chances? Get a pair of these unbeatable machines—you can't go wrong!

## 125-Egg Wisconsin Incubator and Brooder Both for \$10

FREIGHT PREPAID  
EAST OF ROCKIES

### Why Pay More? Why Take Chances?

I stand ready to prove to you that there are no better machines on the market for anything like my low price. I stand ready to let you prove it in your own home, to your own satisfaction (not mine), and pay the freight charges both ways. You take no risk, no chances. I will ship you one of my 125-Egg Hot-Water Wisconsin Incubators and a 125-Chick Brooder on 30 days' trial—and if you don't find it the best hatching outfit after 30 days' trial ship it back, and back comes your money.

Machines that win in the big hatching contests, year after year, surely must have unusual merit. But remember that they must win your satisfaction or I take them back—return your money—pay all freight cost.

I have been advertising in this paper for years. The publishers know me and know that I do just as I agree. I am undoubtedly making the readers of this paper the most remarkable offer on high-grade Incubators and Brooders that has ever appeared in the paper.

**The Wisconsin Incubator Is Hot-Water Type** It has double side walls, with dead-air space between; top has 3 walls; large double glass doors; copper tank and boiler; roomy nursery beneath egg-tray; self regulating. Made of high-grade California Redwood—not paper—nor do we paint them to cover up cheap lumber, but we stain and varnish them to show quality of lumber—completing a machine that has no equal at anywhere near the price. **The Brooder** is a roomy, well-made, properly heated and ventilated machine—fitted with hover, oil lamp and wire scratching yard, as illustrated. Both machines, complete, set up, ready to use—with Taylor "Tyco's" thermometers, O.K. burners, safety oil lamps, egg-tester, everything but the oil—all for only \$10. If you don't wish to order from this advertisement, don't buy until you send for my 1913 Free Catalog. Write for a copy today, so that you can compare the material we are putting in our Wisconsin Incubators and Brooders with the material other makers are using. If you will do this, we know that you will order a Wisconsin—the machine that stands on its merits, its proven qualities.



**Wisconsin Incubator Co., Box 50, Racine, Wis.** THOS. J. COLLIER Manager



Thos. J. Collier  
Mgr.

### Proof in a Nutshell

Here are a few comparisons or "proofs" that will help you to avoid making a mistake in deciding which machines to buy:

**1st** The Wisconsin has double walls with dead-air space, a decided advantage. Some have no dead-air space.

**2nd** Egg chamber in the Wisconsin is fully ten inches deep. Some to cheapen cost of making are scant eight inches deep.

**3rd** This makes the nursery less than two inches and too shallow for little chicks. In the Wisconsin the nursery is three inches deep.

**4th** In the Wisconsin there is plenty of room between the egg-tray and the door for the chicks to get in the nursery. In some incubators you have to open the door in order to put the chicks in the nursery.

**5th** The Wisconsin has large double glass doors through which the thermometer can be easily read. Some have small single glass, making it necessary to open door to read thermometer.

If you will make these comparisons—weigh them well—I know you will order my machines and be better pleased—for these are cold facts which actual comparisons have proved.

# Rose's Black Orpingtons

## Champions of America

You Ask Why?—We Will Convince You

Because—We not only made a clean sweep at Madison Square a year ago, winning Grand \$25 Gold Special Best Display, but followed up this record by winning five times as many Blues with our Black Orpingtons than any other competitor at seven greatest shows in America this season.

Because—At these seven classic shows; Toronto, New York State Fair, Allentown, Hagerstown, Baltimore, Madison Square, and Boston, we captured 26 firsts out of a possible 36, also 23 seconds, 11 thirds, 8 fourths and 5 fifths.

Because—At these seven important shows, six times we won the Grand Special for Best Display; twice Cup for Best Cockerel in entire show, and once Cup Best Male in show.

Because—We have supplied winners that have won at all the leading shows including Madison Square, Baltimore and Boston.

### Wins at Boston, 1913

Our last show this season we crowned our previous victories; 1st, 2d cock; 1st, 2d hen; 1st, 5th, 6th cockerels; 1st, 2nd, 3rd pullets; 1st and 2nd pens; and all specials offered.

Eggs—Guaranteed hatchable eggs from the choicest pens of Blacks, containing more renowned winners than any other breeding pen in the world, \$10 per 15. All unfertiles replaced free. Buff Orpingtons that won Madison Square 1912-13; 2d hen, 3d cockerel, 1st pullet, 4th pen, also 13 Blue Ribbons at above shows. Eggs \$10 per 15. Catalogue free.



FIRST PRIZE S.C. BLACK ORPINGTON HEN  
MADISON SQUARE GARDEN SHOW DEC. 1911.  
HUGH A. ROSE WELLAND ONT.

First Madison Square Garden, 1911  
First Boston, 1911-12

Hugh A. Rose : Frank F. Conway : Fonthill, Ontario, Canada  
Manager



**SEED CORN**

Seed Oats, Speltz, Barley, Alfalfa, Timothy, Clover, Rape, Soy Beans, Cow Peas, Canadian Field Peas, Hungarian Millet, Sugar Cane, Buckwheat, Seed Potatoes, etc., quality first class. 100 acres. Good farm seed catalog and samples if wanted free. Write us before you buy.

**W. N. Searff, New Carlisle, Ohio**

**\$5 NO MONEY IN ADVANCE**

The "Dandy" is the easiest operated, best built, fastest cutting green bone cutter made. Sold on 15 days' free trial with a broad guarantee. If it suits keep it, if not, send it back. Free catalog.

**Stratton Mfg. Co., Box 17, Erie, Pa.**

**POULTRY FENCE**

**60 INCHES HIGH 25¢ A ROD**

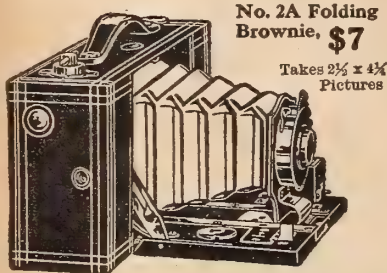
Has 4 1/4 inch mesh and line wires are graduated from 1 1/4 inches at the bottom to 4 1/4 inches at the top.

60 inch Poultry and Stock Fence, 31c.

Same style fence as in cut but is made from heavier wire and has six inch mesh. Write for free Catalog.

**COILED SPRING FENCE CO.**  
Box 82 Winchester, Indiana.

*They work like Kodaks*



No. 2A Folding Brownie, \$7

Takes 2 1/4 x 4 1/4 Pictures

## BROWNIES

Made at first to make photography as simple and inexpensive as possible for the little folks. Made so well that grown-ups caught the Brownie habit at once. Now made for all—from the original little dollar Brownie up to \$12.00.

Wonderfully capable little cameras are the Brownies—combining extreme simplicity, low price and efficiency to a remarkable degree.

Work like the Kodak—made in Kodak factories—by Kodak workmen—to Kodak standards of quality.

Use Kodak film cartridge—daylight loading and unloading of course—no dark room for any of the work.

"Book of the Brownies" at your dealers or on request from us.

**EASTMAN KODAK CO.**

418 State Street, ROCHESTER, N. Y.  
The Kodak City.

## Burpee's Seeds

are supplied every year direct to more American planters than are the seeds of any other growers. Do your seeds come direct from Philadelphia? If not, we should like to make your acquaintance. Simply send us your address (a postal card will do) and you will receive **Burpee's Annual for 1913**,—a bright book of 180 pages, which has long been recognized as "The Leading American Seed Catalog." Kindly write to-day! Address

**W. ATLEE BURPEE & CO., Burpee Buildings, Philadelphia**

## As Heat Rises Moisture Must Fall

*High heat must have low moisture.  
Low heat must have high moisture.*

This is a rule never to be violated. A certain definite relation exists between heat, moisture and ventilation. The more closely it is observed, the nearer the hatch comes to perfection.

## Mandy Lee Incubator

**Adapts the Moisture to the Heat**

**Heat  
Moisture  
and  
Ventilation  
Measured—**

**No Guessing**

It is the one scientific incubator, because it is the only one that measures and secures right relations of hatching requirements. Hatching with the Mandy Lee is exact work. Thermometer, Hygrometer and Triple Automatic Regulator cannot go wrong like machines watched and "tended" without knowing what is wrong or what is required.

Everything is measured, not guessed at, in the Mandy Lee. All is automatic. See Lee's latest catalog for particulars on modern scientific hatchers, including New 600-Egg Incubator.

Use **Germozone** this year, standard remedy of the world for Roup, Colds, Cholera, Canker, Bowel Complaint, etc. Also **Lice Killer, Egg Maker and White Diarrhoea Remedy.** All Lee modern poultry books free. Address

**GEO. H. LEE CO., 1101 Harney St., Omaha, Neb.**

## A Better Hatcher for Less Money

The Queen's record ranks it with the very highest priced incubators. Not claims, mind you—I mean the record, what it actually does, year after year. Hatches always as good, even better than the others—and costs \$10, \$12, and even \$15 less. The only high-class machine sold everywhere at a fair price.

## The Queen Incubator

**28 Reasons Why**

My Poultry Guide and Catalog shows them. Let me send it free—a fine, big book, right to the point—full of things you ought to know. Shows why so many thousand Queen users are doing so well—why so many thousand more buy Queens each year. The incubator built to last 25 years.

Distributing houses in the extreme East and West for quick delivery. No delays. I prefer to any National Bank in Lincoln. Write for book now before you forget.

**P. M. WICKSTRUM, Incubator Man**  
Box 4, Lincoln, Neb.

**PRATT FOOD COMPANY**  
Eastern Distributors  
Phila., Pa.

*Queen*



# THREE TIMES WINNERS --- WEBSTER FARM MADISON SQ. GARDEN, N. Y., CHAMPION WHITE PLYMOUTH ROCKS

**Sweep All Before Them. Winning at:**

## WILLIAMSPORT, PA.

Cock—1-5.  
Hen—1.  
Pullet—1.  
Best hen in show.  
Best cock in show.  
Best bird in show.

## PHILADELPHIA, PA.

Cock—1-5.  
Hen—1.  
Cockerel—5.  
Pen—3.  
Best cock in show.  
Best hen in show.

## CLEVELAND, O.

Cock—1-2-3.  
Hen—1-2-3-5.  
Cockerel—1-2-3.  
Pullet—1-4-5.  
Pen—1-2.  
All specials and cups.

## This 1913 Record, the Greatest Ever Made

It is the "Seal of Superior Quality"—The "Best" by actual test. Our line has proven their winning and practical quality year by year, (three times this season), making exceptional records at our best shows. Two years ago they won their title as Madison Square Garden Champions by winning "three first and two second prizes and all color and shape specials. Our matings are made and our list is ready for you. The matings are superb in quality, including all our winners of two years. This is your opportunity. I assure all of absolute satisfaction. Stock for sale. Write me your wants.

**Webster Farm, Box A, Girard, Pennsylvania**

## LICHTENWALTER'S QUALITY BUFF PLYMOUTH ROCKS

Winners this season at M. S. Garden, N. Y.; Philadelphia; Cleveland; Williamsport; Springfield, Ill., etc. Prominent winners for years with well known record. Grand in size, shape and sound color, with good head points. My matings are very select, only the very best reserved and used. List and particulars on application. Some choice breeders for sale. Write me your wants. Satisfaction assured.

**E. H. LICHTENWALTER : : BOX A : : GIRARD, PENNSYLVANIA**

\$

1.00

BUYS

**THE GREATEST POULTRY BOOK EVER PUBLISHED**

**ORIGIN AND HISTORY OF ALL**

**BREEDS OF POULTRY**

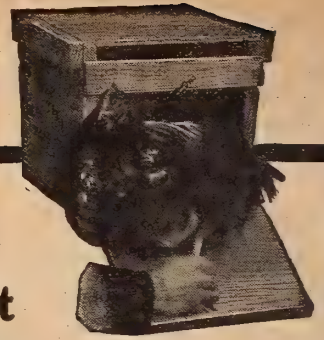
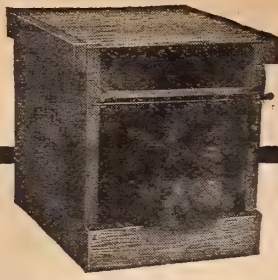
**THIS BOOK** gives the origin and history of the Standard varieties of chickens, ducks, geese and turkeys; also a detailed description of color, shape, weight, etc. of Light and Dark Brahmas, the Cochins, Plymouth Rocks, Wyandottes, Leghorns, Dorkings, Orpingtons, Houdans, Creve Cœurs, La Fleche, Faverolles, Spanish, Minorcas, Anconas, Blue Andalusians, Hamburgs, R. I. Reds, Langshans, Polish, Games, Game and Ornamental Bantams, turkeys, geese and ducks. It also contains

**198 Pictures in Natural Colors**

drawn from life. The pictures alone are worth many times the price of the book. This book also tells how to mate the different varieties for best results. In fact it is one of the most valuable books for both the amateur and the experienced poultryman. This book contains 64 large pages (9x12) of solid reading matter, besides the colored plates. It is neatly bound with paper cover. It should be in every poultryman's library. Send for a copy today, direct to the publishers.

**AMERICAN POULTRY JOURNAL PUB. CO., 542 SOUTH DEARBORN ST., CHICAGO, ILL.**  
**SEE OUR CUT PRICE ON BOOKS ELSEWHERE IN THIS ISSUE**





## Breed From Heavy Layers—Weed Out The Drones—Use Practical Trap Nests

Write Department AN for Free Illustrated Pamphlet

NEWTOWN PRODUCING COMPANY, Newtown, Pa., U. S. A.

Price  
\$1 Each

## Successful Lessons in Poultry Raising FREE

SEND me your name now before you spend a cent for any incubator or brooder—before accepting anyone's proposition. I want to tell you how I give a regular \$25.00 simple, practical course of advice in printed form—facts based on my 25 years' poultry experience with my incubators. These *Free Poultry Lessons* include personal attention and advice that no other maker can give. Also lessons before you start—when you start—while you are hatching—how to make the biggest hatches and raise biggest broods—how to get biggest prices and sell for spot cash.

### SUCCESSFUL INCUBATORS

#### LIFE PRODUCERS

give most chicks—raise more chicks—every time, in any climate, anywhere, for longest term of years. Send your name at once for my FREE book and low price proposition. If you buy nothing now, you will some day when you learn all the facts about my World's Best Incubators and the way I help you be "successful" with them. Thousands of people began with my \$6.75 incubator and now own big businesses. You can do the same. Write me personally for free catalog and other literature.

J. S. GILCREST, President, DES MOINES INCUBATOR CO.,

### SUCCESSFUL BROODERS

#### LIFE PRESERVERS

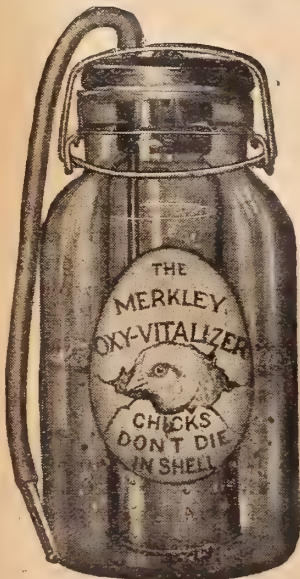


NOTE—Our famous little booklet "Proper Care and Feeding of Chicks, Ducks and Turkeys"—Worth its weight in gold—sent for 10 cents. But our BIG Catalog is FREE. Write for it.

Ask about our thoroughbred poultry and eggs for hatching at lowest prices

1 Second St., Des Moines, Iowa

# Why So Many Chicks Die in the Shell



Thousands of chicks die in the shell after piping, simply because they cannot get enough oxygen from the close, stuffy air in the incubator. Frequently, at piping time, the air is so bad that a candle will not burn in the machine. Chicks have small chances among such conditions. Thousands of chicks die after reaching the brooder, because they were so poisoned by foul air in the incubator that they came out weak and unable to resist disease.

## The Merkley Oxy-Vitalizer

Will save these chicks for you. All they need is oxygen! Just as a doctor saves the life of his patient by administering oxygen and helping nature in the struggle for life, you can get larger hatches of stronger chicks by supplying oxygen two or three days at the end of the hatch. It is a safe, simple, inexpensive process—nothing complicated or mysterious about it. Operates itself, perfectly harmless, easy to install.

**Stimulate Your Chicks by Supplying Plenty of Oxygen. They Will be more Profitable for it.**

The Merkley Oxy-Vitalizer can be attached to any machine in five minutes. It will last a lifetime and will serve for several machines, as it is used only in the last few days of the hatch. Needs no attention at all. Simply put in a fresh cartridge of chemicals at the beginning of its use. Cartridges cost \$2 per half dozen. No experience, no watching, no trouble.

### The Greatest Poultry Invention of the Age

Write today for free copy of illustrated descriptive booklet. Price of vitalizer complete, ready for use, express charges prepaid, \$3.50.

Los Angeles, Cal., March 4, 1912—Merkley Mfg. Co.: Used vitalizer on two hatches, 173 chicks from 185 eggs and 170 out of 181. Am perfectly satisfied. Walter M. Chase.

The Merkley Oxy-Vitalizer will increase your profits. Order one today. Mention A. P. J.

THE MERKLEY MFG. CO., DEPT. A, SYRACUSE, N. Y.



The Favorite—**LEG BANDS**—The Capital

Six sizes

Our bands are strong, durable and made from aluminum; have smooth edges and lock with double clinches, numbered with large **RAISED FIGURES**. Prices: 12 for 15c; 25 for 25c; 50 for 40c; 100 for 65c. Always state which kind are wanted and what variety they are for.

CHAS. L. STILES, 233 N. Third St. COLUMBUS, OHIO

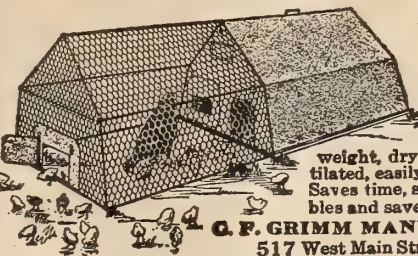


(adjustable)

**GRIMM'S CONVERTABLE BROODERS**

The roomiest steel brooder made. The wood bottoms are chemically treated which makes them immune from lice, mites, and rats will not gnaw them. Vermin proof. Write for our circulars and read what many satisfied users say.

\$1.85 without yard, \$2.50 with yard, Hovers 50 cents, Heaters \$1.50 complete (top heat) Makes a safe place for the setting hen.



10 square feet of floor space in brooder and yard. Size of brooder 2 1/2 feet long, 2 feet wide and 18 inches high. Yard same size. They are built for continuous service, are light weight, dry, strong, large, well ventilated, easily cleaned and kept clean. Saves time, saves money, saves troubles and saves the chicks.

**G. F. GRIMM MANUFACTURING CO.**  
517 West Main Street Atchison, Kansas

Let Me Save You Money  
on Your Incubator

I don't care how large or small a machine you want, I can save you money on it. I know incubator values from A to Z. I know what it costs to build them and I know how cheaply the best incubator can be sold. I have been building them for over 31 years. I own the largest incubator and brooder factory in the world. I know what I am talking about. I know that you will receive one of the biggest surprises of your life when you

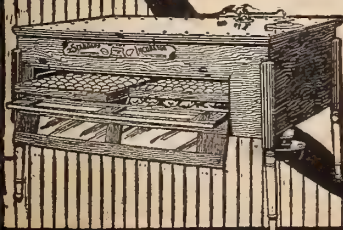
**Get My Rock Bottom Prices on the "Reliable"**

Here's an incubator that's made of absolutely the best materials from beginning to end. Thoroughly seasoned matched cypress lumber is used in its construction. A double heating system is built right into the incubator. Yet you can get at it in a second. The Reliable has an accurate regulator—tanks of cold-rolled builder's copper—metal chimney—government standard tested thermometer and all-metal safety lamp. No matter how cold the weather, you can absolutely depend on the Reliable. No worry—no trouble—no bother. It is guaranteed to hatch any egg that can be hatched—in any altitude. No machine can do more. Do you know of any other of which you can be so sure? Built in 7 sizes. One is just your size. Get my prices. Don't buy until you do. Write tonight.

**RELIABLE BROODERS**

Are made of the same high grade materials with the same workmanship and care as our famous incubators. Choice of either Hot Water or Hot Air heating. Made in four sizes—for 80, 120, 220 and 300 chicks. Send for detailed description and prices.

**J. W. MYERS, President,**  
**RELIABLE INCUBATOR & BROODER CO.,**  
Box A-1 Quincy, Ill.

**The Perfection Feeder**

Supplies clean wholesome Dry Mash Feed that makes your fowls pay. Feeds all sizes of fowls—more at a time than other feeders. Prevents waste. Can't clog. Uses up little space. Delivered to any part of the U. S. by Parcel Post for \$1.00.

**POULTRY APPLIANCE CO.**  
Department 1  
959 16th Street, Milwaukee, Wis.

**Komon-Sense****130 Egg Incubator \$750**

Well made, double-wafer regulator, high legs, deep nursery, egg-tester, lamp, thermometer, complete with simple directions, set up ready to run. Satisfaction guaranteed or money back. 130-chick Komon-Sense Brooder alone, \$4.

Freight Paid  
East of Rockies

**Hatches Over 90%**  
with least care and expense.

Our customers' experience proves this.

Incubator and Brooder ordered together, \$10.50. Order direct or send tonight for Free Book.

Komon-Sense Incubator Co.  
Box 66, Racine, Wis. 3

**SOMETHING TO GROW ABOUT****"HEN-E-TA"**

About 30% Tri-Calcium Phosphate  
Popularly Called **BONE ASH**

**NO OTHER BONE NEEDED**

**NO OTHER GRIT NEEDED**

**NO MORE BONE CUTTERS NEEDED**

**NO MORE BEEF-SCRAPS NEEDED**

**NO MORE CHARCOAL NEEDED**

**NO MORE OYSTERSHELLS NEEDED**

**100 lbs. - \$2.25**

**500 lbs. - 9.00**

**Balanced Ration Formulas Free**

If you will give us your dealers name and address.

**HEN-E-TA BONE CO.**

NEWARK, N.J. DEPT. 1 FLEMINGTON, N.J.

**Keep Your Hens Cackling**

A hen never fails to "cackle" when she has done her duty for the day.

Mix with the feed a small portion of

**Dr. LeGear's Poultry Powder**

and your hens will "cackle" regularly. It is a tonic that keeps poultry healthy and makes hens lay.

For sale by dealers everywhere in

**Large 25c and 50c packages**

Egg profits largely increased by using it.

Write us for free copy of Dr. LeGear's Stock Book—it contains 112 pages of information about stock and poultry.

**DR. L. D. LEGEAR MEDICINE CO.**

725 Howard St.

ST. LOUIS, MO.

Sole manufacturers of Dr. LeGear's Poultry Powder, Powdered Lice Killer, Liquid Lice Killer, Roup Remedy, Cholera Remedy, Sore Head Remedy, Scaly Leg Remedy, Head Lice Remedy, and a full line of Stock Remedies.





# NONPAREIL BARRED ROCKS

Win at the Great Exposition  
Park Show, Rochester, New  
York, January, 1913

## 151 Birds Competing

Cock 1st and 3d; hen 2d; cockerel 1st and 4th; pullet 2d, 3d, 4th; pen 1st; pullet bred cocks 1st, 2d and 4th, cockerels 2d and 5th; cockered bred hen 1st, 3d, 4th and 5th; pullets 1st, 4th and 5th; cockerel mating pen 1st; pullet mating pen 1st; all shape and color specials; association silver cup for best display; the Taylor sweepstake cup for best exhibit at show, etc.

## Line-Bred Since 1883

For twenty years winners at America's best shows. 269 first prizes and 63 shape and color specials, silver cups and medals won at Madison Square Garden, N. Y., Chicago, Boston, Philadelphia, Buffalo, Cleveland, Toledo, Toronto, Rochester, etc.

## Matings for 1913

Our matings are made and are superior in quality for both cockerel and pullet breeding. Descriptive list free for the asking. Eggs, \$5 per 13, \$8 for 26, \$10 for 40, \$25 for 100.

## Stock for Sale

Cocks, cockerels, hens and pullets from our best breeding lines. Trios and pens properly mated for best results. All correspondence and orders have the personal attention of H. P. Schwab.

**Special Sale**—Trios and pens, quality birds with the best of breeding back of them. Satisfaction assured. Pens of five birds for either cockerel or pullet breeding for \$22.50. They will please you. Start now and start right. Write us your wants.

OUR BEST EFFORTS ARE AT YOUR COMMAND

**SCHWAB BROS.**  
BOX 452 :: IRONDEQUOIT, N. Y.

# Grannis Bros.

## Breeding and Exhibition Stock Baby Chicks and Eggs



Buff and White Orpingtons    White Wyandottes  
S. C. and R. C. R. I. Reds    White Leghorns  
Buff Leghorns    Indian Runner Ducks

At eight of the leading shows of the United States we have won

## 260 PRIZES

For the breeding season of 1913 we have mated up 35 pens of grand quality, and in addition individual and colony pens aggregating nearly 1,000 splendid breeders. Over 2,500 birds were available for selection, a number amply sufficient to insure the highest of quality.

At LaGrangeville, N. Y., we have our 160-acre farm which is admirably adapted for a great poultry producing plant. At Bryn Mawr Park, Yonkers, N. Y., is our metropolitan branch plant where we have several of our choicest breeding pens of each variety, and also have on hand and for sale stock the finest quality. Bryn Mawr Park station is only ten miles from N. Y. City.

All our stock has been raised on free range, which with us means fields, woods and orchards.

## Special Prices on Fine Breeding Stock

Cocks, \$5.00 and up; Hens, \$3.50 and up; Cockerels, \$5.00 and up; Pullets, \$3.50 and up. Prices on exhibition stock quoted on request.

The chick crop of 1912 was much below the average, consequently the demand for baby chicks, eggs and stock is unusually large this season. We therefore recommend early placing of orders. By ordering now and making a small deposit customers may insure for themselves shipment on date selected by them.

All our baby chicks are hatched in Hall Mammoth Hot Water Incubators and are equal in every respect to hen hatched chicks.

Catalog, with prices of eggs, baby chicks and stock, now ready. Send for copy.

# GRANNIS BROS.

Herman W. Grannis, Manager

Route 12,    Bryn Mawr Park,    Yonkers, New York



# BANTA

Here is what the Banta Incubator will do:

- 1—Hatch more chicks. 3—Last year after year.  
2—Hatch stronger chicks. 4—Cost least to operate.

It is the product of 20 years' experience in incubator making by skilled workmen, most of whom have been with us for years. Its price is based on the principle of a dollar's worth of value for every dollar it costs you. Therefore, if you want

## The Incubator

### Giving Years of Service

and giving big, successful hatches right along, investigate the Banta.

We have special agencies in many cities where you can see and examine the machine you want. If we have no dealer near you, we will ship direct.

**The Banta never disappoints.**

We also make a complete line of indoor and outdoor brooders, coops and houses at very low prices.

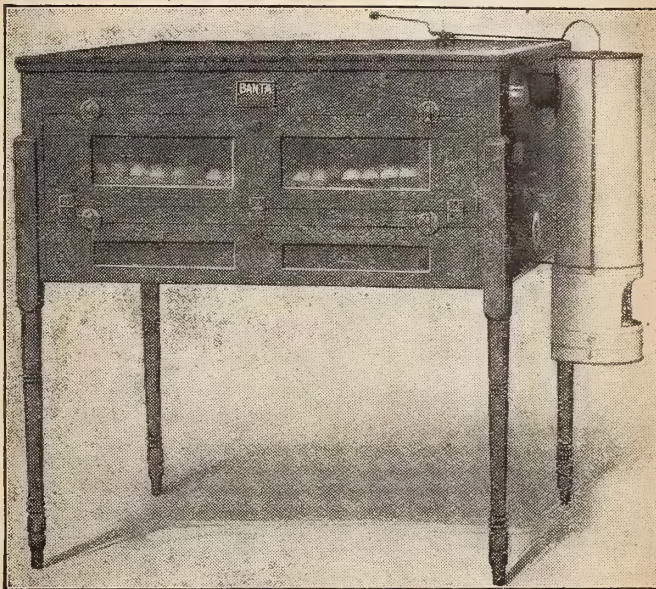
### Send for the Banta Catalogue

Helps you decide how to get the best value for the least money. Shows what are the essentials for getting continuously good hatches and makes you competent to pick out a good machine. Sent free.

**THE BANTA & BENDER CO.**

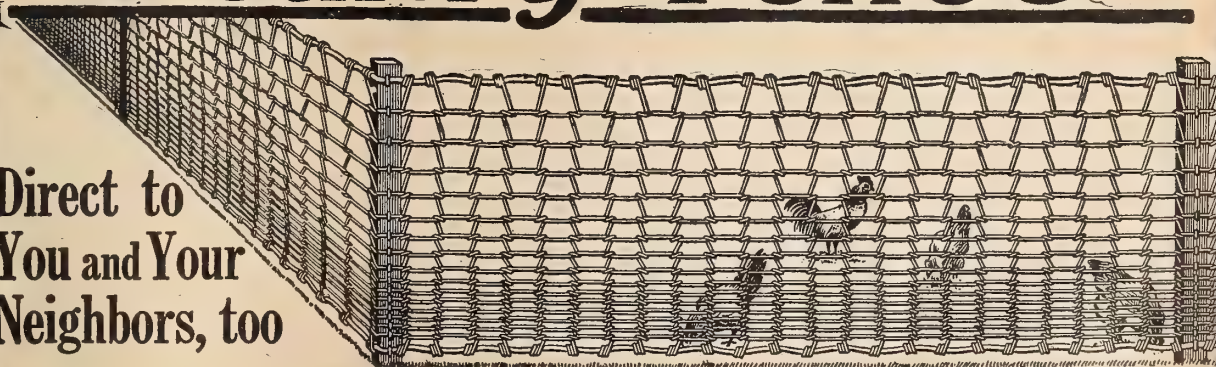
600 Third Street,

Ligonier, Indiana



# Poultry Fence

Direct to  
You and Your  
Neighbors, too



**48 INCHES HIGH 22<sup>1</sup>/<sub>2</sub>c A ROD. 60 INCHES HIGH 25<sup>1</sup>/<sub>2</sub>c A ROD.**

Not a flimsy netting but a fence requiring fewer posts and no base boards or top rail. Spacing between the line wires graduated from 1<sup>1</sup>/<sub>8</sub> inches, at bottom to 4<sup>1</sup>/<sub>2</sub> inches at top. Stay wires 4<sup>1</sup>/<sub>2</sub> inches apart.

Top Wire \_\_\_\_\_ Bottom Wire \_\_\_\_\_ Line Wire \_\_\_\_\_ Stay Wire \_\_\_\_\_

Positively the greatest poultry fence bargain ever offered—you can't afford to buy any other kind.

**48-INCH COMBINED POULTRY AND STOCK FENCE 27<sup>3</sup>/<sub>4</sub>c PER ROD.**

A heavier fence having the same construction as above and while close enough for small chicks yet strong enough to turn stock. Stay or upright wires in this style fence are 6 inches apart and the spacing of the line wires graduated from 1<sup>1</sup>/<sub>4</sub> inches at bottom to 6 inches at top. Following shows exact size of wires used.

Size of Top and Bottom Wires \_\_\_\_\_ Line Wire \_\_\_\_\_ Stay Wire \_\_\_\_\_

**All Fence Sold Direct to You at Factory Prices.**

Large Illustrated Catalog showing over 100 styles of Farm, Poultry and Lawn Fence mailed FREE on request. WRITE NOW—before you forget it.

**KITSELMAN BROTHERS, 295 So. Council St. MUNCIE, INDIANA.**





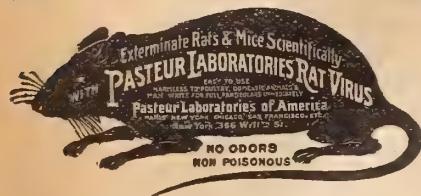
**Smith Sealed.**  
Prices postpaid:  
12,30c; 25,50c;  
60, \$1.00; 100,  
\$1.50; 500,  
\$5.50; 1000, \$12.50.

**LEG BANDS**

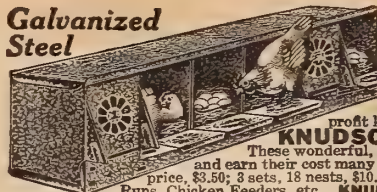
**Leader Adjustable.**  
Prices postpaid: 12,15c;  
25,25c; 50,40c;  
100,65c; 250, \$1.60;  
500, \$2.75; 1000, \$5.25.

**FREE SAMPLES**

Write postal or order now. Satisfaction guaranteed. Address **THE KETES-DAVIS CO., Inc., Dept. 502** Battle Creek, Michigan



### Galvanized Steel



### Lice-Proof Nests

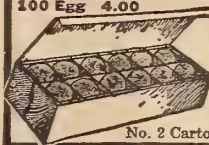
**HAPPY HENS EARN BIG PROFITS**  
Keep your hens happy and laying by keeping them free from profit killing lice and mites. Equip your laying houses with **KNUDSON Galvanized Steel LICE PROOF NESTS**. These wonderful, sanitary, patented nests can't get out of order, last a life time and earn their cost many times over. Regular price, \$3.90, set 6 nests—special introductory price, \$3.50; 2 sets, 18 nests, \$10. Write for our free catalog, Galvanized Steel Brood Coops with Runs, Chicken Feeders, etc. **KNUDSON MANUFACTURING CO., Box 470, ST. JOSEPH, MO.**

### FOR PARCEL POST AND EXPRESS SHIPMENTS

#### Use Rippley's Perfect Egg and Day Old Chick Boxes

Rippley's Perfect Egg Boxes

Size	Doz.
15 Egg	\$1.10
30 Egg	1.85
50 Egg	2.50
100 Egg	4.00



**Prices No. 2 Carton.**  
Two partitions. Heavy Card Board.

500 Boxes	\$ 6.50
1000 Boxes	10.50
5000 Boxes	40.00

**No. 3 Carton.** 4 partitions. Made single Manila pulp lined, chip board.

500 Boxes	\$ 4.50
1000 Boxes	7.00
5000 Boxes	30.00

No. 2 Carton

Made of extra strong corrugated cardboard. Stand 5 men's weight. Cushion effect. Dead air cells keep out cold and heat. Chick boxes have correct ventilation. Glued tape seals boxes. Will deliver chicks or eggs 8,000 miles with safety, and eggs in hatchable condition. Satisfaction guaranteed or money returned. Put up in packages of 1 dozen. 25 cts. extra for each package broken. Sample box 25 size chick or one setting, egg 25c postpaid. Use **RIPPLEY'S EGG CARTONS** to ship—mail—eggs to city. Your name or farm printed in 1 color. Made of strong chip cardboard. Folds flat for shipment. 30 doz. can be packed in egg case.



**Perfect Chick Boxes**  
100 Chick Size - \$2.85 per doz.  
50 Chick Size - 1.75 per doz.  
25 Chick Size - 1.25 per doz.

**Catalog Free** Tells all about Rippley's Boxes, Cartons, Brooder Heaters, Hovers, White-washers, Sprayers, Coops, Carts, Feed Cookers, etc. **RIPPLEY MFG. CO. Box 027, Grafton, Ill., U.S.A.**

## Knocks 'Em Stiff in a Jiff

There isn't a ghost of a show for lice and mites on hens, chicks or nests after a dust with the old reliable Lambert's Death to Lice. It knocks 'em stiff in a jiff. As one of the big successful poultrymen wrote us, "It is impossible to get along without your louse killer," so it is with every user. There's nothing so efficient.

## Don't Experiment

Follow the example of the leaders—ask any successful poultryman which lice killer has been the standard for 30 years—which is acknowledged BEST. He will tell you to

### Get Lambert's

**OLD RELIABLE DEATH TO LICE**



because he has found it **always** the BEST.

Don't expect to make your hens pay and permit lice to worry and annoy them. The lice will get the profit and often the hens and chicks, too. A few cents invested in Death to Lice will bring dollars in profit. Just the thing for layers, sitters, and exhibition stock. Will not injure eggs, chicks or hens or soil plumage. Get a 5 oz., 10c box at dealers to try (or send to us direct if he can't supply you). Other sizes 25c, 50c and \$1.00. Lambert's Latest copy of "POCKET BOOK OF POINTERS," a valuable book for poultry raisers. Mailed for 2c stamp.

**O. K. STOCK FOOD CO.**  
501 Traders Bldg. Chicago

## Natural Hen Incubator Approved by Over 550,000 Buyers 200-Egg Size, Only \$3



J. F. Siems Patentee

### A Very Simple System

The Natural Hen Incubator is no experiment. It has been tested by over half a million people. There are no lamps, no oil, no deadly fumes and no costly mistakes. **No freight to pay.** Eggs stay in healthy, sanitary condition during entire hatch. Different from any other incubator. Has all advantages of old fashioned, setting hen and gives greater percentage of saved, healthy chicks than in artificially heated incubator. A. A. Linnett, Kan., writes: "I have just set my N. H. Incubator for the third time. First hatch, 99 chicks from 102 eggs; second, 97 chicks from 104 eggs." Thousands of other voluntary testimonials. More agents wanted. Write today for FREE Catalog telling all about it and containing special introductory offer.

**NATURAL HEN INCUBATOR CO., Sta. H., Dept. 4, Los Angeles, Cal.**

## Our Trade Mark Guarantees Quality



It assures absolute satisfaction to the purchaser. It means highest quality of product—sturdy vitality and purity of strain. It stands for years of careful breeding and selection. It protects buyers of Michigan Poultry Farm

### White Leghorn Chicks and Breeders

The fact that we sell half our stock in advance every year to old customers, is certainly strong evidence of the quality that the Michigan Poultry Farm Trade Mark represents. Our satisfied customers write our best ads.—read the testimonial below.

## Only the Most Modern Equipment is Used at Michigan Poultry Farm

We have mammoth incubating capacity of 60,000 eggs at one time. Our cellars, brooders, runs, ranges and houses are faultless in construction and efficiency. They are built right and managed properly.

**Our Stock is Vigorous—Heavy Laying** through years of careful and intelligent breeding. Our birds are trim, clean of line and limb, and possess stamina and fertility.

Write for our catalog—it will save you money. It contains full description and prices. Free.

**MICHIGAN POULTRY FARM**  
Lansing, Mich.

Birmingham, Mich., Jan. 13, 1913.  
Michigan Poultry Farm,  
Lansing, Mich.  
Gentlemen:

I am more than pleased with the egg yield from the chicks hatched last year. They have been laying steadily since October and I have never received less than 40 cents per dozen, and part of the time, 50 cents per dozen.

I use Open Air Houses, and, as cold as it is now, I collected today and yesterday 75 eggs from my 175 pullets. This average keeps right up.

I cannot say too much for the stock I received from you last March.

Sincerely yours,  
(Signed) M. O. FLOYD.



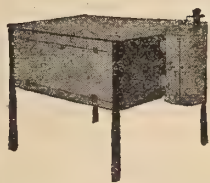
# LOYD'S PRIZE WINNING PARTRIDGE PLY. ROCKS

## ARE STILL WINNING

At Indianapolis, Feb. 3-7, 1913, we won as follows on twelve entries—Cock 1-2-5; Hen 2-4-5; Cockerel 1-3; Pullet 1-3-4. 11 prizes on 12 birds. No pen shown. At Cleveland, Jan. 20-25, 1913, Cock 1-3-5; Hen 2-4-5; Cockerel 2-5; Pullet 2-4 First Pen and special for best display. Send for 1913 mating list, and start right with the right breed.

C. J. Loyd & Son Greensburg, Indiana

## All Steel Triple Wall Double Air Space Incubator



It bears the label of the Fire Underwriters, which insures durability and protection. It is built entirely of metal, with exception of the pressed fibre inner lining. Double air space on all sides, top and bottom. Send for our catalog showing the most complete line of Poultry Supplies in the United States. When writing mention A. P. J.

Macomb Poultry Supply Co. Box A Macomb, Illinois

## Champion R. C. Black Minorcas

Win for us again this year at Madison Square Garden, New York. New York 1911 cock 1st on one entry; 1912-1913—cock 4th, hen 1-2, cockerel 2d, pullet 1-4, pen 1st, best display ten exhibitors, 71 birds on exhibition. At the International, London, October, 1912, won cock 1-2, hen 1-2-3, cockerel 1-2-3-4 pullet 1-2-3-4, all specials, silver cup for best exhibit of Minorcas. Ontario, Guelph, December, 1912—Cock 2-3, hen 1-2-3, cockerel 1-2-3, pullet 1-2-3, best display. These winnings together with previous years at Scranton, Pa., and all leading Canadian shows places our champions in the front ranks. Come to headquarters and secure the best. Remember your success is our success. Eggs and stock for sale, prices right. Muscovy Ducks. Mention American Poultry Journal when writing.

Ross Swartout, Mgr. and Prop., Geo. Rott, Farm Supt., Box C, Newport, Ont., Can.  
A. P. A. Member International R. C. B. Minorca Club Canadian Minorca Club Member

## SPRING WATER'S FAMOUS S. C. W. LEGHORNS

WE HAVE NO OTHER BREEDS

### Day-Old Chicks Eggs for Hatching

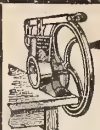
No strain can excel "Spring Waters" for vitality and the necessary qualities to produce prize winners. At the recent Baltimore show we won 2 firsts, 2 seconds, 1 fifth and 1 eighth. Our First Prize Pullet being the sensation of the show.

### Our Prices Will Please You Our Treatment Must Satisfy You

What we guarantee: That chicks will be hatched from eggs laid by our breeders only; the safe arrival of our chicks; the fertility of our eggs, and that you must be satisfied if dealing with us. Our capacity is 20,000 eggs at one sitting. We have a few choice Breeding Cockerels to dispose of. Write for free illustrated booklet. Write us before placing your order for this season's wants.

Spring Water Poultry Farm : Stockton, N. J.

## Crown Bone Cutter



FEED your hens cut green bone and get more eggs. With a Crown Bone Cutter you can cut up all scrap bones easily and quickly, and without any trouble, and have cut bone fresh every day for your poultry. Send at once for free catalogue. WILSON BROS., Box 801, Easton, Pa.

Best Made Lowest in Price

## HIGHEST SCORE EVER WON

100

Envelopes,  $3\frac{1}{2} \times 6\frac{1}{2}$  inches, an extra strong, thick, smooth, slick, white writing face, and 120 Letterheads,  $8\frac{1}{2} \times 11$  inches, heavy, hard, smooth, slick, pure white writing paper, all artistically printed and illustrated with latest new Standard cuts of your breed for only \$1.00. Express charges paid by me. Better printing for the price was never done. No order less than \$1.00 filled. Name your Express office. Cards, tags and egg labels same price as above.

Address, J. R. HUDSON, Hardin Springs, Ky. I have seen samples of Mr. Hudson's printing. It is very nice; he is perfectly honest.—EDITOR.



## WHITEWASHING

and disinfecting with the new "Kant-Klog" Sprayer

gives twice the results with same labor and fluid. Also for spraying trees, vines, vegetables, etc. Agents Wanted. Booklet free. Rochester Spray Pump Co., 210 Broadway, Rochester, N. Y.

## MAKE HENS LAY

By feeding raw bone. Its egg-producing value is four times that of grain. Eggs more fertile, chicks more vigorous, broilers earlier, fowls heavier profits larger.

### MANN'S LATEST MODEL Bone Cutter

Cuts all bone with adhering meat and gristle. Never clogs. 10 Days' Free Trial. No money in advance.

Send Today for Free Book.

F. W. Mann Co., Box 56, Milford, Mass.

## Disinfect Your Poultry House

Destroy lice, all vermin, prevent disease. Spray disinfectant or whitewash, with

### BROWN'S AUTO SPRAY

Does most work, easiest, at least cost. Auto pop nozzle. Handles all thick and thin solutions. Brown's Non-Clog Atomic Nozzle for large sprayers—big money-maker. Write for Spraying Guide, Free. The E. C. Brown Co., 52 Jay St., Rochester, N. Y.

## CORNELL GASOLINE BROODER HEATER

Equal to five Kerosene Heaters

Cares for 250 Chicks  
Needs little attention  
No lamps to trim  
No ashes, no dirt, no soot  
Absolutely safe  
Perfect ventilation

PRICE COMPLETE

\$10.90

CAPACITY

250  
CHICKS



Recommended by the New York State College of Agriculture  
Send for free catalogue  
TREMAM, KING & COMPANY  
Dept. 203  
ITHACA, N. Y.  
Manufacturers of Poultry House Appliances



**FRESH CUT ROOTS**  
—contain great quantities of egg-making material. Makes your hens lay! Saves money on feed—insures your profits. Keeps all fowl in top notch condition. Banner Root Cutter makes enough feed in 5 minutes for entire flock. Cuts fast, in rib-bone-like strips—easy for chicks to eat.

**More Eggs!**

No. 7  
**Banner Root Cutter**  
cuts all vegetables—potatoes, cabbages, etc. Has adjustable steel knives. Low priced, nicely finished. Send name in now on postal for free book of all facts. Address  
**O. E. Thompson & Sons, Ypsilanti, Mich.**



**HERE IT IS FOR \$4.00**

**A GREAT BIG HAND GRINDER**

that will save its cost several times a year and will furnish one to two bushels per hour of fresh ground corn, oats, peas, dry bone, oyster shells, nut shells, dry stale bread, etc., for poultry feed, or will grind table meal for family use.

A child can operate it. Thousands sold annually. Shipping weight 40 lbs. We also build a full line of Power Feed Mills, Samson Wind Mills, Gasoline Engines. Ask for catalogs, stating line in which you are interested.

**Stover Mfg. Co., 318 Plymouth St., FREEPORT, ILL.**



## Hen Growth Made Sure

The road from chick to hendom has many pitfalls. From the breaking of the shell to the pullet stage is the most critical period—the structure-building period—when stout muscles, rich blood and abundant feathers must be developed. The reason why many chicks do not reach maturity in full vigor is the prevalence of such common troubles as gapes, cholera, roup, indigestion, etc.

## Dr. Hess Poultry Pan-a-ce-a

cures and prevents these difficulties, hastens maturity, tones up dormant egg organs, shortens the moulting period. Chicks brought up on Dr. Hess Poultry Pan-a-ce-a become prolific layers—the only kind of fowl worth while feeding. The cost of this preparation is very small—a penny's worth feeds thirty fowl per day.

1½ lbs. 25c (small or express 40c); 5 lbs. 40c; 12 lbs. 51.25; 25-lb. pail \$2.50. Except in Canada and the extreme West. If your dealer cannot supply you, we will. Send 2c for Dr. Hess 42-page Poultry Book, Free.

Dr. Hess & Clark, Ashland, Ohio.  
Manufacturers of Stock Tonic  
Dr. Hess

## WHITE ORPINGTONS - WHITE ROCKS

INTERNATIONAL CHAMPIONS

Birds from my yards have won at Dairy and Palace Shows in England, also in New Zealand and at every big show in Canada, New York State Fair 1911 and 1912, ten firsts; Michigan Roundup show, five firsts; Madison Square 1911, 1st, 2d, 3d, 5th and 6th. Birds sold on approval. Duty paid to the United States. Send for mating list. Please mention American Poultry Journal when writing.

**HIGHWORTH POULTRY YARDS : Fred A. Andrewes, Prop. : LONDON, CANADA**

## CHERRY REDS WIN AGAIN

SINGLE COMB

Ashtabula, O., Dec. 1912, 1st pen; 2d, 3d cockerel; 2d display. Have mated 4 pens, headed by 1911-1912 winners. Eggs \$5.00, \$3.00 and \$2.00 per 15 after March 1st. Drop a card for mating list. Few cockerels left at \$5.00. When writing please mention American Poultry Journal.

**ERNST F. BIRKHOFF BOX C WILLOUGHBY, O.**

## RANCOCAS WHITE LEGHORNS WIN

Quite recently it was at the Syracuse Fair—all first prizes but one awarded to RANCOCAS White Leghorns, with additional winnings for RANCOCAS White Plymouth Rocks. This time it's the Trenton State Fair. RANCOCAS birds win championship, two silver cups, 29 ribbons, Cash Prizes. Here's the Trenton list:

**White Leghorns**  
1st and 2nd cock.  
1st and 2nd hen.  
1st, 2nd and 4th cockerel.  
1 pullet.  
1st pen.  
Best display and all specials.

**These  
WIN**

**White Plymouth Rocks**  
4th cock.  
3rd and 5th hen.  
1st cockerel.  
2nd and 4th pullet.  
Silver cup for best cockerel in Show and championship.

If you want to win prizes, show RANCOCAS birds. We supply birds for competition and condition them for shows. For full particulars write

**RANCOCAS POULTRY FARMS,  
INTERNATIONAL POULTRY SALES CO., Box 572, Brown's Mills-in-the-Pines, N. J.**

**WE  
GUARANTEE  
SAFE DELIVERY  
DAY OLD  
CHICKS**

**215  
EGGS  
A YEAR**

**WE  
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TO REPLACE  
ALL INFERTILE  
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A flock of 31 Pullets grown from our Chicks averaged 215 Eggs a year in the hands of a customer—an amateur.

**READ OUR NEW BOOKLET—FREE—AND  
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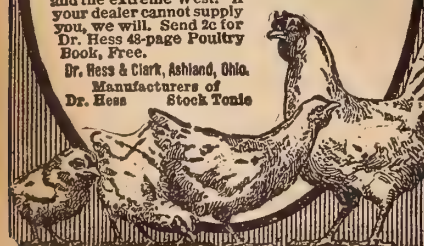
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You are sure of saved time, lighter work, and bigger crops when you use implements marked

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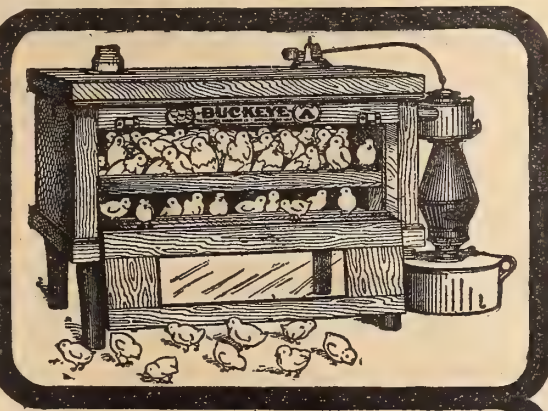
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Buckeye  
Guaranteed  
to Hatch  
Every  
Hatchable  
Egg



THE illustration shows the 60-egg Buckeye Incubator—a machine complete and guaranteed in every respect. This size costs only \$8.00. Buckeye Incubators are made in five sizes—60-egg to 350-egg. They are equipped with every desirable device to hatch strong chicks that live and thrive. The Buckeye has the reputation of hatching bigger, stronger chicks than any other incubator. Certainly, no other approaches it in popularity. Think of it! Over 325,000 in actual use. 100,000 sold last year—more than any other make. Its simplicity is unapproached. Thousands buy them who have never before operated an incubator and bring off successful hatches.

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You can buy a Buckeye in your own town—see it in operation before you buy—and prove to your own satisfaction that it will hatch more chicks and stronger chicks than any other method. Write us for the name of the firm who represents us in your town—then go and see the chicks hatching. Your name on a postal will bring you our dealer's name and our catalog.

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Anybody Can Hatch Chickens with a  
**BUCKEYE**



## MONEY MAKERS

35 varieties. Chickens, Ducks, Geese, Turkeys, O. I. C. Hogs. Fine stock and eggs at low prices. Big illustrated circular and beautiful picture, 16 x 20, in colors, only 10c. Don't miss it.

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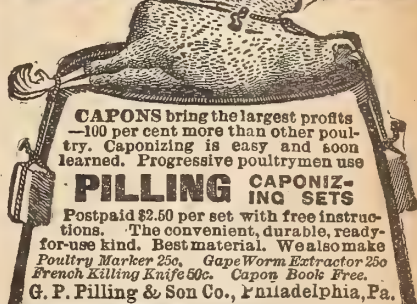


Serves a double purpose. It grinds the bird's food, thus aiding digestion and also furnishes shell and egg-making material. It

### Makes Hens Lay

It furnishes strength and feather making material enabling hens to molt and lay at the same time. Send for our new valuable poultry booklet giving prices. The Ohio Marble Co., 108 Cleveland St., Plqua, O.

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CAPONS bring the largest profits—100 per cent more than other poultry. Caponizing is easy and soon learned. Progressive poultrymen use

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Postpaid \$2.50 per set with free instructions. The convenient, durable, ready-for-use kind. Best material. We also make Poultry Marker 25c, Gape Worm Extractor 25c, French Killing Knife 60c. Capon Book Free. G. P. Pilling & Son Co., Philadelphia, Pa.

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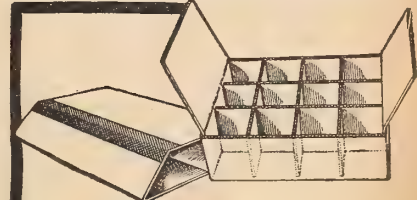


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Very early, crisp and tender.

Dwarf Giant Tomato  
Extra Early

### FOR TESTING

Dwarf Giant Tomato. Grows two ft. high produces enormous size Tomatoes. They often weigh one or two pounds each; color crimson; a wonderful bearing plant. We will send a trial package of each to any one who writes, also our new 1913 Seed Catalog included (4 colors)—all FREE. Write Today. Smith Bros. Seed Co., Box 22, Auburn, N. Y.



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Safely Carry Fancy and Market Eggs at a Saving.

The boxes are made of corrugated paper with double faced corrugated paper partitions. Absolute protection is assured to contents. Weigh less than other methods of packing and carry better.

### STOCK SIZES

For Market Eggs	For Fancy Eggs
1 Dozen Capacity	1 Setting
2 " "	2 " "
3 " "	50 Egg
4 " "	
5 " "	

Write for Parcel Post Package Leaflet.

**THE SEFTON MFG. CO.**  
1329 W. 35th ST. CHICAGO, ILL.



# **Ironclad Wins in Biggest Hatching Contests** EVER HELD

**140  
EGG**



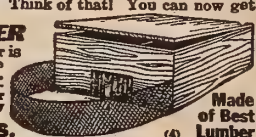
Mrs. C. F. Merrick, Lockney, Tex., with her 140 egg Ironclad Incubator wins in the Mo. Valley Farmer and Neb. Farm Journal Big Hatching Contest in 1912. She placed 148 eggs in the incubator and hatched 148 strong chicks. Think of that! You can now get these famous winners. Ironclad also won in 1911 contest.

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if ordered together for only \$10.00; freight prepaid east of the Rockies. Incubator is made of California Redwood, covered with galvanized iron and asbestos, hot water type, triple walls, copper tank and boiler, self-regulating, Tyson thermometer, O. K. burner, egg tester, nursery, complete, set up ready to run. Brooder is large, roomy, well made with wire scratching yard. Complete material and construction with other makes; if you do you'll surely order Ironclads. Guaranteed 5 years. 30 days trial. Order direct from this ad., hundreds do, money back if not satisfied. Or write for free catalog. Ask the publishers of this paper about us.

**IRONCLAD INCUBATOR CO., Box 17**

**RACINE, WIS.**



**Both For  
\$10  
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Made of Best Lumber

# **Smith's White Leghorns**

Winners at Chicago, St. Louis, Indianapolis First Pen at National Club Meet, St. Louis, Nov.-Dec., 1912. Stock, Eggs for Hatching and Day-old Chicks at prices consistent with quality. Booklet Free. Eugene C. Smith, 317 Galena Blvd., Aurora, Illinois.

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**KEEPS IN ALL SIZES OF CHICKENS AND RABBITS**



**KEEPS OUT ALL SIZES OF PROWLING ANIMALS**

This is the best looking, strongest, and by far the most *effective* and *durable* fence ever designed for chicken and rabbit purposes.

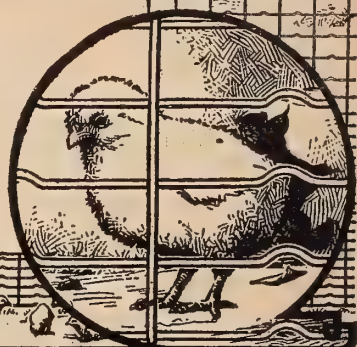
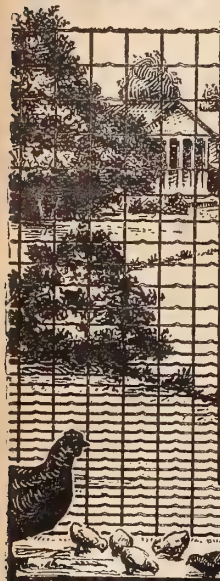
Up 1½ feet from bottom of fence, wires are only 1 inch apart. Small poultry or animals *can't get through*. Upright wires are either 4 inches or 6 inches apart, as desired.

The wires used are twice as heavy as in ordinary poultry netting, and the *Electrically Welded Joints* produce a *one-piece fabric* which stands stiff, even and firm for years.

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Makers of "Pittsburgh Perfect" Brands of Barbed Wire; Bright, Annealed and Galvanized Wire; Twisted Cable Wire; Hard Spring Coil Wire; Fence Staples; Poultry Netting Staples; Standard Wire Nails; Galvanized Wire Nails; Large Head Roofing Nails; Single Loop Bale Ties, and "Pittsburgh Perfect" Fencing.



FIRST PARTRIDGE WYANDOTTE CKL.  
MADISON SQUARE GARDEN—Dec. 1911

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**FOR UTILITY AND BEAUTY**

PARTRIDGE WYANDOTTES are the **great utility** birds of the day, and on account of their superior merit are rapidly displacing the older breeds. As to the **fancy quality** of "Premier" Partridge Wyandottes, at the big shows last season we won fifty-one first prizes out of a possible sixty-three, and this season, to date, **we have won sixty-one firsts out of a possible sixty-seven**, a record never equalled by any breeder. Our birds have won at New York, Boston, Chicago, Buffalo, Syracuse, Hagerstown, Allentown, Columbus, Indianapolis, Springfield and Brockton. **Eggs for Hatching. Baby Chicks. Breeding stock. Excellent values in \$5.00 and \$10.00 birds.** Send for your copy of "The Partridge Wyandotte Book." 1913 mating list now ready.

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H. B. HARK, MANAGER POULTRY DEPARTMENT  
GLENDALE . . . . . OHIO



# ANCONAS

Howlett's Famous Laying Strain—Persistent winter layers, 15 mated pens for the hatching egg trade this season, catalog free. Our ANCONAS have won in every show this winter where shown. The eggs we sell for hatching are from the same pens we hatch our own show birds, both combs.

East Orange Ancona Yards

F. J. Howlett, Manager  
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Scientifically Hatched, Large, Strong, Healthy

Birds that win. Birds that lay. Capacity this season, 250,000 eggs. Prompt replies. Prompt deliveries. Single Comb White Leghorns and Rhode Island Reds (both combs) our specialties. Also Barred and White Rocks, S. C. Brown and White Leghorns, S. C. Black Minorcas, Buff, White and Black Orpingtons and

## INDIAN RUNNER DUCKS

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Stock, Eggs, BABY CHICKS For Sale

**CHAMPION WINNERS  
CHAMPION LAYERS  
CHAMPION PAYERS**

Four Firsts and Four Seconds on Buff Orpington  
Fowls and Ducks at the Great Chicago  
Show, Dec. 12-18, '12

## DO YOU BREED "Sunswick Strain"

S. C. BUFF ORPINGTONS and  
BUFF ORPINGTON DUCKS  
Or Just Orpingtons?

The Great Buff Orpington Specialty Breeders of  
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**Sunswick Poultry Farm**  
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Rufus Delafield, Owner

Send For Mating List and Catalogue

Inspection Invited

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are the acknowledged leaders. Firmest and most secure lock. GUARANTEED to stay on. Price, postpaid, 12 for 15c; 25-20c; 50-35c; 100-60c; 175-\$1.00; 200-\$1.10; 500-\$2.50. Price list and sample 2c.

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and calendar of fine, pure-bred poultry for 1913. This book contains many pages of poultry facts, 70 different varieties, some shown in natural colors, all illustrated and described. Tells how to make hens lay, raise and care for them, all about the Famous Greider Incubators and Brooders. Shows photo of the largest poultry farm in Penn. Prices of breeding stock and eggs for hatching, and supplies within reach of all. A perfect guide to all poultry raisers. Send 10c for this noted book on poultry.

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Here is the king of all Tomatoes, largest and most productive, fruit often weighing 3 to 5 lbs., each, and 100 to 150 lbs. have been grown on one plant, very smooth, few seeds, solid all through, ripens early, being a handsome red color. A few plants will produce more Tomatoes than any family can use.

### OUR SPECIAL OFFER

We want every person who uses seeds to see our 1913 Seed Book and try this Gigantic Tomato and we will send a sample packet for trial, with Seed Book Free. This book is full of new Vegetables, Fruits and Flowers. Send your address plainly written on Postal today. Fairview Seed Farms, Lock Box 122, Syracuse, N. Y.

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I keep hens because I enjoy them and because I want fresh eggs.

What is more, I get them. All winter my small flock will average 40 to 50 eggs a day, and I have gathered 68, and I am not a professional poultryman. I usually keep about 70 hens. Around me my neighbors were not getting any. That is, they did not until I told them how. Now they get as many as I do. They say I Humphreyized their hens, and I have adopted that word for my own.

I will tell you how to Humphreyize your hens, so you can get eggs right through the winter months. If you have no more than 10 hens, it will pay you to Humphreyize them. It costs you nothing to find out how, and I will give you a

It makes no difference what breed you have. Some breeds are better winter layers than others, but any breed can be Humphreyized



**30  
Days'  
Free  
Trial**

and made to lay in winter. The increased egg crop will, in a short time, more than pay the cost, while the feed bill will actually be about half what it now costs you when, perhaps, you get no eggs.

A piece of fresh bone which you can get at your butcher's for nothing, or a few cents at the most, is a part of Humphreyizing, but if you will

**Send for my book  
"The Golden Egg"**

which is free—you will get the whole thing. I tell you how to care for your flocks month by month, what to do in case of sickness—in fact, my book is an easily understood guide. With it you can make your hens lay, and give vigor and strength to the whole flock. Send for a copy to-day and begin to Humphreyize.

**HUMPHREY**  
White St. Factory Joliet, Ill.



This Is A Little Larger  
Than The Egg Produced at  
The Oakland Poultry Farm  
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But-you can get egg producing and Exhibition  
Stock either in hatching eggs or baby chicks  
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**S.C. WHITE LEGHORNS**  
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are Accurate and Reliable. They insure a Certainty  
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No brooder is better than its thermometer. You  
MUST be sure, Mr. Poultryman, that the temper-  
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You CAN'T AFFORD to run risks with chicks.

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Brooder Thermometers are ABSOLUTELY DEPEND-  
ABLE. They are made right and are thoroughly tested  
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### PRICES

Tycos Brooder Thermometer (Like Cut)	. . . . .	\$ .75
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Tycos Hygrometer	. . . . .	1.50
Tycos Electric Alarm Thermometer	. . . . .	5.00
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"I get 20% better hatches than I did before using "Tycos" Thermometers on my machine."

**Taylor Instrument Companies,**

World's Largest Makers of Thermometers for all  
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Write for Free Illustrated Booklet  
"Incubator Thermometer Tips"







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At the great Grand Rapids, Mich., Show, I won on Whites, 2d, 3d and 4th cocks: 1st cockerel; 1st pullet; 4th hen; 1st pen; special best exhibit in English class. On Buffs, 1st cock; 1st cockerel; 1st and 2d hen; 2d pen; special best display. At Kalamazoo, Mich., Dec. 1912, on Whites, 1st and 2d cocks; 2d and 3d cockerels; 1st and 2d pullets; 1st pen; sweepstakes for best cock, cockerel, hen, pullet and pen; sweepstakes best pen in show. All of the above prize winners are now in my breeding pens and will reproduce themselves. Also some choice birds for sale. Catalogue and price list free.

Eggs for Hatching—**C. A. Keefer, (Edgemere Farm), AR 5, Muskegon, Michigan**

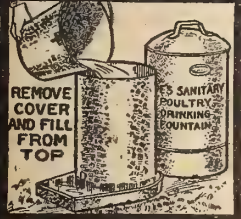
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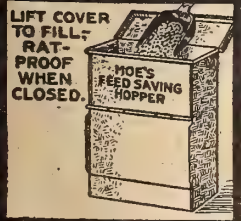


Dead air space between cover and reservoir keeps water cool in summer and from freezing in winter. The nearest thing to a non-freezing fountain that can be constructed without the use of artificial heat. Easily cleaned as an ordinary pail. Sanitary and humane. Manufactured in three sizes: One, two and four gallon capacity.

REPLACE COVER AND YOU HAVE A CONTINUOUS SUPPLY OF PURE WATER



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Cuts down your feed bill; improves the quality of your birds. Hopper feeding with well selected mixture is one of the best known winter egg producers. Feed cannot clog on account of simplicity of construction. Manufactured in one size only, adapted to feeding fifty fowls.

WHEN FILLED, FOWLS CAN NOT HOOK FEED OUT AND WASTE IT.



If not at your dealers write us to send you one on approval carrying charges prepaid and when you are satisfied that it is what you want, we will make you a special price on your requirements.

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THE EMPIRE STRAIN  
ALWAYS WINS.



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MADISON SQUARE GARDEN.

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is all galvanized iron, is non-waste, rat, sparrow and wind proof Hoppers. Price \$4.50 to \$6.50. Send for free folder.

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Will furnish you large white eggs during the entire year and will win many Gold and Silver Trophies for you. Our free 1913 catalog contains list of winnings, special pen offers to beginners and explains our very liberal guarantee on stock and on

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Over 700 illustrations of vegetables and flowers. Send yours and your neighbors' addresses.

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Mature them quickly and increase their egg yield by using Blatchford's Fill the Basket Egg mash, containing Blatchford's Calf Meal, (complete milk substitute). Combined with bone meal, beef scraps, fish, milk, etc., in the correct proportions for the best results. Equal to beef and milk at half the cost. Get full particulars at your dealers or address

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Here is a lot of berry plants of the very best varieties that I want you to try, and let me know how they do for you. Some are high-priced new sorts. Others are my improved strains of older sorts. The fifty-five plants are worth \$3.50 at the lowest retail prices. I will send them to you for \$2.00.

Plants set this Spring should produce a few berries next Summer, many more in 1914, and more than 100 quarts per year of the finest kind of fruit in 1915 and afterward—fully \$25 worth a season if you sell it. The Himalaya Berry, Macatawa Blackberry, Currants and Gooseberries will last as long as apple trees.

### The Ten Different Kinds

1 Macatawa Blackberry; 1 12-month Himalaya; 2 2-year Currants, Perfection and Biskoop Giant; 18 Raspberries, 6 Superlative red, 6 Shepard's Pride red, 6 Plum Farmer black; 8 Gooseberries, 2 Winham, 6 Gold Drop; 25 King Edward Strawberry.

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A. Mitting, Berry Specialist  
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Arenac Ave., Holland, Michigan

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Sold direct to you from factory at small profit! No frills or fancies but a real hatchery, made to last for many years and maintain the Mankato reputation for quality. Think of it! \$4.95 for 50 eggsize, other sizes at equally low prices. Brooders too. Wait before you buy. Get facts. See how little you need pay for the machine you want. Results are what you expect and what you get with the Mankato! Don't throw money away by paying a cent more than our rock bottom prices. The Mankato is the

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Case made of fine Redwood. Asbestos lined, triple walls, heavy pure copper, hot water heating system and boiler, perfect automatic regulator, correct ventilation, safety lamp, high nursery, strong egg tray, tested thermometer and all "extras" free—all set up complete ready for oil and eggs. None better at any price and few equals at \$5 to \$10 more than we ask. **BOOK FREE!** Send postal for book of proof. All about construction and results. A complete poultry guide. Don't wait!

**MANKATO INCUBATOR CO., BOX 821, MANKATO, MINN.**



Large size, \$8.25

Brooders equally low.

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Mankato incubators and brooders are based on 18 yrs. exp. Don't want book of facts and figures telling all about them. Write a postal NOW!

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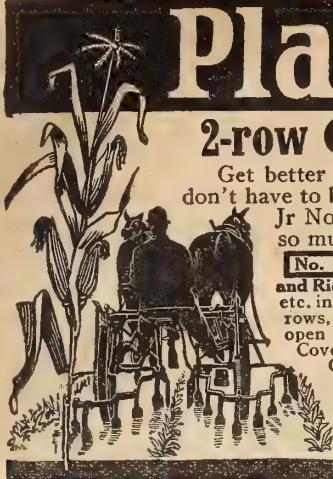
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to make roofing *lastingly*  
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Roofings made of various compositions give protection and service only till their "compositions" disintegrate and let them leak. The roofing for real endurance is

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THE TRINIDAD-LAKE-ASPHALT

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Many substitutes are manufactured products whose oils of value have been extracted for other purposes, leaving a hard black pitch—a lifeless mass that gives roofing but little resistance. It soon cracks, breaks, and leaks.

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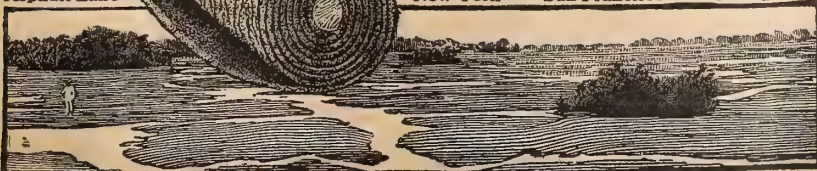
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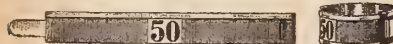
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Mineral Surfaced. Needs No Painting.  
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Winners at the largest shows. Eggs for hatching after June 1st, \$2 per 15, or \$3.50 per 30.

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Big Black Figures on White Background.

All colors, all sizes, for all fowls, and pigeons. Birds identified without handling. Saves time and labor. Very durable and practical. This is a modern 20th century band, everybody likes them. Baby chick bands, 18 colors, not numbered. Samples and catalog 2c stamp. Mention A. P. J.

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SEND A POST CARD TO:  
DAY for The "Why and How of the Miller System." You will see that we positively guarantee each hen will net \$60 per year. Show our guarantee to your lawyer. Address  
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## WHITE ROCKS, SILVER CAMPINES MOTTLED ANCONAS, BLACK LANGSHANS

Are the four varieties bred on the Urban Farms, and their show record is unexcelled. Write for prices and particulars and mention Am. Poultry Journal.

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## MILLIRON WHITE PLYMOUTH ROCKS

Winners at Pittsburgh, Pa., Kittanning and other leading shows. A few breeders for sale. Eggs for hatching, \$5 per thirteen. Write your wants.

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By ordering plans and instructions How to Build Beck's Economy Brooder Coop, the missing link between the incubator and hen house; it is the cheapest and most durable brood coop on earth. It is rat and storm-proof, sanitary and easily kept clean. Chicks will be stronger, death rate lower, which means a saving of from 5 to 20 chicks out of each 100 chicks. More than enough to pay for coop. Cost of material, \$2.40; capacity 120 chicks up to 12 weeks old. Just the thing for broilers. Blue print plans and instructions \$1.00. Rufus Beck, Sullivan, Wis.

## Baby Chicks

Weja Strain S. O. White Leghorns;  
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White Wyandottes; Ringlet Strain  
Barred Rocks, 10c up. 12,000 egg incubator capacity. Our 8th year handling baby chicks. Send for free catalogue.

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Line bred from the strongest blood lines of prize winning and heavy laying strains to be found.  
Eggs and baby chicks. Mating list free.

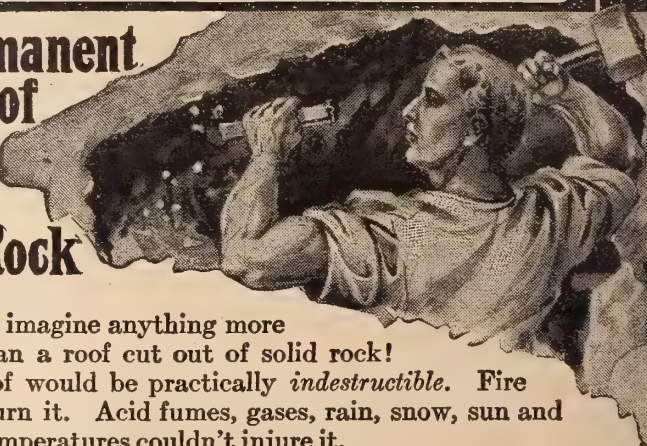
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## FELCH OFFERS

The product of his breeding pens of 1912 in Brahmas, White Orpingtons, White and Barred Rocks and White Wyandottes that seem better than any previous years output. Send for circulars and particulars. Mention A. P. J.

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## As Permanent as a Roof cut out of Solid Rock



Can you imagine anything more durable than a roof cut out of solid rock!

Such a roof would be practically *indestructible*. Fire couldn't burn it. Acid fumes, gases, rain, snow, sun and extreme temperatures couldn't injure it.

A roof of this description—a roof that is cut from solid rock to all intents and purposes—is

## J-M ASBESTOS ROOFING

This roofing is made by crushing solid Asbestos Rock and compressing the long fibres into a dense, homogeneous felt. Several layers of this rock felt are then permanently cemented together with nature's greatest water-proofer, Trinidad Lake Asphalt making a light-weight roofing that is virtually a *solid sheet of pliable stone*.

J-M Asbestos Roofing forever rids you from the expense of repairs. *No coating. No graveling. Everlasting* After more than a quarter-century of service J-M Asbestos Roofing shows no signs of deterioration. It is the cheapest of all roofings from the cost-per-year standpoint.

Adapted to any building and any climate. Easily and quickly applied. If your dealer can't supply you, we will ship direct.

Write our nearest branch for sample of the Asbestos Rock from which this roofing is made and Illustrated Book No. 2326

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## S. C. White Leghorn Baby Chicks

10 cents each. Safe delivery guaranteed. Place your order NOW and avoid the rush.

### HATCHING EGGS

Jan.	\$ 1.25 for 15 Eggs	April	\$ 1.00 for 15 Eggs
Feb.	3.50 for 50 Eggs	May	2.75 for 50 Eggs
March	6.00 for 100 Eggs	June	5.00 for 100 Eggs
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80% Fertility Guaranteed

Richland Farms : Box 79 : Frederick, Md.

## White Diarrhoea! GUARANTEED CURE

J. O. Fishel says it does the work. Big box 25 cents. Nabob Remedy Co., Box 1, Gambier, Ohio

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"Improved Champion" Strain—Chicago winners. Few cockerels. Eggs and chicks. Crystal White Orpingtons and White Runner Ducks. Stock and eggs; chicks and ducklings. Special sale of trios and pens of Orpingtons. Mention A. P. J. when writing.

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## Golden Wyandottes

At the great and noted Boston Show Jan. 1913, I won on Golden 1st display; 1, 2 and 4 cock; 1, 4, 5, and 6 hen; 1, 4, 5, and 6 cockerels; 1 and 5 pullet; 2 pen and a lot of specials. I have a fancy lot of stock for sale, but no eggs this season. Please mention A. P. J.

LOREN H. BROWN

Lock Box 16 Lunenburg, Mass.

## Day Olds

White Indian Runner ducklings, 50c each. Single Comb White Leghorn chicks, 15c each. Fancy hatching eggs, half above prices. Safe arrival and fertility guaranteed.

Our White Runners are pure line bred, and most prolific layers known. We have four generations in our yards and know what they produce. Guaranteed never one feather or egg but white. They have brought home many prizes. Have won first wherever shown. They paid us \$50.00 each last year. It pays to start with good ones.

Our Leghorns have 205 acres of alfalfa and fields interspersed with spring branches and shade to roam over. No male in our breeding yards whose mother has not produced 200 eggs in one year. Incidentally we have a box of blue ribbons they have won. We raised over 95% ducklings hatched and over 90% Leghorn chicks last year. This speaks more than pages as to health and vitality of our flocks. Booklet telling our way free to all customers—not for sale. It contains no wonderful secret, but is a simple work-a-day outline that has proven satisfactory with us. Order direct from this ad. Money back without argument if you are not satisfied. Catalog upon request.

JAS. R. SYNDER  
BOX O. FRAZER, MO.

## YOURS FOR THE ASKING

Every person who contemplates the rearing of Baby Chicks the season of 1913 will find it to their advantage before making a start to secure a copy of our "Directions for the Feeding of Little Chicks." Mailed free on request.

R. D. EATON GRAIN & FEED CO.  
Dept. J. NORWICH, N. Y.

## BUFF ORPINGTONS

At the Great Northern Ohio Fair, I won first cock, second hen, first and second pullets, and second pen. My Orpingtons are especially bred for size, for winning prizes, and for egg production. They will not disappoint you. I have five grand pens mated for the egg trade. Get my mating list. It is free. I have a few more grand males for sale that are buff to the skin. Write your wants, I can please you.

CARL E. ROGERS :- R. D. No. 2 :- PAINESVILLE, OHIO

## BLINK-BONNIE S. C. WHITE LEGHORNS

Special Sale of Choice Breeding Cockerels—We are offering at special prices 50 selected Blink-Bonnie S. C. W. Leghorn cockerels. They excel in shape, have the best of pure white color and strong heads, legs, etc. They will prove extra value to the buyer at \$5, \$7.50 and \$10 each. If you are looking for quality with the best of breeding, try them. Booklet for the asking. Satisfaction assured. What you buy we stand by.

BLINK-BONNIE POULTRY FARM, BOX A, BATH, PENNA.

## THE ZERO SAFETY LAMP

Is the Wise Man's choice. Are you satisfied with that old and dangerous lamp? You certainly must realize the importance of having a dependable and safe heating plant in your incubator and brooder.



### The Zero Safety Lamp is SAFE, CLEAN and RELIABLE

Safe because our special construction prevents heat of burner from reaching oil tank. Clean because the combustion is even and lamp does not smoke or become sooty. Reliable because the burner is the best of its class and being cooled by the ascending column of air does not cause wick to "draw" and raise the flame. Keeps egg chamber at uniform temperature. From any of our dealers or by mail for \$1.25, postpaid.

The SANITARY CHICK FOUNTAIN is the most sensible made. No chance for the chicks to get wet or drown. Easily cleaned and filled. Holds one quart and goes into any brooder. Price is 25 cents, or by mail for 35 cents, and once you use it you will never get along without it.

The ATSATT'S CHICK FEEDER is the neatest device ever invented for feeding young chicks. They cannot get into it or stand on it. Gives them clean food and insures their health. Top removes for cleaning and filling. Just right for your brooder (10 in. long, 4 in. wide). Price 25c or by mail 35c. Ask your dealer for our goods. If he will not supply you send direct to us and we will see that you get what you order. Our catalogue for the asking.

ATSATT BROS.  
27 PEARL STREET, MATTAPOISETT, MASSACHUSETTS



## BABY CHICKS



All free range stock and all hatched in our new latest Mammoth machines. This will insure nice, big, strong, vigorous chicks that will win for you in the next Fall shows. We make a specialty of White Leghorns and Barred Rocks. Our prices are very low, considering the high quality chicks we put out. This is our ninth season. Our capacity will be 40,000 eggs per hatch this season.

### Order Direct From This Ad

	Per 25	Per 50	Per 100
Single Comb White Leghorns.....	\$2.50	\$5.00	\$10.00
Single Comb Brown Leghorns.....	2.25	4.50	9.00
Barred Plymouth Rocks.....	2.75	5.50	11.00
Rose Comb Rhode Island Reds.....	2.75	5.50	11.00
Broiler Chicks.....	2.00	4.00	8.00

Get your orders booked now and insure prompt delivery when wanted. Catalog free.

20th Century Hatchery - Box 73 - Chatfield, Ohio



CARVER'S RED FARM, SEVILLE, OHIO,

SEE AD ON NEXT  
TO LAST PAGE

## Iowana White Orpingtons

Bred For VITALITY, PRODUCTIVENESS, QUALITY

200 extra fine breeders in our twenty breeding pens.

Eggs ready for shipment at \$12 and \$8 per sitting.

IOWANA FARMS POULTRY DEPT.

DR. BRYANT SMITH, Mgr. -- Box S -- DAVENPORT, IOWA



# The National Club Meet

## THREE HUNDRED STRONG

It's Not Easy Money for Competition Strong  
and the Judge on the Square



The largest class of WHITE WYANDOTTES of the season at the National Club meeting at Albany, N. Y. Did you see what I won? I won 2nd, 3d and 4th cocks. (Framingham Chief came back at three years of age and won 2nd. Tail was in poor condition, as he was very lame for two months this fall from a fight and injured it a bit.) 3rd hen; 1st, 2nd, 5th and 6th ckl.; 2nd and 6th pullets; 2nd pen, old; 2nd pen, young; 1st collection; Sweepstakes in the American class; best shaped young male; best solid colored ckl. in the show; best Wyandotte ckl. in the show. My pen of young laid way over anything in the show, but Judge found a slight defect in male's wings and set it back. But say! You as a future buyer don't really care what I win. I might save every good bird and make a "killing." What does that really amount to if during the meantime I had not taken good care of you? Wouldn't that especially apply had you sent me your good money and then failed to make you win? My trade since early fall has won almost without exception the Blue. You must have been reading my recent ads and these tell in part how I have cared for them and how they had won. (Anyone doubting the truth of a single testimonial published, I'll satisfy through the editor. As to who bought, that's between me and my customer.) On wire I sold from my fitted string for Albany, 1st ckl. and 1st pullet, for one of our largest eastern shows. Hardly a mail comes but some customer on stock

or eggs, writes of wins he has made with my stock. It makes one feel good! Read this telegram from two birds sold:

Ga., Dec. 1912.

"I won first ckl. and first pullet with birds you sent.  
Hottest class ever shown in the south. Ticked to death."

My Dear Mr. Duston:

La., Dec. 1912.

Both Mrs. \_\_\_\_\_ and myself wish to thank you for the fine pullets which you sent and to congratulate you upon their success. We won 1st and 4th Wyandotte pullets; first on Best Wyandotte female, and Best Pullet in the Show. We want a nice ckl. and pullet next fair season, etc.

I also sent at same time on a wire, a ckl. and two pullets to a hot Michigan show and won for my customer, 1st ckl., 1st and 2nd pullet. I cannot afford space to tell you of more. I'll just say I have lots of fine stock yet to sell. Write me, I'll gladly quote you. I'll also mail you my mating list. Speaking of mating lists! I have some wonderfully fine pens mated up. Here's a sample of what my trade does with my eggs. I quoted a regular egg customer in Iowa on a show bird. He did not feel he was warranted in paying so much, for he said, "I have had extremely good luck in buying eggs and getting good ckl. The old bird hatched from the eggs I got from you in 1911 is a wonderfully good bird; shall use him on the same pen of hens he had last year. He produced the goods, etc." I have matings better than any I ever saw, and you'll get the benefit of my years of experience in mating if you buy of me. Eggs \$10.00 a set; two sets \$18.00; three sets \$25.00; \$50.00 in hundred lots. Beautiful illustrated catalogue sent for 15c in stamps.

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S. C. RHODE ISLAND RED  
OWNED  
J. G. BUDDE & CO.  
OAK PARK, ILL.

# S. C. RHODE ISLAND REDS

**GRAND CHAMPION WINNERS**  
NEW YORK, BOSTON, CLEVELAND and CHICAGO

Exhibition and breeding birds from  
our Champion winners at low prices.

**Cocks, Cockerels, Hens and Pullets**  
at prices that will interest you

EGGS from our New York, Boston,  
Cleveland and Chicago winners at  
\$10, \$7.50, \$5 and \$2.50 per setting.

Our book on Reds tells you **How to Mate**  
and Exhibit Reds. Sent on application.

**J. G. Budde & Co., Oak Park, Ill.**

# SMITH'S SINGLE COMB BUFF LEGHORNS

The largest Buff Breeder in the world and the world's best blue ribbon winners and winter egg layers. I have mated this year over 1,500 fine breeders that are the pick of over 47,000 birds raised in the last 4 years and winners from 13 of the big shows.

Stock for sale at all times, 1 bird or 1,000 birds. Eggs, \$2 per 15, \$10 per 100, \$75 per 1,000, and up. I have incubator capacity for over 10,000 eggs every 3 weeks, and expect to hatch over 40,000 day old chicks this year from good, strong, big, vigorous birds that range in age from 1 to 4 years, and the chicks will live and grow fast. Day old chicks, 25 for \$6, 50 for \$11, \$20 per 100, \$180 per 1,000, and up. Get my guarantee on stock, chicks and eggs before you purchase your stock.

Send 10 cents in stamps for catalogue and find out how to raise 150 pullets to the age of six months for 15 1-3 cents each.

**F. S. Smith : Box C and D : Hamilton, Ohio**

\* Life Member A. P. A. and Life Member American Buff Leghorn Club \*



# Buy Your Incubator of Chas. A. Cyphers



The Cyphers who is "The Recognized Authority" on Artificial Hatching.  
 The Cyphers who made Commercial Hatching Possible.  
 The Cyphers who discovered the Cyphers Principle.  
 The Cyphers whose Incubators Circle the World.  
 The Cyphers who will sell you his latest creation, the "Buffalo" at half the Standard Price.

**Let Me Save You 50%** My new incubator, the Buffalo, fulfills the life-long demand of thousands of poultrymen for a **Standard Hatcher** at a reasonable price. It offers all the Quality of the best high-priced incubators, at **half the price** of any other incubator containing the **Cyphers Principle**.

## Sterling Principles Maintained

Every vital principle that made my Original Cyphers a World Success is embodied in the Buffalo. The same three-compartment heater; the diffusive ventilation; and the sensitive and accurate regulator; combined with heavy insulation and durable construction; with refinements not included in the original. Buffalo Incubators insure you big hatches of strong chicks that live and are easily raised to make money for you.

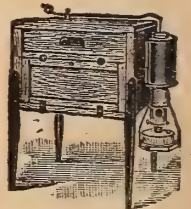
The Buffalo is simply a wonder. I am proud of it. There is nothing cheap about it but the price.

I offer you an incubator that is second to none in **Durability, Reliability, or Quality**. You can't get a better incubator than the Buffalo, no matter how much you pay. You can't get one as good. There are incubators and incubators, and nearly any of them will hatch some chickens. The biggest profits are made by operating the Buffalo, which will hatch a strong and vigorous chicken from every hatchable egg.

### NOTE MY LOW PRICES:

OFFER No.	0—	50 to	60	Egg Size—	Shipping Weight	65 lbs.	\$10.50
"	"	1—110 to	120	"	"	90	14.50
"	"	2—220 to	240	"	"	130	19.00
"	"	3—340 to	360	"	"	160	24.00

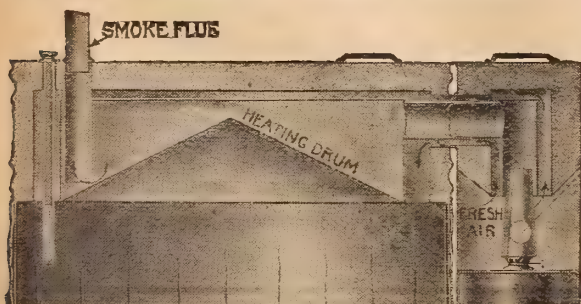
*My Brooder Prices Are Equally Low.*



### Something New In Hovers

**Buffalo Handy Hover \$8<sup>00</sup>**

**Buffalo Home-Brooder Hover \$7<sup>00</sup>**



**Buffalo Handy Hover 100 Chick Capacity**

Hover will heat 10 degrees hotter with same oil consumption, and in a room too cold to use any other hover.

The Buffalo "Handy" is a floor-level hover. You can set it any old place.

**Sanitary**—all galvanized iron.

**Heats Easily**—walls are heavily packed with good insulating material.

**Uses But Little Oil**—flame burns with a white light, which indicates complete combustion.

**Hottest At Outer Circle**—heat is brought lowest at that point.

**Perfectly Ventilated**—heater is double with fresh air flue.

**Handy**—just pick it up and set it aside to clean the floor. Lamp flame can be seen without stooping. Lamp compartment or heater is attached to hover with "rolled-edge slip-joint," and is quickly detached for tending lamp.

Has all the good points of others, with thick walls and complete combustion added. Others are thinly insulated and are hard to heat. Other lamps burn a yellow flame, and waste oil. The Buffalo Handy

*Send postal for fuller description, or better, send along your order before we are over sold*

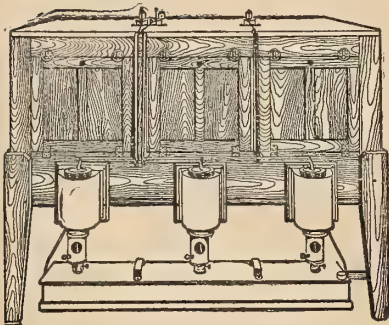
**CHAS. A. CYPHERS.**

**President Buffalo Incubator Company**  
 465 Dewitt Sreet, Buffalo, N. Y.



The Cyphers who is "The Recognized Authority" on Artificial Hatching.  
 The Cyphers who made Commercial Hatching Possible.  
 The Cyphers who discovered the Cyphers Principle.  
 The Cyphers whose Incubators Circle the World.  
 The Cyphers who will sell you his latest creation, the "Buffalo" at  
half the Standard Price.

# The New BIG 4



The New Big 4 Buffalo is an incubator, not a hatcher. You put in 420 eggs every six days, and after the eighteenth day the first lot of eggs is transferred to the regular hatcher for exclusion. The full equipment includes a 360 egg Buffalo, supplied with short legs, to be placed on top of the Big 4. Or you can utilize your present hatcher, whether a 360 egg Buffalo, Cyphers, Model or a Prairie State for the exclusion.

The Big 4 is designed primarily to cut down the required incubator house room, which costs more than the incubators. The usual space allotted to a 360 egg standard incubator is five feet. In this space a Big 4, with a 360 egg Buffalo on top, will care for 1620 eggs.

**Price of Big 4 Buffalo, Capacity 1260 eggs \$70.00**

**Price of No. 3 Buffalo, Capacity 360 eggs 24.00**

**Total Cost, Capacity 1620 94.00**

The Big 4 is substantially made. The neat measurement is 28 in. x 44½ in. x 58 in. The walls are thick and well packed. The doors are double. The amount of oil consumed to heat it is but a trifle more than required for a 360 egg standard incubator.

The lamp needs filling only once each week. By using a low seat instead of stooping, the attendant can quickly trim the wicks without removing the lamp. The chimneys push up into the heaters, and fit on the burner with a guide ring. The three burners can be attended quicker and easier than one regular lamp can be filled and trimmed daily.

Each of the three compartments is heated and regulated entirely independent of the others. Each compartment has two double trays, each holding 210 eggs, which are turned by simply turning over the tray. The space occupied by 420 eggs is 8 in. x 12½ in. x 35 in. In this nest the extreme variation is one degree, against two degrees between the top and bottom of the egg in any standard incubator. While being perfectly ventilated, there is no draught on the eggs, which are pocketed. The trays are turned by chart, and the eggs remain in one position for only twelve hours in four days.

The Big 4 Buffalo is a wonderful machine, and has taken me more than 20 years to perfect. It has the other large hatchers beat in quality, in economy of labor, in space occupied and in price.

Circular now ready. Address,

**CHAS. A. CYPHERS**

*President Buffalo Incubator Company*

465 Dewitt Street

Buffalo, N. Y.



## Orr's Chick Feed

The very best Chick Feed now on the market. Aids in preventing white diarrhoea; clean, sweet and safe; will not get sour or musty. Send for circular and price list.

D. Lincoln Orr : Orr's Mills, N. Y.

## SINGLE COMB WHITE LEGHORNS

The Quality Kind—Fine cockerels for sale. Mating list for the asking.

Robt. T. Brown, R. 4, Springfield, Illinois

## TREHAWAY'S ANTHRACITE STRAIN S. C. Black Minorcas

I have mated 5 grand pens to produce winners for next season shows, as they have for the past 23 years. If you want winners, get a setting of Anthracite eggs. Send for egg circular.

ARTHUR TREHAWAY  
45 Parrish St., Wilkes Barre, Pa.

## Look! Read!!



**DON'T** set a single hen or buy an incubator until you have learned the facts about the **NEW** invention for hatching more

### Chicks That Live

Remember: a dead chick is a dead loss—of money and also of your time.

If you want something better than Nature's own way for the coming hatching season you will use the

### Paradise Hatchery.

Write for free circular telling about the great possibilities it opens up for you in chicken hatching. Send to day. Please mention A. P. J.

Elmer S. West : Box 97 : Ewing, Ky.

**DON'T READ THIS AD.**

### C. L. Cunningham & Son Poultry Farm

Breeders of Single Comb White Orpingtons, have mated up 9 pens of the greatest White Orpingtons for this season, all pens headed by a ribbon winner. The hens and pullets are out of their laying strain, utility first, then quality. We have more show birds this year in our pens than ever before. We have always made satisfied customers; when dealing with you get what you order. Eggs are ready to ship out now; fertility great. We have a few choice cockerels and pullets for sale. They are making special sale price on their eggs. They are booking orders for young baby chicks of quality for Spring delivery. They have never been in such fine shape to handle large orders. Safe arrival of chicks is guaranteed.

CARUTHERSVILLE, MISSOURI



## MADISON SQUARE WINNERS

Over 42 Prizes Won in the Garden—December 1912, winners in Philadelphia.

R. and S. C. Brown Leghorns  
242 and 240 Big Egg Strains

R. and S. C. White Leghorns  
244 and 236 Big Egg Strains  
27 years breeding these large strains. No better strains in the world.

### White Wyandottes

Duston and Regal strains. They are of finest quality. Cup winners.

Barred Rocks (Bradley)  
Many firsts.

S. C. Reds (Tompkins)

White Orpingtons (Kellerstrass)

Be sure and send for catalog. Eggs, \$2, \$3 and \$5.

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## THE RAVENS ROSE COMB REDS

Winners at Cleveland Fanciers' Club Show January 20 to 25, 1913, the most coveted prize of 1st Pen, also 2d Cockerel. At the State Red Meet, Youngstown, O., December, 1912, Cock 1st and 5th, shape special, 2d and 3d Cockerel, 5th Pullet, 2d Pen. Buffalo, N. Y., January, 1912, Pullet 1st and 4th, 5th Pen. Mating list free.

M. C. DeLOOF :- Box 171 :- WILLOUGHBY, OHIO

## Your Opportunity is Here

Having purchased the entire flock of the famous Rocky River Poultry Co.'s ROSE COMB WHITE LEGHORNS, the strain that has won all the prizes at New York, Chicago, Indianapolis, etc., this in addition to our own 15 superb pens, puts us right in the lead. When you are contending with the opinions of half a dozen breeders who think they have found the biggest values for the money, or when you are at home thinking it over—this when you are in doubt—write to us if you want ABSOLUTE LIMIT OF STYLE, fine layers and exhibition birds. Positively there's not a more EXCLUSIVE STRAIN IN AMERICA than ours. Write for our catalog. Do not forget our BABY CHICKS; also our famous Single Comb White Leghorns.

LILY WHITE POULTRY YARDS :- LINCOLN, ILLINOIS

## Canada's White Rock Farms

THE ROYAL STRAIN, GREAT WINNERS—Canada's best show, the Ontario Guelph, 1912, won 1st cock, 3d and 4th hen, 1st and 2d cockerel, 1st and 10th pullets. At Buffalo's 1913 greatest show, after selling a number of my Ontario winners, won 1st cock, 1st and 3d hens, 1st and 4th cockerel, 1st and 5th pullets, 1st pen and all specials. Size and vigor are a feature of this line that have been bred and exhibited by me for many years. My pens are mated this season with the highest quality specimens I ever produced. You would do well to get my list and prices before placing your order. Eggs and stock for sale at all times.

J. L. BROWN :- SEAFORTH, ONT.

## TEST YOUR EGGS



before you set them under hens or put them in the incubator. Whether you buy or sell eggs for hatching discard every one that does not pass the Magic Egg Tester. Don't try to hatch weak eggs—it kills the profits. Regulates moisture in the egg chamber perfectly. Demonstrated at poultry shows everywhere. This is positively the only way to tell which eggs won't hatch before you begin to incubate them at all. Read on:

## NOT IN YOUR LIFE-TIME

Will you, nor anyone else, hatch one egg that the Magic Egg Tester rejects before incubation. We challenge the world to do it!! "Back to the woods" with unhatchable eggs. Don't sell them. Don't buy them, but do buy this Tester and save eggs, time and money. One year's trial, \$2.00 each. Cost refunded if not satisfied. Newest incubation methods with each Tester.

Magic Egg Tester Works Dept. J. Buffalo, N. Y., also Bridgeburg, Can.

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That's what one man made on strawberries on HOME GROUNDS in SPARE TIME. Strawberry growing is a pleasant and profitable occupation—EVERY home should have a strawberry bed.

Allen's 50 Page Illustrated Strawberry Book will tell YOU how to make money with strawberries and small fruits. Full information on varieties and how to grow them. Every farmer, gardener and home owner should have a copy. FREE on request. Write TODAY.

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W. F. ALLEN, 106 Market St., Salisbury, Md.





## Single Comb White Leghorns That Lay, Weigh and Win

Your success, whether it be for the introduction of new blood or laying a foundation for your stock, depends upon the reputation of the man behind the firm from whom you secure your stock or eggs. Believing as I do, that the majority of the people are honest, I stand ready at all times to make good, stock or eggs secured from me, any claims that my customers might present. My business at present has reached such proportions, that it is almost impossible for me to meet the demands with the seven thousand head of stock that I have on hand. It is impossible for me to describe our methods of rearing poultry in so small a space, but if you will send for my illustrated mating list, which is sent free on request, you will receive in a concise form our ideas of a down-to-date poultry plant. Or if you will send fifty cents in stamps or coin, I will send you postpaid my 64-page catalogue which explains in detail every phase of the poultry industry. This book, as is everything else bought of the E. W. Grove, Jr. Poultry Farm, guaranteed satisfactory or your money back.

Now is the time to book your orders for eggs and join the list of satisfied raisers of Grove strain of S. C. White Leghorns. All orders delivered in the order in which they are received.

Yours for better poultry,

*E. W. Grove, Jr.*

**Route 1, Clayton, Missouri**

It's not the brand on a horse that makes him travel, nor is it fine feathers on a hen that makes her win or lay, but their breeding.





# Ferris Improved Trapnested Layers

Twelve years ago we became dissatisfied with the best White Leghorns we could find anywhere in the country at that time. They lacked stamina, strength, vigor. No successful effort had ever been made to breed them to quality.

Our first thought after securing the best stock we could buy was to increase the size and vigor of the birds to give a foundation that would permit greatly increased egg production. Our aim from the beginning has been to build a strain that would lay more eggs than the very best of any other breed or strain and yet win anywhere in strongest competition.

It has taken us years of patient effort to get these good qualities as well developed as we have them today. During that time not a poor layer has been allowed in our breeding pens and every year as our experience increased we were able to select our best layers with more certainty and mate them with greater skill. Every year has seen an increase in our average egg yield, until now it is easy to get an average yield of more than 175 eggs a year from a flock of Ferris Leghorns.

## Ferris Selling Plan

We go farther than it has ever been considered possible to go in satisfying customers, not only in quality of stock we furnish in the first place, but in the responsibility we assume of seeing that the birds you buy remain in good condition until they become accustomed to change of climate and to different methods of feeding and caring for them. You can't buy birds elsewhere and exchange them any time within 30 days if they become sick or don't breed properly, or are unsatisfactory for any reason whatever. No one else will replace without question every bird that dies within thirty days.

## Winners For Any Show

We have been winning for years at the largest shows—Louisville, St. Louis, Toledo, Detroit, Pittsburgh, Grand Rapids, and the Michigan, Indiana, Iowa and Tennessee State Fairs—and can furnish winners for any show no matter how strong the competition.

We take great pains to fill every order with exactly as great care as if our customer was right here to pick out the birds himself. If you explain the good points you are most particular about and the bad points you wish to avoid, it makes no difference how many hundred miles are between us, we can select stock that will exactly suit your requirements, provided you do not expect a better bird than it is possible to furnish for the price you pay. The quality of every grade of stock described in the catalog is the best that can possibly be furnished for the price named. We endeavor to give every customer an absolutely square deal, and if you have had experience with White Leghorns so that you know the value of a bird, you will appreciate the fact that the birds we send are from 50 to 100 per cent better than most other breeders send for the same prices.

## Eggs and Day-Old Chicks

We are now booking orders for eggs and day-old chicks for spring delivery. We have never been in better shape to fill orders of any size. Thousands of fine hens in our utility matings and our 25 exhibition matings of remarkable quality will make it possible for us to ship promptly and quote prices that are very reasonable. All infertile eggs replaced free; safe arrival of chicks guaranteed.

## Our Guarantee on Eggs

Our guarantee on eggs is as fair as our guarantee on stock. We endeavor to protect our customers and want you to be perfectly satisfied. When you do not get satisfactory results tell us and we will do everything possible to make it right.

*We Replace all Infertile Eggs Free of Charge.* It is well to be careful that you do not get eggs from late hatched stock that is not mature, for eggs from immature Leghorns are as worthless as eggs from any other breed. If you want eggs from yearling hens we can furnish them, for over half the birds in our breeding pens are yearling hens.

## Can Ship Anywhere

We can ship eggs safely anywhere in the United States, Canada or Mexico, and will guarantee fertility. We ship no eggs more than three or four days old, and nearly all eggs are shipped the next day after they are laid, for during the regular hatching season we usually have orders booked a week or more ahead and we make shipments every day.

## Eggs for Hatching

There is a great difference in eggs for hatching and if you want good results you must be particular to get eggs from stock that has been handled properly. It is very easy for a careless breeder to so handle his stock that the eggs will not hatch well nor even produce strong chicks when they do hatch. Lack of exercise, improper feed, overcrowding and neglect of any of several other important details will decidedly affect the results that can be secured from the eggs.

## Large Even Shaped Eggs

Eggs from all our pens, utility and exhibition, are carefully selected. They are large, smooth, even shaped—the kind that are nearly always fertile and sure to hatch strong chicks. Small eggs—those weighing less than 25 ounces to the dozen—are never sold or used for hatching, and the average will be from 26 to 28 ounces. Eggs with rough or uneven shells do not look well and seldom hatch well, so we discard them. We do not sell eggs that are poor in color. A Leghorn egg should have a white shell, and we do not breed from hens that lay any other kind.

## Day Old Chicks

It is usually better and cheaper to start with chicks than with eggs, because chicks cost only twice as much as eggs and the average hatch from eggs is only about 60%, except in the hands of poultrymen who have had considerable experience and know just how to get the best results. The saving in express charges is also worth considering, as the charges on 100 chicks will be only one-third as much as on the number of eggs required to hatch that many chicks. We can generally ship chicks as promptly as eggs, so there is a difference of three weeks in favor of the chicks—three weeks difference in the time the pullets will begin to lay.

## Distance We Can Ship

Chicks can be shipped 1000 miles with safety, and in some instances where there is fast train service, as high as 1,500 miles. We guarantee safe arrival at any express office within 1,000 miles from Grand Rapids—a radius that includes two-thirds of the United States and Canada.

Our loss in shipping has averaged less than 2% during the past four years, and our customers have had good success raising the chicks, which proves that the stock is hardy and vigorous and that the chicks have not been injured in the least by shipping. In fact, it is much safer to order chicks than eggs because chicks are nearly always handled more carefully than eggs.

**GEORGE B. FERRIS** *The Ferris Leghorn Farm* **905 Union Av., Grand Rapids, Mich.**





# White Leghorns

## That Win Everywhere

There is only one sure way to tell which hens are the best layers, and that is by the use of the trap nests. All other so-called systems of telling good layers from poor layers are failures. Shape of body or distance between the pelvic bones—the basis of all advertised “systems”—are not reliable guides.

Ferris Leghorns have been bred to lay by the use of trap nests. We trap nest both our exhibition matings and our special bred-to-lay matings. We have spent a great many years investigating the laying qualities of our hens and breeding them up to their present high average records, and the minimum egg yield permitted in our bred to lay matings is 185 eggs per year. We have quite a number of hens with records of 225 to 249 eggs during their first year of laying, but we do not attach so much importance to these exceptionally high records as do some breeders.

High record hens are of value only so far as they can transmit their laying qualities and enable a breeder to obtain a whole flock of good layers, and hens with records of much more than 200 eggs a year do not make as good breeders as hens with slightly lower records. It is our experience that hens with records of 185 to 200 make the best breeders of laying stock and are more likely to produce hens that themselves lay over 200. The catalog explains why.

### Bred-to-lay Utility Matings

All our twelve years' efforts to increase egg production are in the breeding of these birds, and although they do not score high enough to make breeders of exhibition stock, they will give you stock that can not be surpassed for laying purposes by any other that can be bought *excepting our bred-to-lay exhibition matings and our trapnested laying pens.*

The difference in egg production between these utility matings and the other matings is very slight; the only difference is that although these birds are bred from the trapnested pens, they are not themselves trapnested.

However, we allow no birds in these pens that are not good breeders. The eggs are big, selected for even shape and color and will produce strong hardy chicks.

We can furnish eggs and chicks in any quantity and the price of eggs will be \$14.00 per 100 during February, \$12.00 during March and \$10 during April. Settings of 15 eggs, February \$2.55, March \$2.25 and April \$1.95.

Day old chicks, March \$28.00 per 100, April \$25.00, May \$20.00. In lots of 25, March \$8.00, April \$7.00, May \$6.00.

For other prices and complete description of these matings

### Trapnested Laying Pens

All of these birds score 92½ or more, for this is the minimum score that we permit in these pens, and most of them score more. The average score is around 93½ and scores of 94 to 95 are not at all uncommon. They are mated to males from the best pens, none scoring less than 93 and they will produce a uniformly good looking flock of heavy layers.

Every bird in these pens is a good winter layer for we discard all that do not reach an average of 14 eggs per month during the winter months when eggs are scarce and high. Ferris Leghorns have a reputation of being the best winter layers of any fowl and we are bound to maintain that record.

If you want trapnested bred-to-lay stock that also is bred reasonably close to standard, you will make no mistake to take this grade.

For the average county fair and small winter shows, these birds will be pretty sure to be among the winners and they are the best layers that have ever been produced.

The prices of eggs and chicks from these pens are just double the price of the utility matings—\$25.00 per 100 for eggs in March and \$56.00 for chicks. For complete information regarding these pens

### Exhibition Matings.

These exhibition matings are *in advance of the standard* so far as some points of shape are concerned; and they are *the only exhibition strain in the U. S. that have been bred to lay with the same care that they have been bred to win.*

What it means to set a high standard of laying below which no hen may go, and at the same time build up a strain that is capable of winning in any competition, only they who have tried to breed winners without regard to laying qualities will understand.

To build up exhibition qualities to a point where it is possible to furnish winners for hundreds of shows every year, and some of these shows the largest and most important in the country, requires the most careful selection of the breeding stock for a long period of years. Not only this, but every point which may affect the perfect development of the stock from the time the eggs are placed in the incubators until the mature fowls are placed in the breeding pens, must be looked after.

You can hatch winners for any show in the world from these matings. The birds shown at the top of this ad will give you a good idea of the quality. For description of each pen in detail and prices of eggs and chicks

**Get your Copy of this new 132-page Catalog—Absolutely FREE**



**GEO. B. FERRIS, 905 Union Ave.,  
GRAND RAPIDS, MICH.**

*Dear Sir:—Send me, absolutely free, your new 132-page catalog describing Ferris Leghorns and telling how to feed, house and breed White Leghorns for exhibition and heavy egg production.*

Name \_\_\_\_\_

**MAIL THIS COUPON TODAY**



# TO THE BREEDERS

that believe in line-breeding, in blood, in the science of breeding, that really great birds are not produced by throwing together a bird from here and a bird from there; to these breeders we wish to say that the **Original Sussex Strain S. C. White Orpingtons** are no conglomeration of purchased birds from the four corners of the earth. Money can make a mushroom reputation for any man that happens to possess the wherewithal, but it will never make him a breeder. Then by what method of reasoning can you convince yourself to purchase from the man that cannot breed his own birds, that has never bred even a good bird himself, that depends each year on purchasing birds with which to win, and from anyone, no matter whom he happens to be or what strain he has, and then puffs out with conceit and the noise of a lion's roar that HE has won so and so. Our word for it, beware of the promoter with the fancy string of winners with a fancy man attached with fancy methods of his own to produce the birds that he has never even seen until he bought them up.

We believe that our rankst enemy would never attempt to put us in this class either by insinuation or otherwise. The **Sussex Strain** had been line-bred for many years before they were even brought before the attention of the public by ourselves, the foundation of the Strain is as strong as the Rock of Gibraltar and any and all traits or claims that we make for any individual birds are embodied in the Strain as a whole and are characteristic of the Strain.

Then how can you convince yourself to buy from the man with the big noise, with a flock of birds that are a conglomeration of Heaven alone knows what, a huckster, who, similar to a gipsy is always ready to swap anything that he happens to possess. A man that knows nothing about breeding and cares less, a jockey.

But to the genuine breeders we desire to ask, do you know what the **Sussex Strain** is? Can you afford not to know? Do you know the value of breeding it in its purity? Do you know the value of the top-cross no matter what strain you are now breeding and the results that it is capable of producing? In the strain that you are now breeding, do you lack stamina, vigor, vitality, size, color, detail, strong blood, massiveness, free and abundant feathering, fertility, type of the true Orpington, egg production? Are your birds weak in the breast, saddle, back and hackle? Are they inclined to be leggy, narrow and with a cut-a-way breast? Are you looking for the wide, low, cobby, massive Orpington with weight and type to burn? Then why don't you try the top-cross with your strain and the **Sussex Strain**, or do you intend worrying along for another year, hoping against hope to produce that which you have never been able to produce? Do you know how the so-called English typed Orpington was produced with its size and abundant feathering?

To the fancier that depends on raising his birds and winning with them and selling stock and eggs, do you realize the value we are giving for little money, the wonderful birds that this strain has produced, do you realize



ize your chances of raising birds from even one setting of our eggs, worth hundreds of dollars and possibly THE great bird of the coming year? We do not publish the names of our customers, neither do we usurp their winnings.

**To the beginner.** Do you realize the value of breeding the purest blooded strain in the world, one with the greatest record of producing the best and greatest birds in the world, the value of breeding a strain that every Tom, Dick and Harry has not got, the tremendous demand there is for the **Sussex Strain** right now? Do you realize that you can start with this Strain and that it will not cost you any more than the cost of starting with birds of but fair quality and no blood? That it is possible for you to jump at one bound with our strain to the highest rung of the fancier's goal? A card for our catalog, a letter for any of our mating lists, an order—our personal attention.

## OUR EGG OFFERING FOR THIS SEASON

will consist of the following matings. The prices depend not only on the demand, but on the rarity of the birds comprising the mating. We cannot recommend anyone of them too highly no matter what the price.

Our **Special Matings** are all made with a strict regard to their lines of blood, with the greatest stress on the real merits of the birds themselves to produce the greatest birds in the world for the coming year.

**REGAL LAD**—The personification of all that is desired as the fancier's ideal cockerel, the culmination of our years of breeding of the **Sussex Strain**. We consider him the most superb living White Orpington male in the world. Eggs, \$30 a setting of 12 eggs.

**LADDIE KID**—Of monstrous growth and size, but with perfect type and detail. Eggs, \$30 a setting of 15 eggs.

**LADDIE MY LAD—LADDIE BEAU**—Low to the ground, short shank and heavy bone, massive and full breasted, broad back and low tails, with the true and ideal Orpington type, the results of this mating will be more than gratifying to all. Eggs, \$20 a setting of 12 eggs.

**LADDIE MAN'S HAREM**—Which we believe to be the loosest feathered and most profuse feathered, both individually and the mating as a whole, in the world. Eggs, \$25 a setting of 12 eggs.

**PRINCE LADDIE—LADDIE BOY—LADDIE KING—LADDIE TRAMP**—Absolutely white and stay white under any and all conditions, with the greatest stamina and vigor, these matings defy competition, with Prince Laddie, our \$2,000 male at the head, weighing 14 lbs. and proven breeder of staying-whites. Eggs, \$15 a setting of 15 eggs, two settings at \$25.

## RUN OF SPECIAL MATING, \$10 SET OF 12 -- EGGS FROM OUR EXHIBITION MATINGS

\$6 a setting of 15 eggs, two for \$9. Every bird in these matings, both male and female, have records of the best, and will compare more than favorably with the matings of any breeder in the world. These matings are not made of a winning male, three or four winning females and the rest unshown females and probably not fit to show and comprising three-fourths of the pen and unrelated and untested breeders at that. No. The birds that we have placed in these pens have not only a record, but they are line-bred birds of the true **Sussex Strain**, owned, raised and bred by ourselves. The prices we ask for eggs from these pens are extremely small compared to what other breeders ask for eggs from inferior matings. Eggs from run of all matings, \$8 a setting, four for \$25.

**Archwood Yards Original Sussex Strain S. C. White Orpingtons—Lay Like a Gatling Gun—Grow Like a Weed** May we have your order, we assure you that you will be more enthusiastic after you have raised your birds and beheld the True **Sussex Strain S. C. White Orpington** than at the time of ordering your eggs.

Pens, Trios, Individual Birds of any Description, \$50 to \$100

**Archwood Yards, J. A. Parker, Cleveland, Ohio**

Breeders with the greatest stud of Orpingtons in the World





# \$4,223

## IN ONE YEAR ON A TOWN LOT

is the title of a new book that we have just completed, and is the amount of money actually made in one year by H. Cecil Sheppard of Berea, Ohio, with his chickens, and he tells in a very comprehensive way just how he did it. Anyone can do the same thing if they persue the same method as Mr. Sheppard did.

This book is printed on high-class enamel paper, is profusely illustrated, contains nearly 100 pages of reading matter; bound in cloth, and divided into nine chapters, as follows:

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The price of this book is \$1.00, but in order to give our subscribers an opportunity to secure a copy, we make the following offer:

\$4,223.00 In One Year On a Town Lot and one year's subscription to American Poultry Journal for only **\$1.50**

(Canadian subscribers add 25 cents per year and foreign 50 cents per year for postage)

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Farm grown, free range. Blue ribbon winners at all the shows. APA Silver Medal. At Madison Square 11 of our birds were placed in the awards, at Philadelphia 10 in open classes; 1st; 2d; and 3d pen; at Baltimore, 1st; and 2d cock; 1st cockerel, 12 birds placed. Camden, N. J., 1st and 2d cockerel, in class of 11 cockerels. Eggs from this stock at half the price others ask. When writing mention A. P. J.

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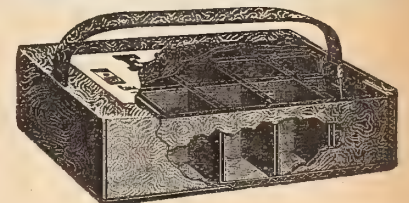
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Order your egg boxes NOW.

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Barred Plymouth Rocks

**SENSATION—2d COCKEREL**  
**MADISON SQUARE GARDEN 1910**  
Birds and eggs, I have sold, have won and produced winners in nearly every state in the Union and Canada, during past 30 years. I offer eggs from best matings I ever had; 3 for cockerels and 4 for pullets. Some fine breeders for sale in cockerel and pullet line. No circulars; write wants.

E. L. MILES, - SAG-HABOR, N. Y.





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Adjustable. The band that stays on.  
Price postpaid 12, 15c; 25, 20c; 50, 35c;  
100, 60. Send stamp for sample.  
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Winnings in the three shows I attended this season—Hagerstown all five firsts and all specials. Charlottesville, Va., all firsts and specials. Baltimore, 1st cock; 1st, 3d, 5th pullet; 3d cockerel; 5th hen; 2nd pen. Special for best female. "Actions speak louder than words." Write for mating list.

A. R. EARLY -- ROSLYN, MD.

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have that brilliant, rich, even surface color, with strong, deep red undercolor, with fine head-gear, long bodies and black markings that appeals to the most careful breeder. Have won at Cleveland and many of our largest shows. 1000 head choice breeders and exhibition birds to sell. Eggs selected matings, \$5. per 15 or 3 sittings \$10. Fair hatch guar. Send for mating list, Write wants,

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Won in 4 of America's Best Shows

Great Chicago Show, 1912—9 firsts, 7 seconds, 7 thirds, 4 fourths, 1 fifth and 8 specials.

Louisville, Ky., 1912—17 firsts, 12 seconds, 1 third and silver cup for best display.

Indianapolis, 1913—National Fanciers' Show, January: 15 firsts, 13 seconds, 1 third, 1 fourth and fifth. Fanciers' Club Show, February: In a class of nearly 300 Bantams they won half again as many firsts as their nearest competitor and winning more points than their largest competitor in each variety combined. Also 3 Specials.

For this season's egg trade we have mated 25 of the best pens ever put together. Write for free Mating List.

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My strain won every prize and special offered at the world's greatest show, Madison Square Garden, New York, January, 1913. My individual winnings were:



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Cocks, 1-3-4-5-6.

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Special for best cock.

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Diploma presented by A. P. A. for best cockerel.

In fact, for the past ten years, my strain has won in every show of any note in the United States and Canada. They are the standard for all the Leghorns of America, and the greatest layers of all varieties of domestic fowl. I have hundreds of cockerels for sale that can win anywhere, and after winning will improve your stock for eggs and exhibition points. (Remember you cannot win without my strain.) Mating list free. Address

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Orpingtons; Single, and Rose Comb, White, Buff, Black and Single Comb White Leghorns. Orpington eggs, \$3, per 15; \$12, per 100. Chicks \$25, per 100.

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eggs from especially fine producers will satisfy your desires for fine, healthy chicks and subsequent breeders.

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ALL my breeding stock are high class, bred to lay stock, reared on free range in open front houses.

Every variety is carefully mated and true to name. I sell

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Acme strain Eggs from choice matings \$3.00 per setting, Express prepaid. Stock for sale, mating list on request.  
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A perfect hot water system that circulates a warm flannel to lay on the chicks' backs. A hover that can be applied to any colony coop or box in ten minutes; they can't crowd or pile up under this hover. Made of galvanized iron No. 26 gauge, and will last for years. Get our Incubator Book before you buy.

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Good ones for sale.

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### Greatest Prize-Winning Campine Stud in America

Madison Square Garden, 1913, Show—8 firsts, 5 seconds, 2 thirds, 6 fourths, 3 fifths, 9 American Campine Club Specials, also Challenge Cup in the largest class of Campines ever shown in the world.

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Some high-class Golden and Silver Cockerels, also a few Pullets for sale

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My twenty-page, handsome mating list, with colored cut, pricing eggs for hatching from twenty pens, will surprise you in elegance and prices of stock and eggs. It is mailed free to those who are seeking the best breed of the times, the best treatment, and reliable stock and eggs. My customers report winners, from my last season's eggs, all over the country. If you want to get in this class buy eggs or stock from Perkins.

My handsome thirty-six-page catalog and text book containing useful information, a colored cut of a pair of Perkins' Partridge Plymouth Rocks, mailed on receipt of twenty-five cents. It is worth the money.

You are losing time if you do not take up the Partridge Rocks. Will be glad to serve you.

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For the past ten years they have won more valuable prizes, specials and trophies than any other mid-west strain. This year, at Iowa's two great shows, in fast company, the best that could be bought or bred, they won: **Des Moines**—1, 3 cock; 2, 3, 4 hen; 1, 3, 4 cockerel; 2, 4 pullet; 1 pen fowls; 3 pen chicks; Silver Cup. **Cedar Rapids**—1, 4 cock; 1, 4 hen; 1 pullet; 1 young pen.

#### EGGS THAT WILL HATCH

**18** of America's best breeding yards of ROSE COMB REDS for the EGG trade this year; pens that I know are correctly bred to produce the very highest quality **18**

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We furnish the best high class chicks you ever bought. Our new 1913 MATING LIST and large illustrated catalogue free to A. P. J. readers—send for your copy today—just drop me a postal card and say you are interested in Rose Comb Reds and I will send it to you by return mail. When you want good Reds, EGGS or BABY CHICKS, write me. Give me a chance to help you. A part of my experience goes with every sale.

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CHAMPION S. C. WHITE  
LEGHORNS

are always among the winners. At Pittsburgh Exposition Show, Jan. 13-18, I had 3d cock; 6-7 hen; in a class of 252. Write for stock or eggs, prices reasonable.

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MINORCAS

From Chicago, Buffalo, Memphis and Indianapolis winners, correct size, shape and color. Eggs that will hatch. Four best pens \$3 per 13, \$6 per 30, \$9 per 50, \$17 per 100. Free farm range matings \$7.50 per 100. Mem. Am. Black Minorca Club. Mating list. John L. Brown, 2337 Brown St., Anderson, Ind.



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5c a 100 lbs. Our 5-lb. package of No. 4 contains more real shell material (available time) than a ton of oyster shell. 5 lbs. \$1. Sample 5 cents. Mention this journal.

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Winings at Cincinnati January 23 to 29

Single Comb—Cocks, 2, 3; hens, 2, 3; cockerel, 6; pullet, 5; pens, 1, 3. Rose Comb—Cocks, 1, 2, 3; hen, 2; cockerels, 2, 4, 5; pullets, 1, 3; no pen entered. Club Silver Cup best Display Single Comb. Shape and Color Special Rose Comb male. Shape and Color Special Rose Comb female. \$5.00 gold champion female. We have some birds for sale that will improve any strain. Give us a trial and be convinced. Mating list now ready.

F. L. OBER

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VERONA, PA.

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The World's Champion Strain Continues to Win Wherever Shown

"FLUFFY RUFFLES"—The \$1,000 hen, and her kin have won for me and my customers more prizes at Madison Square Garden in five years than any other strain.

This record does not include Specials or winnings of my customers. No other pullet line has ever equalled this continuous win.

"Fluffy Ruffles" Strain is Winning Now for My Customers, for Me, and Will Win for You

I am in a position to furnish from this World's Champion Female Line choice selections of Stock or Eggs to all those wishing the best. My line of males for this season is headed by the 1st Cock at Madison Square Garden, 1911. This winning stamps him as the finest specimen of this variety in the world. For prices of the above phenomenal strains write, mentioning American Poultry Journal.

WELLESLEA FARM POULTRY YARDS

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STRATFORD, CONN.

## Again Win at Chicago

Rose Comb Rhode Island Reds

Our Recent Winning Great Chicago Show—1st hen; 2d young pen; 4th pullet; 5th old pen; 5th cock; shape and color special on female and Champion Female in the strongest competition ever seen at Chicago.

At the Chicago Show, 1911

We won 1 cock; 1 cockerel; 1-3 pullets; 1 young pen. In the past two years we have won more than twice as many firsts as any other exhibitor at this great show.

At Louisville, Ky., Dec., 1912

Where the north, south and west met, we won, 1-2-3 cocks; 1 hen; 2-3-4-5 cockerels; 1-2-3 pullets; 1 old pen; 1 young pen and Silver Cup for best display. If you wish birds of quality or eggs that will hatch them, write us. Mating list now ready. Stock on approval always.

Longfield Poultry Farm, Box 321, Bluffton, Indiana

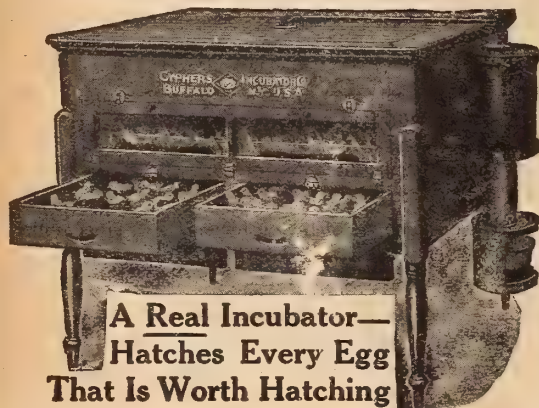


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Makers of the "World's Standard"  
Incubators and Brooders

EVERY year Cyphers Company numbers among its new customers a *great many* who have tried other makes *unsuccessfully*—who have finally *realized* that poultry-raising is too serious a *business* to attempt to get along without standard tools and right methods.

This message is intended especially for dissatisfied incubator and brooder owners who are *not* getting the results their invested time and money *deserve*.



## 1293 Fertile Eggs—1266 Chicks

Battle Creek, Mich., March 11, 1912

Cyphers Incubator Co., Buffalo, N. Y.

The two Cyphers Incubators I purchased of you have given excellent satisfaction. Here are the results:—

First hatch, 236 chicks from 244 fertile eggs; second hatch, 204 chicks from 204 fertile eggs; third hatch, 199 chicks from 205 fertile eggs; fourth hatch, 232 chicks from 242 fertile eggs; fifth hatch, 178 chicks from 178 fertile eggs; sixth hatch, 217 chicks from 220 fertile eggs.

Naturally I am pleased with the work these machines have done, and will recommend the Standard Cyphers to any one wanting THE BEST MACHINE FOR HATCHING STRONG, HEALTHY CHICKS—AND LOTS OF THEM.

ALBERT G. KOVEN.

## 2059 Fertile Eggs—1985 Chicks

Fowler, Vt., August 19, 1912

Cyphers Incubator Co., Buffalo, N. Y.—

I am sending you herewith a record of this season's hatches in my No. 3 size Cyphers Incubator:—

April 6, 287 fertile eggs, hatched 273 chicks; May 1, 319 fertile eggs, hatched 302 chicks; May 24, 370 fertile eggs, hatched 354 chicks; June 17, 368 fertile eggs, hatched 361 chicks; July 10, 350 fertile eggs, hatched 342 chicks; August 2, 865 fertile eggs, 353 chicks.

I have also been using your Cyphers Brooders and lost very few chicks. IN THE SPRING I AM GOING TO ORDER SIX MORE OF YOUR BROODERS.

WM. MILLS



## Cyphers Style B Outdoor Brooder

"After Trying Six, Purchased Seven More"

Franklin, Mass., August 25, 1912.

Cyphers Incubator Co., Buffalo, N. Y.

After thoroughly trying out six of your Style B Outdoor Brooders, we purchased seven more, and they have done satisfactory work. Your Brooders are certainly the best. Your self-regulating and self-ventilating system produces just the right conditions for the chicks at all times, and as a result the chicks are strong and vigorous, ready to mature into profit-making fowls, whether for market purposes or for the laying and breeding pens. Have operated Standard Cyphers Incubators for TWELVE YEARS WITH THE BEST OF SUCCESS.

OAK KNOLL FARM, Ora R. Lincoln, Manager.

And it's intended for the discouraged and disheartened ones on the brink of giving up, who have been *defeated* thus far by cheap equipment.

*Start right!* That *sums up* the biggest, most vital truth in poultry-raising. It is simply *time and opportunity suicide* to attempt to get along with makeshift and make-believe appliances.

## Remember Always that Real Quality is Worth Its Price

And the moderate investment required to be properly equipped with Cyphers—not only insures best results—intelligent methods—shuts off losses, but it represents also a *real* economy that stretches over the years to come.

Reader, the question is *not* can you afford to own Cyphers equipment. The question is can you afford for a single hatch in a single season to be *without* Cyphers equipment? Thousands of successful Cyphers owners—large scale and small—answer this question *for you*.

### "First-Class In Every Respect"

Glassboro, N. J., June 14, 1912.  
Cyphers Incubator Co., Buffalo, N. Y.—

Some time ago I purchased three of your Self-regulating and Self-ventilating All-metal Adaptable Hovers. They certainly have proved themselves to be first-class "foster mothers" in every respect, and are not to be compared with another make of hover which I have been using. With the other I would find some dead chicks almost every morning, and must say that for "death traps" they certainly took the prize. Have lost practically none of my chicks with your Adaptable Hover.

GEO. W. MURPHY.



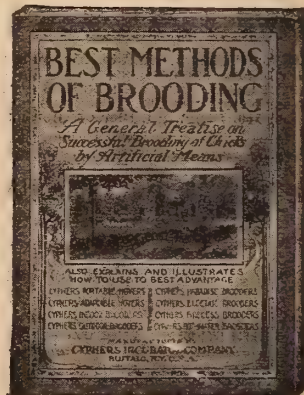
## Cyphers Adaptable Hover

"Did Poultry Industry a Big Favor"

Versailles, Mo., August 2, 1912.

Cyphers Incubator Co., Buffalo, N. Y.—  
In my opinion, you did the poultry industry a big favor when you invented the fire-proof style of brooders. My personal experience has been that your BROODERS CAN NOT BE EXCELLED. The Adaptable Hovers purchased of your Company are the BEST BROODING DEVICES I HAVE USED. I do not see how any up-to-date poultry raiser can get along without them. Have used several different makes of brooders, but have practically discarded everything but those of your manufacture. Would not again be without your Self-regulating Adaptable Hovers. No more cheap, "hand-me-down" brooders for me.

L. W. KIRSCHSTEIN.



New FREE Book Just Out.  
52 Pages, 7x10 inches. • Best and Most Helpful on Subject Ever Printed. Get YOUR FREE COPY and Judge for Yourself.



# Poultry Equipment

*In Every Case "The Best Article For the Purpose"*

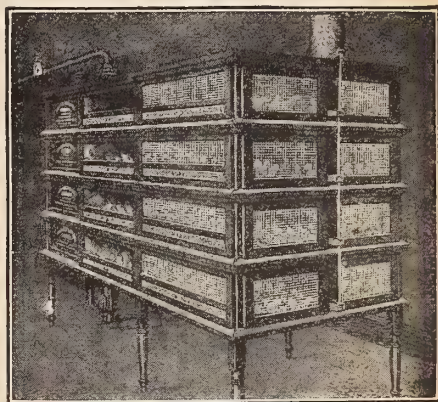
**W**E HAVE never compromised with results! We have never hit a half-way stopping point. From the first, we have realized that our big and lasting success would be exactly in proportion to the big and lasting success of our customers. We could not afford to place in their hands an article that was not absolutely the best—the right thing—without hazard or question.

We have realized our ambitions for ourselves—simply and solely because we have enabled Cyphers users to realize their ambitions.

Today we stand on that same platform—*"The Best and Most Practical Article for the Exact Purpose—the Right Tools with Which to Work—These Spell Success."*

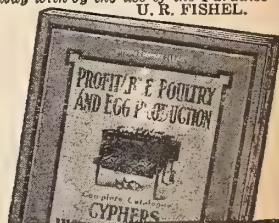
There is more money in right-method Poultry raising today than there ever was before. There is no need of failure on any one's part. There are no steps in the dark that have to be taken before you see the light. Our equipment, our continual counsel and advice, founded on bed-rock experience, will help you in a hundred ways.

*Begin right—and we will keep you right. Is not the offer fair?* The first step toward better poultry success is to



**Indoor Sectional Brooders**

"I have been wanting to write you of the splendid success I had with one of your four-section Paradise Brooders. We have always heretofore had quite a loss among our little chicks for the first ten days of their lives, and it seemed to me that your Paradise Brooder would stop this loss, which I am pleased to say it did. We carried something like three thousand chicks through the Paradise Brooder and our loss was not over twenty chicks out of the three thousand. The first four hundred and fifty chicks run through this brooder resulted in a loss of but four chicks. I think the death rate in baby chicks can be almost entirely done away with by the use of the Paradise Brooder."  
U. R. FISHEL.



## Send Today For Our Big Free 1913 Poultry Guide

It strikes straight at the heart of "Profitable Poultry and Egg Production"—gives you in plain words and pictures the right methods, the newest development, the actual results verified on the Cyphers \$75,000 Poultry and Demonstration Farm. Here are the titles of Eight Invaluable Chapters:

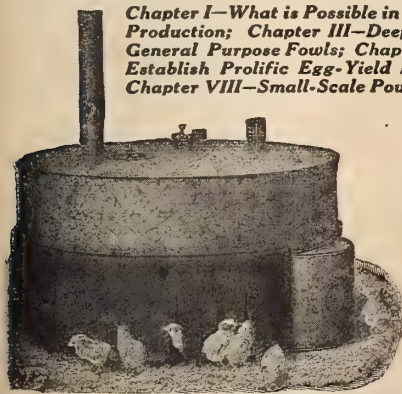
**Chapter I—What is Possible in Poultry Meat Production; Chapter II—What Can Be Done in Way of Egg Production; Chapter III—Deep-Litter Feeding Experiments of 1912; Chapter IV—Quick Maturity in General Purpose Fowls; Chapter V—Ages and Weights of Chickens for Table Use; Chapter VI—How to Establish Prolific Egg-Yield Flocks; Chapter VII—Today's Best Chance in the Poultry Business; Chapter VIII—Small-Scale Poultry Keeping on a Practical Basis.**

Send now for this greatest Free Poultry Book ever published, and all the facts about Cyphers Co.'s Free Bulletin and Personal-Letter Service that makes doubly sure the success of Cyphers owners.

BIG 1913 BOOK contains 244 large pages and over 500 illustrations. Address our place of business nearest you, or use coupon herewith.

### FIRE INSURANCE LABEL!

Remember that every Cyphers Incubator has been passed on by expert engineers, representing the National Board of Fire Underwriters and that each and every machine bears the brass "Inspected Incubator" label. The label talks! Other manufacturers can claim that their incubators are fire-proof, and have been approved, but the Official Label is what counts. Without it their claims are simply "hot-air".



**Cyphers Portable Hover**

New and Handy Device for Brooding Chicks on Floor Level of Poultry Houses, Colony Coops, etc. ONLY SELF-REGULATING AND SELF-VENTILATING PORTABLE HOVER ON THE MARKET. Write for Special Circular and Prices.

### FREE "Poultry Guide" Coupon

Cyphers Incubator Company,  
Dept. 30, Buffalo, N. Y.

Gentlemen:—Kindly send me, postpaid, your 1913 Profitable Poultry and Egg Production Book, also facts how I can secure without charge the full benefits of Cyphers Company's Free Bulletin and Personal Letter Service.

My Name.....

My Address.....

# CYPHERS INCUBATOR COMPANY

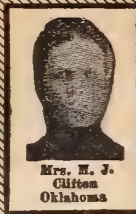
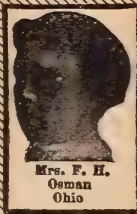
FACTORY AND HOME OFFICES, Department 30, BUFFALO, NEW YORK

BRANCH STORES: New York City, 23 Barclay St.; Boston, Mass., 12-14 Canal St.; Chicago, Ill., 329-331 Plymouth Ct. Kansas City, Mo., 317-319 Southwest Blvd.; Oakland, Cal., 2127 Broadway; London, Eng., 121 Finsbury Pavement.





Jim Rohan

Mrs. Laura J.  
Clark  
IllinoisMr. F. E.  
Bennett  
OhioMrs. M. J.  
Clifton  
OklahomaMr. Geo. W.  
Black  
IndianaMrs. F. H.  
Osman  
Ohio

Jim Rohan and His World's Championship Winners

Let  
me put  
**You**  
in this  
World's  
Champion  
Class

# Let me tell you how

## these champions hatched 140 Chicks From 140 Eggs

# I Want Your Photo Here

Here's  
plain  
common  
sense:

You want an incubator that will hatch every fertile egg.

And you want a Brooder that will raise every chick, if such machines are built. You are going to buy the Incubator that you believe is better than all others. That is plain good judgment. Good incubators cost so little and last so long that you can't afford not to get the best!

Now here's my proposition: I want to give you facts and proof! I don't want to take up your time here with empty arguments. You haven't time now for dilly-dallying. The time is now here when you must get busy with your hatching. You want an early hatch. You can't afford to lose time experimenting.

Follow the lead of Uncle Sam. The U.S. Government is among my 201,840 customers! Surely the machine good enough for Uncle Sam is good enough to make money for you! I want to send you the proof that my Belle City Incubator is the best. I want to give you the proof that it has produced a chick for every egg—not luck shots, but time after time! I want to prove to you that all of these World's Championship winners and thousands of others are getting 100 per cent hatches with the Belle City Incubator.

I want to send you the most remarkable incubator and brooder news ever published. I want to send you all the facts about my 6-time World's Champion Belle City Incubator. I want to show you how to get into the World's Champion Hatching Class. I want to tell you how to make the most profit out of poultry right from the start and at the least possible cost. Let me tell you how my

This is the Tycos Cup won by my Belle City Incubator in the World's Championship Contest for best hatches, beating incubators costing two to five times more.



"Tycos Cup"

# You

can get record hatches just as easily as these World's Champions. I will show you how.

I want to tell you how I give you 1, 2 or 3 months test right in your own home, and my liberal, personal 10-year guarantee and money-back offer. Won't you write me now? Just mail me a postal and I'll send all this information and more, absolutely free.

# World's Champion Belle City Incubator

is made—how they are different from all others, how I have embodied in them everything worth having in and on an incubator—the features that have made the Belle City the 6-time World's Championship Winner!

My 140-Egg World's Championship Belle City Incubator has Oakes double disc self-regulator, correct hot water heating system, copper tank and boiler, safety lamp, double walls and double door, with dead air space all over, with roomy nursery and strong egg tray. Of course, the thermometer is right; I use the "Tycos." I also supply egg-tester, Edw. Miller sun hinge burner, funnel, everything you need including valuable instruction book on operation, hatching

and care of chicks.

And I want to tell you all about my famous 140-Chick Belle City brooder—the only double walled, hot water, top heat brooder made, guaranteed to raise largest percentage of chicks every time—a fitting companion to my World's Championship Belle City Incubator.

## My Price Sensation

You may wonder at the remarkably low price at which I sell my machines direct from factory. I want to tell you how I send them all freight prepaid east of the Rockies and freight allowed that far on shipments beyond.

We Ship Quick  
from St. Paul,  
Kansas City,  
Buffalo or  
Racine.

Freight  
Prepaid

East of Rockies  
—Allowed that  
far to points  
beyond.  
10 Year  
Guarantee

Raises  
Biggest  
Percentage  
of Chicks

1,  
2,  
or 3  
Months'  
Home  
Test

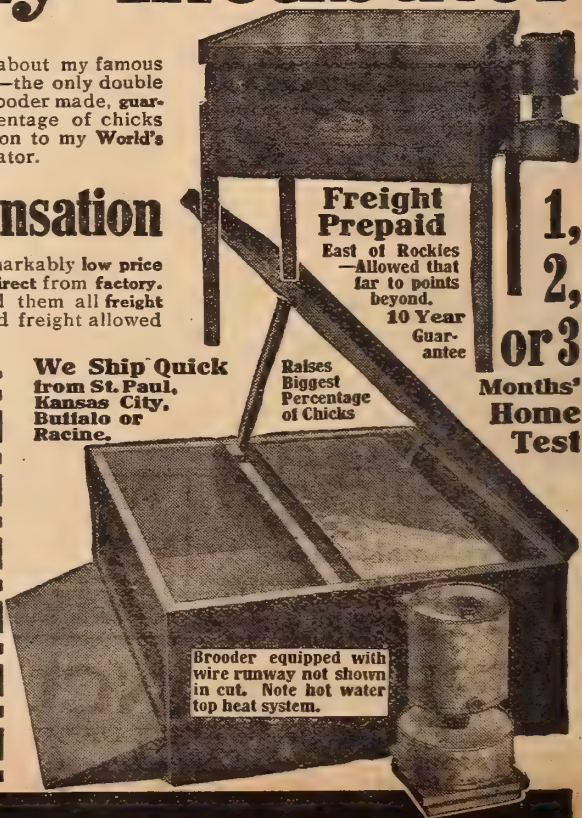
## Just Drop Me A Postal—Now!

I will send you by return mail the proof that my World's Champion Belle City is the Incubator that will pay you the handsomest returns!

If you're in a hurry—if you don't want to wait for all this proof, you can order direct from this advertisement. I tell you how my machines are made, and give you my money-back guarantee. The editor of this paper, or any bank or express company will tell you your money is perfectly safe and I'll do just as I say I will. I ask you to send only \$7.55 for my 140-egg, 6-time World's Champion Belle City Incubator—the best you can buy at any price, or \$4.85 for the 140-chick Belle City brooder. You can order both together if you wish, and save more money at my unheard-of low combination price—send only \$11.50 when both are ordered together.

Don't turn this page without either writing to me or else tearing out this corner as a reminder. Whether you order or not you get all my valuable World's Championship hatching facts absolutely free! But be sure to write me today. Just say, "Send World's Championship Hatching Facts," or order now and save delay. I guarantee to ship machines same day your order is received. Satisfaction guaranteed. Address Jim Rohan, President,

Belle City Incubator Co., Box 27 Racine, Wis.



Brooder equipped with wire runway not shown in cut. Note hot water top heat system.



# B-U-S-T-E-D!

## PRICES

**Biggest Price Wrecking Sale**  
in the history of this Company.  
An excellent opportunity to  
save 30 to 50 per cent.

Never again will such remark-  
ably low prices exist. Don't  
delay—Send your order at  
once or write us. Act now.

### ROOFING

### Smashing Bargains

### FENCING

#### Corrugated Steel Roofing 1 1/4c Per Square Foot

Here is the chance of a lifetime to buy the best roofing in the world, at a mere fraction of its real value. Our enormous buying power enabled us to pick up for spot cash a stock of this brand new, perfect corrugated, "V" crimped and Standing Seam Roofing and Brick Siding, at a tremendous sacrifice—way under what it is actually worth. Immediate cash needed made possible this purchase. Just another chapter added to the long list of our famous bargain sales.

#### Corrugated Steel Roofing Practically Indestructible

There is nothing else that compares with corrugated steel roofing for real protection. It makes a long, lasting roof. Is fire, rain, frost, wind, sun and lightning proof—warmer in winter—cooler in summer and under ordinary circumstances does not leak, rot or warp, neither does it taint rain water. You can depend upon it that Corrugated Steel is the best material for roofing, siding and ceiling.

At 1 1/4c per square foot, we furnish our grade AB-700 Steel Roofing, in sheets 22 x 24 inches x 1 1/4 inches. This price is delivered on board cars at Chicago.

#### Galvanized Steel Roofing 2 3/4c Per Square Foot

Another big Steel Roofing Bargain. Several thousand squares of the very highest grade specially coated, corrugated, galvanized roofing and siding, made of specially prepared steel, of superior quality. Best roofing, and will last indefinitely. We will furnish it in suitable lengths for any purpose. Only a limited quantity on hand, so we urge you to send us your order immediately. Don't wait to write us again—order today, while this stock exists. Price only 2 3/4c per square foot, and will outlast 4 to 1. Just drop us a line, and tell us the size of your studding and general facts, and we will help you to select proper sheets. If you are not ready to use the material now, we will reserve it for future delivery, if you will give us a small deposit on account. This price of 2 3/4c per square foot is for our Lot AB-800 corrugated material, and is delivered on board cars at Chicago. If you prefer some other style, we will furnish it. We have this same grade in "V" crimped, Standing Seam and Brick Siding. Samples on application.

#### Ready Roofing With Supplies 62c Per 108 Square Feet

We have several thousand squares of a superior quality Ready Roofing, which we are offering in our AJAX BRAND, 1-ply, at a price of 62c per square of 108 square feet, including necessary cement and caps to lay it. This is undoubtedly the most remarkable bargain ever offered in Ready Roofing. This famous brand is put up 3 or 4 pieces to a roll. The price of 62c per square of 108 square feet is loaded on board cars at Chicago. We will, however, make a freight prepaid price on this same grade of roofing, including nails and necessary cement of 75c per roll of 108 square feet, and at this remarkably low price

#### We Pay the Freight

to full to any point east of Kansas and Nebraska and North of the Ohio River.  
We will also furnish 2-ply, at 90c; 3-ply, at \$1.05.  
This Ajax Roofing is guaranteed to wear as long, and give as good service as any Rubber Surface roofing on the market.

#### Send for Special Roofing Catalog and Samples

Write at once for our Special Roofing Catalog. Free samples and full instructions for laying roofing.

#### Explanation

The Chicago House Wrecking Company known to the commercial world as the "Great Price Wreckers" is easily acknowledged the bargain house of the earth.

Our Mammoth plant covers 40 acres, and our list of customers are numbered by the hundreds of thousands, and include people from every walk in life. We sell practically everything under the sun at unbeatable prices. We buy our goods at Forced Sales, taking advantage of Sheriffs, Manufacturers' and Auction Sales. In this way we can sell brand new, clean high-grade goods at prices, in many instances even less than the cost of manufacture.

#### Our Guarantee

Our capital stock is \$2,000,000. Any bank or Commercial Agency, or any publisher will confirm our responsibility. We have advertised in this paper for many years. Ask its publisher what he thinks of the Chicago House Wrecking Co.; get this personal opinion of the values, and our square methods of doing business. We guarantee each and every article that we sell to be exactly as per our representations. Should you buy anything from us that fails to come up to our representations, or does not agree with your expectations, we will take back such unsatisfactory merchandise at our freight expense. We want satisfied patrons.

## LUMBER

Complete houses and barns at an enormous saving. Never before in the history of Building material has such an opportunity existed. We offer high grade, brand new complete lumber and building material needed for the construction of houses and barns at lower prices than ever before.

#### 20,000,000 FT. of New Lumber at Our Yards and Warehouses Ready for Quick Delivery

We have upwards of twenty million feet of first class, brand new lumber for the construction of buildings of every kind. A wonderful stock of the very finest millwork, interior trim, etc. enough material to construct cities and villages everywhere. It is our determination that this will be the "Banner" year in the history of our Great Lumber and Millwork department, and the way we will accomplish this, is by quoting prices that undersell any possible competition. The proof of this is in our catalog and literature.

Write today and tell us which you contemplate improving or building during this Spring—talk to us plainly, and we promise you the advice straight from the shoulder. No other concern in the world is equipped such as we are. Right in our main yard and warehouses, at Chicago, we can load you out complete, at one time, and one carload, every single article required for the improvement of the building you have in mind. No where else can you go and get such service.

#### Personal Service To You

You can get the kind of service that will give you absolute satisfaction—satisfaction from the word "go." If you have ideas of your own as to the kind of building that you want, we will give you the benefit of the Great Architectural Department in the world. We will furnish you with plans according to your own ideas, and will quote you a price on the material that will make you a wonderful saving. Dollars saved are dollars earned.

Write today for our Book of Plans and Latest Catalog of Building Material and Supplies.

#### Brand New WIRE FENCING Less Than 1c Per Running Foot

Biggest of all offers of the past. We come to you with the most wonderful proposition ever known, and offer you the very best woven wire fencing at a fraction of its real value; lower in price than ever before, not withstanding that all other merchants and manufacturers have advanced their prices on fencing. We are determined to simply get all the business in sight, and with that in view, we bought up from manufacturer's sales, 150 carloads of High Grade Woven Wire Hog, Cattle, Field and Poultry Fencing, Barb Wire and Nails, in quantities sufficient to take care of our regular customers and those who will quickly respond to this advertisement.



#### Barb Wire Less Than 2c Per Rod

Galvanized, two-point Barb-Wire, full weight (not the light kind) put up regular on spools, containing about 100 lbs. to a spool. It is made of No. 12 1/2 wire, with good weight bars. Price per 100 lbs. during this sale, only \$1.95. Order by Lot No. AB-600. Several thousand spools of this Barb Wire, Painted, price per 100 lbs. \$1.75. Order by Lot AB-500. Also have in stock 1000 spools of light weight, new galvanized barb wire, put up 30 rods to the spool, made of No. 14 galvanized wire, No. 12 bars, bars 5 inches apart; price per spool of 80 rods \$1.45. Lot AB-400. We also have several other bargains. You never had a chance like this before, and we advise that you send us your order today. Don't wait until the material is sold—we cannot hold this quotation open.

#### Galvanized Hog Fencing AT A MATERIAL! REDUCTION IN PRICE

100,000 rods of 25 in. Galvanized Steel Spring Wire, 25 in. high, hog fence, put up in 10, 20, 40 and 60 rod rolls, made with 7 bars, spaced 12 in. apart, with No. 9 top and bottom wires, No. 11 intermediate wires, heavier than the regular fencing offered. Price per rod, during this sale, only 15c. Order by Lot AB-900. Same fencing spaced 6 in. apart, per rod during this sale, only 2 1/2c. Order by Lot AB-1000. Other heights at proportionately low prices.

#### High Grade Poultry Fencing 48 in. High 27c

A complete stock of all heights of Woven Wire Fencing for every purpose. Do not delay your order, but send it in at once, even if you are not ready to have it shipped. We will hold the material ready to deliver when you want it.

#### Several Carloads of Galvanized Wire Shorts

This is smooth wire, put up 100 lbs. to a coil, first-class for general use. Comes in sizes from 6 to 15 gauge. Price for 9 gauge, \$1.25 per 100 lbs. Lot AB-1200. Other sizes in proportion.

#### Some Big Bargains in Nails

At last we have the bargain of bargains. 10,000 kegs of genuine galvanized wire nails; will outlast all other kinds. Put up in regular kegs. Price per keg of 100 lbs., as follows:

10 pennyweight, \$2.00 8 pennyweight, \$2.10  
6 pennyweight, \$2.15 Shingle Nails \$3.00

Also 5,000 kegs of Nails, mixed all kinds in a keg; good assortment, handy to have around your workshop. During this sale only, per 100 lbs., \$1.45. Order by Lot AB-1100. We have other bargains in nails.

Also, in this same job, we have 5,000 kegs of Fence Staples, galvanized; per keg, \$2.00. Lot AB-1400. Crimped wire for reinforcing, cut to any desired length; per 100 lbs., \$2.25. Lot AB-1300.

We have bargains in every line. Write us today for our Wire and Fence Catalog, but the best thing for you to do is to send your order now, and we will hold for shipping instructions.

#### SEND IN THIS COUPON

CHICAGO HOUSE WRECKING CO.,  
35th and Iron Streets, Dept. AH 8 Chicago

Without any obligation or promise to buy, please send me the following catalogs and full information free:

(Put a check mark opposite the books you want)

- |   |  |
|---|--|
| <input type="checkbox"/> Special Catalog and samples of Roofing | <input type="checkbox"/> Catalog of Lumber and Building Materials. |
| <input type="checkbox"/> Book of House and Barn Plans.          | <input type="checkbox"/> Catalog of fencing and wire.              |

Name.....

Address.....

County..... State.....

R. R..... P. O. Box.....

**CHICAGO HOUSE WRECKING CO. Dept. AH 8 Chicago**



# CARL C. BEATTY'S ROSE AND SINGLE COMB REDS

Always heavy winners at the best shows—winning at Cleveland, Indianapolis, Detroit, Mansfield, Lansing, and in all parts of the country in customers' exhibits. **More Specials** than any other strain. Young stock bred like, and bred by these classy winners. Prices reasonable. **Quality** the best. Booking limited number of settings from best matings. Write for prices.

CARL C. BEATTY

--

SUCCESSOR TO BICKFORD &amp; BEATTY

--

VAN WERT, OHIO

# S. C. BUFF ORPINGTONS

WILLARD'S CHAMPION SHOW WINNERS, 300 birds, now for sale, males \$3—some bargains at \$5 to \$10 each—females \$2 up. EGGS from nineteen pens and three farm flocks. Incubator Eggs, \$8 and \$10 per 100. Special matings headed by prize winners, \$3 to \$15 per setting of 15. Large illustrated catalogue free. Write and mention American Poultry Journal.

Willard Poultry Farm

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-

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-

-

Linden, Michigan



TYPICAL NEWTOWN WHITE LEGHORN MALES  
Heading Breeding Pens for 1913

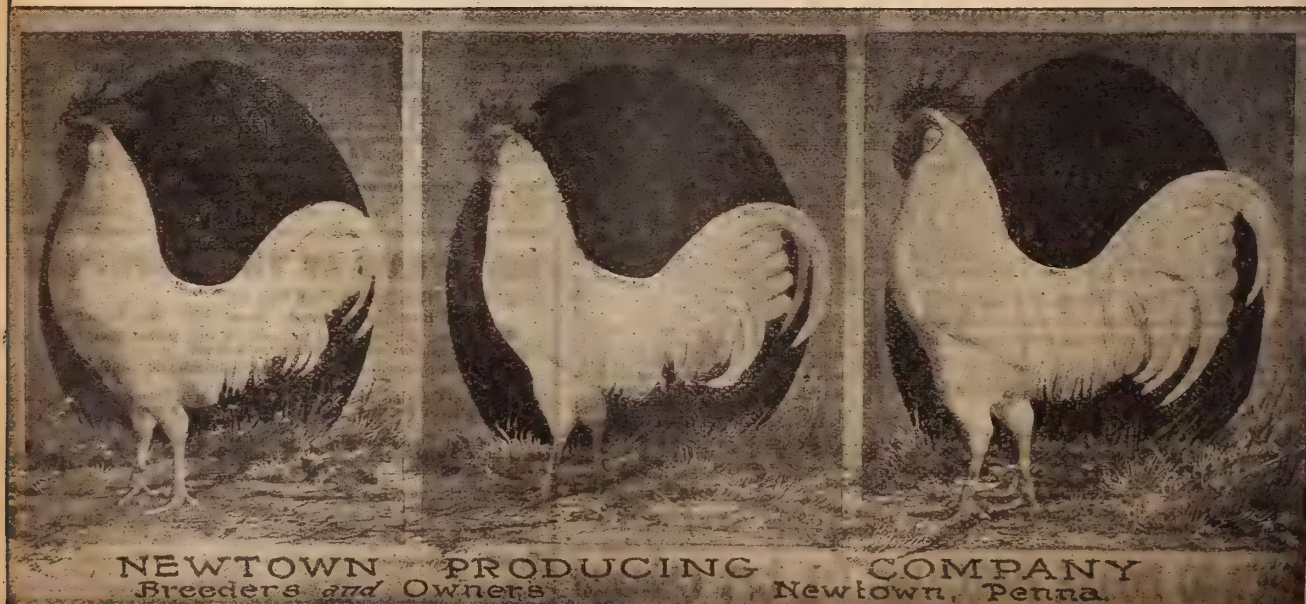
*For Heavy Layers as Well as Show Birds Order*

## NEWTOWN S. C. WHITE LEGHORN Hatching Eggs and Baby Chicks

*From pens headed by birds like these, the heaviest laying strain in America*

*Send 4c in stamps for handsome, profusely illustrated poultry catalog Q and mating list*

Newtown Producing Co., Newtown, Bucks Co., Pa.



NEWTOWN PRODUCING COMPANY  
Breeder and Owners Newtown, Penna.



# LARGEST BABY CHICK HATCHERY

IN AMERICA



We are baby chick specialists. Our 13th successful season. We now have 150,000 egg capacity. Will furnish from twenty Standard varieties. All first-class utility and show stock. Many customers report of winning prizes, and have sold stock as high as \$25.00 for one cockerel. We received several hundred letters from pleased customers.

If you intend to buy chicks, be sure to write for our catalog. We are booking orders for Spring delivery.

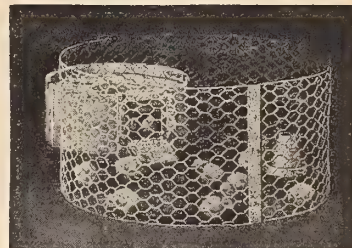
**M. Uhl & Co., New Washington, O.**



Model Portable Hennerly

## Get Your Poultry Supplies == NOW ==

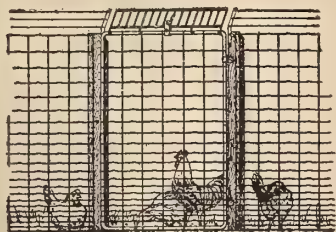
GET SOMETHING GOOD  
AND GET IT IN TIME



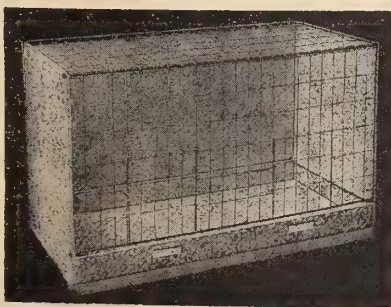
Model Fireless Hover With Yard  
Price \$1.25. Half doz. \$6.90

## You Will Need some of these Fixtures

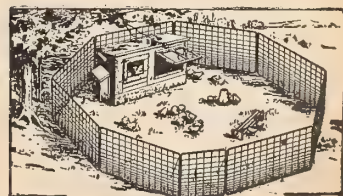
We have them for you, so make inquiry at once



Model Poultry Gate



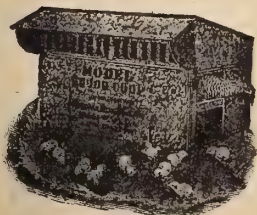
Model Training and Exhibition Coop



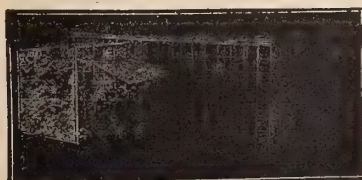
Model Portable Fence  
Strung Around a Brooder

We make Portable Henneries, Brood Coops, Setting Coops, Colony Coops, Fireless Brooders, Trap Nests, Exhibition Coops, Portable Fences, Poultry Gates, Fattening Crates, Wire Runways, etc. Catalogue free. Mention A. P. J. Write now. Address

**Niemann Bros. Mfg. Co. : Box 677 : Mt. Olive, Ill.**



Model Brood Coop



Model Setting Coop



Economy Trap-Nest



# WALDEN'S BARRED ROCKS

Philadelphia, New York and Baltimore winners. I can please you with quality and price. Quality is my aim, with satisfaction assured. Choice breeding stock at right prices. If you want quality that will improve your flock I can supply it. Write me your wants.

R. J. WALDEN :- Box A :- MIDDLEBURG, MD.

## Day-Old Chicks of Quality

THAT WILL

### LIVE, THRIVE, GROW AND WIN FOR YOU



S. C. Rhode Island Reds	S. C. White Orpingtons	Barred Plymouth Rocks
R. C. Rhode Island Reds	White Wyandottes	Buff Plymouth Rocks
S. C. Buff Orpingtons	S. C. Black Minorcas	S. C. White Leghorns
S. C. Black Orpingtons	White Plymouth Rocks	S. C. Brown Leghorns

**A POSTAL WILL BRING YOU OUR FREE CHICKLET CATALOGUE**

Chicks from 10 cts. up. Shipments guaranteed to reach destination safely. All dead chicks replaced. Book your order now. Our equipment includes the highest priced machines on the market and, backed by our twenty years' experience in hatching and breeding, enables us to furnish you chicks that are well hatched, vigorous, strong and healthy. Hundreds of satisfied customers. Poorly hatched chicks prove expensive items even though they are given to you. Start right by sending for our chicklet catalogue today.

**Our Show Record Includes Chicago, New York and Indianapolis Winnings**

Many first prizes have been won by our birds at these National Shows in the past. Our breeders are placed in condition for producing strong, healthy, fertile eggs by December 1, consequently for the present we will not exhibit, but can furnish Baby Chicks from our best exhibition matings that will grow into winners for you. Our Utility Chicks are well hatched, and we can quote you extremely low prices on them. Be sure and get our catalogue.

GOSHEN POULTRY FARMS :- W. H. SCHADT, Mgr. :- GOSHEN, INDIANA  
ROUTE 7

# SAVE THE BABIES

Reduce your loss of little Chicks by feeding them with a

## Simplicity Baby Chick Feeder

'The greatest little contrivance yet invented to take the place of the Cluck in finding food for the little ones; and what's more, they don't have to wait until the hen is successful in finding something for them, neither must they wait for the man with the feed, get weak and lose vitality owing to proper food at the proper time.

## The Simplicity Baby Chick Feeder

is always on the job. It works like a charm, feeds the chicks nice, fresh, clean feed whenever they want it and just enough at a time with just enough exercise to keep them in good condition. Try one now and get more when your chicks start to hatch.

Price \$1.25 each delivered \$6.00 for a half dozen delivered

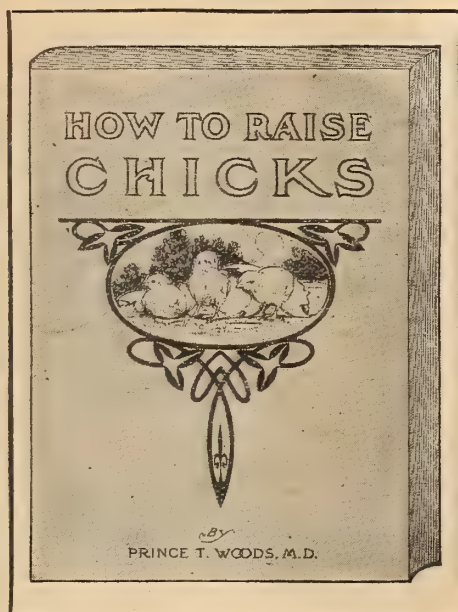
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# DR. PRINCE T. WOODS' NEW BOOK

## How to Raise Chicks



### INCLUDING REVISION OF "FACTS ABOUT WHITE DIARRHOEA"

A down-to-date manual on breeding poultry, getting hatchable eggs, incubation and brooding both natural and artificial, preparing chick foods, feeding chicks, how to raise chicks and how to avoid and prevent disease and losses. Told in plain language. Illustrated with reproductions from photographs and pen drawings. Tells how to make your own brooders and chick foods. Written by a man who knows how and how to teach others. 88 pages, 35 illustrations and 5½x8 inches in size. Printed on good paper. Well and durably bound in cloth.

### A Book for Everybody Who Keeps Fowls or Grow Chickens Whether Beginner or Old Timer in the Field of Poultry Work

It has ten chapters: Chapter I—Selecting and Mating Breeding Stock. Chapter II—Food, Vegetable, Animal and Mineral. Chapter III—Fowls and Food. Chapter IV—Care and Management of Breeders. Chapter V—Eggs for Hatching. Chapter VI—Incubation, Natural and Artificial. Chapter VII—Brooding with Hens and with Brooders. Chapter VIII—Chick Foods and Feeding Chicks. Chapter IX—Growing Chicks. Chapter X—Facts About White Diarrhoea. What white diarrhoea is. Symptoms of disease. Causes. Is there more than one form? Has germ of specific disease been found? Infection. Prevention. Treatment. Formula for a simple remedy which has proved effective in many cases in many climates for four years.

Here is a book devoted to chick comfort and to more and better chicks, 75 cents per copy postpaid. Learn to save your chicks; that means more profit; Dr. Woods tells how; send for the book now, only 75 cents, cloth bound.

75c per copy, postpaid; with American Poultry Journal, one year, only \$1.40. Canadian subscribers add 25c for postage, foreign 50c.

American Poultry Journal, 542 South Dearborn St., Chicago, Illinois



SECOND PRIZE COCKEREL, BOSTON 1911

# FREE

Send in your order today for Day-Old Chicks, Hatching Eggs and Eight-Weeks-Old Chicks. Free booking. No deposit required. Insures shipment when wanted. Prevents disappointment.

## Pittsfield Barred Plymouth Rocks

The strain that makes money for you. Greater than ever. Holds unapproached laying records. One customer's pen laid an average of 249 eggs per hen—three times the average per hen for the U. S. Pittsfield Rocks are the earliest maturing strain. Pullets have begun laying in 96 days from hatching, instead of requiring eight months or more. These are customers' records made under conditions that you can duplicate. They are not records made by professional experts with ideal surroundings. No wonder the poultry world is rushing to Pittsfield Strain since it proves more profitable than any other yet developed.

### Day-Old Chicks

We make any size shipments anywhere and guarantee safe arrival. Last year the demand was so heavy we were sold out two months ahead. We have more layers now, greater incubator capacity, but the sure way is to book your order today when you write for prices.

### 8-Weeks-Old Chicks

The convenient way to get high quality stock. Avoids chances of stunted or deformed chicks. Avoids losses due to poor hatches and brooding accidents, as well as to improper feeding, unfavorable weather and such natural causes as rats and hawks. Saves owning brooders as well as incubators. The only plan that guarantees all pullets.

### Eggs for Hatching

We invariably fill orders with hatching eggs laid the same day that shipment is made. We ship any distance—frequently to the Pacific Coast. Safe delivery guaranteed. See that you have your order booked now. We use the utmost care in packing, insuring fresh hatchable conditions, as well as safety. Eggs from our special pens of prize winners can be had. Our Pittsfield birds won more prizes at Boston this year than any other Barred Rocks.

or stock that will not mature properly. Avoids losses due to poor hatches and brooding accidents, as well as to improper feeding, unfavorable weather and such natural causes as rats and hawks. Saves owning brooders as well as incubators. The only plan that guarantees all pullets.

**"Money-Making Poultry"**—Get this great, free, helpful poultry book. New edition, illustrations, new facts, along with the old truths. Explains our feeding system and tells you how to adapt our simple methods to your own profits. If you want the latest word in poultry handling, you should certainly have this book—not like most poultry books.

**\$225 in Prizes to be Given Away**—Our great "First Eggs" contest, to see how early Pittsfield pullets will lay for our customers, is under way. Send for details. Write us about your needs—day-old chicks, hatching eggs, 8-weeks-old chicks, Utility and exhibition stock. Quality always high. Prices reasonable. **Pittsfield Poultry Farm Co.**  
102 Main St., Pittsfield, Maine





# Leading S. and R. C. R. I. Red Specialist of America

**"DeGraff Book on Reds," International Authority on Reds, 3-Color Plates True to Life, 25c Postage. 50 Breeding Pens for Eggs.**



**I Stand Ready to Take Your Orders for the Best R. I. Reds on Earth, and Guarantee Safe Delivery to Any Part of the World**

I know not how I could give stronger testimonials than these below, as there is no higher authority on Reds in U. S. than I, W. Bean, and if I was not doing an honest business our P. M. would be the first to get proof of it.

Drop postal for my mating list, which gives much information about Reds.

Amsterdam, N. Y., Aug. 7, 1912.

Gentlemen:—

For the purpose of giving some information in regard to Edward T. DeGraff, I will give the following facts:

He has served over 20 years in the banking business. He has been Treasurer of Montgomery County Historical Society for over 6 years, and been Treasurer of several social clubs, which proves we can trust him.

He collected and expended the wheelmen's money for 8 years during which time he constructed over 15 miles of first class cycle paths without charging anything for his services.

He has received mail from all parts of the earth through this office for 10 years and to my knowledge there have been but two trivial complaints brought to the attention of the Post Office Department, both of which he attended to promptly.

Respectfully yours,

THOS. LIDDLE,

Postmaster of Amsterdam, N. Y.

**To Whom It May Concern:**

While I have known for a long time personally and sold many birds to E. T. DeGraff, of Amsterdam, N. Y., still I have never been able to visit his farm till today, and I feel well repaid for coming, as there are many features about this farm that I believe can not be seen elsewhere. While at Boston Show I accepted his invitation to inspect and assist in mating some of his best breeding pens for 1913, and after handling some of his best birds and taking into consideration the large number of Reds of both varieties, none of which I could say were not fit to breed from, I feel safe in saying I could not dispute his claim of having the "largest and best flock of Reds on Earth."

Like many others my curiosity had been aroused by the many good and bad things I have heard about this man DeGraff, and for the information of others who can not personally inspect this farm, I will state the following facts, as I saw them:

I found all fowls housed in open front houses with muslin frames attached, and I failed to see a sick bird in the flock, which numbered over 1000 birds and judging by brilliancy of plumage, and general redness of flock, I believe the fertility of eggs sold from these birds should be very satisfactory, as no forcing for egg production during winter is practiced, so that a full crop of strong germated eggs will be laid in spring for hatching. I personally handled pens of 10 to 12 females each, that would average in quality with some of the prize winners at Boston and New York Shows, while the pedigree specimens are about as strong breeding quality as I have ever handled.

After inspecting what will be the 50 breeding pens as listed in circular, comprising S. C. and R. C. Reds, all headed by first class males selected to blend to best advantage with females, in each pen, I was shown his cockerel house in which I saw over 200 males of various ages to be sold and shipped to all parts of the world.

Anyone who doubts the facts that Reds can be bred in large numbers and have what can really be called red, should inspect this bunch of dark necked harmonious males, as the three colored birds are noticeable by their absence. The flock of hens I saw here will

average darker than any large flock I ever saw, and should make very valuable breeders judging from their type and appearance.

There are many smaller breeders who have fine specimens in their flocks all over the country, but the one point that impressed me here, was that DeGraff not only had his special pens to produce his stock for next year (and he will use many different pens himself) but that he has so many good birds that he can spare eggs or stock from his very best, to those who are willing to pay what they are worth, and not cripple his own flock.

DeGraff claims he has been working for over 12 years to get in the position to be able to do a legitimate fancy poultry business on a large scale, and endeavor to give every customer a square deal (as near as the shortcomings of nature will allow) and I believe when the fact of his large flock is taken into consideration with his untold educational stunts, he has pulled off for the benefit of the breed, that his advertised claim of "The Leading Red Specialist of America" is not an idle boast.

While I have never been an extensive advertiser I was much interested to see the practical results that can be accomplished by extensive advertising, which he has done in a style entirely original with himself. Of the 90 letters received the day before, I noticed about 25% were postal inquiries, 25% regular inquiries about orders, and 50% containing orders in payment of his color plate catalogues, showing people are willing to pay for a high grade article, even in the advertising line, when properly put up for them.

I can readily believe, that it is true, that no breeder in the last six years has kicked on his investment of 25c for this Book on Reds after he had seen and read its contents. From what I saw of the prospective "DeGraff's 1913 Book on Reds" it will be the finest thing of its kind ever printed, and contain information and pictures that no breeder can afford to be without, and more pictures will be framed and preserved than will ever be thrown away.

There are few farms so naturally adapted to the poultry business as this one, and when he has his 500 foot winter house completed, which is now partly done, and more under construction today, together with the 600 apple tree orchard colonized for summer, all of which has running water piped to all parts, there will be little lacking to make this an ideal poultry establishment for carrying out the unlimited possibilities that this true fancier of undownable enthusiasm has planned for the years to come.

I also saw and heard about the other branch farms that are raising DeGraff's Reds under his supervision, so that I believe it will be possible to fill any and all orders that may result from his extensive campaign of advertising planned this spring, with first class quality eggs even to 1000 a day if need be at certain times.

I trust this little testimonial to DeGraff, his Reds, his farm and his business methods may assist in some small degree in restoring a good friend, an enthusiastic and capable fancier and business man to that position where he will again have the confidence which he merits of his prospective customers.

He has been dealt with all too harshly in the few years just passed, but the tide has turned and now let those of us who believe in fair play and a "square deal for every man" be as ready to commend as so many unthinking ones have been to decry.

Yours very truly, I. W. BEAN.

Braintree, Mass., Jan. 26.

**DeGraff Poultry Farm, Leading Red Specialist of America, Box 200, Amsterdam, N. Y.**



# AMERICAN POULTRY JOURNAL YEAR BOOK FOR 1913

**Being a Comprehensive and Authenatic Review of the Poultry Industry for the Year 1912—All Thoroughly and Carefully Indexed for Instant Reference. Including a Practical Encyclopaedia on Poultry Culture.**

## PUBLISHERS' ANNOUNCEMENT.

With the event of a billion dollar poultry industry in the United States, the publishers of the American Poultry Journal think it about time that a reliable and authentic Year Book or Annual should be published in this country. Many smaller industries—some of them many times smaller—have one or more Year Books published in their interests and these industries liberally support and encourage their publication and sale, as it has been found that the circulation of such books tends to create new interest and promotes its advancement before the general public.

It is the intention of the publishers to issue a Year Book annually for the great and growing poultry industry of this country, and we feel confident that it will be well received, as it will fill a real need that should have been attended to many years ago, and the entire editorial staff of the American Poultry Journal will devote its best efforts to make it worthy of a place in every poultryman's library. With such an organization of experts behind it—with the equipment in materials, statistics, trained clerical force, books, artists, practical and expert writers—must, in the very nature of things, produce a book that will fully and truthfully represent our great billion dollar industry.

## SOME PROPOSED FEATURES.

**OUR CONTRIBUTING EDITORS.**—The entire editorial staff—conceded to be the best staff of poultry editors connected with any poultry paper—will lend a helping hand in the completion of the Year Book, and it goes without saying that such a brilliant aggregation of poultry experts will produce a Year Book of inestimable value.

**THE POULTRYMAN'S ENCYCLOPEDIA.**—Will be composed of about 300 questions and answers, with complete definitions of all the technical words and terms used in the poultry industry. Edited by Dr. Prince T. Woods, with the assistance of the entire editorial staff. This feature will be a great help to the amateur and professional breeder.

**FEEDING FORMULAS.**—All the new and best feeding formulas that appeared in 1912 will be published. This feature will cover the entire subject of feeding poultry for all purposes including winter egg production, feeding for the show room, for the market, young chicks, crate feeding, cramming, etc., by the best experts in this country and Europe.

**DIRECTORY OF EXPERIMENTAL STATIONS.**—Will contain a complete list of all the poultry experimental stations of this country with names of managers, who supports them and what they accomplished during 1912, and interesting and instructive articles by their managers will be in the great American Poultry Journal Year Book for 1913.

**POULTRYMAN'S CALENDAR.**—What to do each month in the poultry yard, conducted by Mr. Prince T. Woods, managing editor of the American Poultry Journal. This will be a thorough and practical treatise on raising chickens and will tell in plain words just what to do each month of the year. This one feature, compiled and edited by the best practical expert in this country, will be invaluable to both the amateur and old-time breeder.

**SPECIALTY CLUB DIRECTORY.**—Will be a complete directory of all the specialty clubs in America, all arranged under the different breeds and will contain the names and addresses of the officers, number of members, initiation fee and annual dues; special prizes given and where in 1912.

**POULTRY SHOW DIRECTORY.**—Will be one of the most valuable features of the book to the fancier, as all poultry shows held during the season of 1911-1912 having 2,000 or more entries will be reported in full. First, second and third prizes won, with names of winner, judges making the awards, number of entries in class, date and where show was held; name and address of secretary, entry fees for different classes, date of next show, and all arranged and indexed for

ready and instant reference. All shows having 1,000 to 2,000 entries during 1911-1912 will be reported as follows: Winners of first prizes, name of judges making the awards, date of show and place where held, number of entries in each class, date of next show, entry fees for different classes, whether exhibition coops are provided by the show management or must be provided by the exhibitor, name and address of secretary. All shows having less than 1,000 entries will be reported as follows: Total number of entries, date and where held, entry fees, who furnishes the exhibition coops, name and address of secretary, date of next show.

**SPECIAL ARTICLES.**—Many special articles will be published, written by the best experts in this country and Europe, such as the newest ideas on poultry house construction, how to prepare birds for the show room, the double mating system, single mating system, how to line breed, how to operate incubators and brooders, fattening and preparation of fowls for the market, how to operate back yard poultry plants, how to operate large commercial poultry plants, how to advertise fancy and market poultry, how to produce eggs throughout the year, and many others too numerous to mention.

**POULTRY JUDGES' DIRECTORY.**—A complete directory of all licensed and unlicensed poultry judges of this country, with postal address—breeds they are specialists in judging, poultry papers they are associated with, leading shows they have judged, and other information regarding them will be given in full.

**HANDSOMELY ILLUSTRATED.**—The publishers of the Year Book will endeavor to make it the handsomest and most artistically illustrated poultry book ever published. Many full page four-color illustrations and full page one-color plates will be used. It will also be profusely illustrated with smaller cuts showing all kinds of poultry appliances and diagrams of different articles described in the text. No expense or pains will be spared to make this feature the best of any book ever published.

**THOROUGHLY INDEXED.**—One of the most valuable features of the Year Book will be the thorough manner in which it will be indexed under main and sub-titles, and sometimes cross indexed. This feature will make it a ready reference library of all the important events in poultrydom that transpired during the year 1912. This feature will also possess a historical value that cannot be estimated at the present time. Suppose that ten or twenty years from now you wished to find out what were the total number of birds on exhibition at the Madison Square, or any other show, held during 1912, and who were the winners and judges, or what a certain egg laying contest did, or what was the best treatment for any certain poultry disease, or what the experimental stations were doing in 1912, or wanted some statistical information on any subject relating to the poultry industry in 1912, you would just go to your library and get the American Poultry Journal Year Book for 1913, would turn to the index on any of these subjects and the information would be right in your hand. And remember it is the intention of the publishers to issue a similar Year Book each year. It is unnecessary to say that such a historical record of each succeeding year will be worth preserving for the generations yet to come.

**PRINTING AND BINDING.**—The book will be published in the convenient size of 5½x8 inches and will be printed on high grade book paper suitable for printing fine halftone illustrations in the best manner possible. The cover will be an artistic and original design, and the binding will be linen thread sewed to make it flat opening. There will be nothing cheap or trashy about the book, as it is the intention of the publishers to make it a representative of the best present day standard of artistic printing and worthy to be handed down to posterity as an example of what the best printer could produce in the year of 1912-1913.

The American Poultry Journal Year Book will contain between 400 and 500 pages and the prices will be \$1 for handsome cloth bound de luxe edition, and 50c for paper cover edition.

## Special Combination Offer

Paper Bound Edition of the "Year Book," and a full year's subscription to American Poultry Journal for only \$1.25, or CLOTH BOUND EDITION and one full year's subscription for only \$1.50. For Canadian subscriptions add 25 cents a year for postage; foreign subscriptions add 50 cents.

American Poultry Journal, 542 So. Dearborn St., Chicago, Ill.



# DON'T KILL THE LAYING HEN



**T**HE HEN that lays is the hen that pays. Hundreds of thousands of hens are killed each year that are in full laying condition, while an equal number are kept in the flock that never have or never will lay an egg, or at best will lay only a very limited number. All this may be avoided if everybody would use the Potter System of telling the layers from the non-layers.

## Cull Out the Drones and Save on Feed

Why should the poultry breeder go on wasting feed by feeding a lot of hens that do not produce enough eggs in an entire year to pay for their feed for one week, when it can be avoided by learning the Potter method of telling to an absolute certainty just which hens are the producers and which are the drones in the flock?

If you know the Potter System you can reduce the size of your flock and save money on your feed bill, and at the same time secure just as many eggs at from one-third to one-half the cost. **Is not this worth considering?**

The Potter System is the only reliable system on this subject, and anyone can learn it in an hour's time, and we guarantee that anyone with a little practice can go among a flock of fowls and pick out the layers as rapidly as the birds can be handled. We have thousands of unsolicited testimonials from people who have purchased our book "Don't Kill the Laying Hen" and learned how to pick the layers and who consider the book worth many times the cost. Read what a few of them have to say:

## TESTIMONIALS

3095 W. 100th, Cleveland, Ohio.

Gentlemen:—Having received one of your books regarding the laying hen, I am pleased to say that it has done a great deal for me and would not part with it for many times what it cost if another could not be had. Yours truly, JOHN VAN SCHOAR.

304 Grand Allee, Quebec, Canada.

Gentlemen:—I received your book "Don't Kill the Laying Hen" some time ago. I am very much pleased with it and think it the best book I have ever read and would not be without it for any amount you would ask for it, and think every person that keeps fowls should have a copy. Yours truly, ED. ARCHER.

Wellsville, N. Y.

Gentlemen:—I received your book on "Don't Kill the Laying Hen." Will say that it is all you claim it to be and that it is no fraud. I went out to the hen house last night and tried the test. It worked to perfection. I predicted that a few hens would lay the next day, and sure enough some of them have laid. Very truly yours, WM. H. LEO.

Jutland, N. J.

Gentlemen:—Yours at hand and am glad that you have notified me of your new book of the system of selecting laying hens. Your old book has saved me many a dollar on feed bill, besides giving me more room for the layers. I would not be without this book for any money and am glad you have added more to it. Yours truly, M. V. TAYLOR.

977 Wilcox Ave., Chicago, Ill.

Gentlemen:—I must say your book "Don't Kill the Laying Hen" is valuable to any poultry keeper; it is worth its weight in gold and your system reliable in every way. I am more than pleased with it. I have told some of my friends about the system and they got the book and are pleased with it. Yours truly, JOHN MOYER.

Box 105, R. R. No. 1, Charlestown, Ind.

Gentlemen:—I am ashamed that I have allowed almost two years to pass without writing you how thoroughly I endorse and value your book "Don't Kill the Laying Hen." The only thing I don't like is I can't tell my poultry friends all it has taught me. I would not be without it for many times its cost. We frequently ship fifty or sixty hens and get as many eggs as before, showing we had not shipped laying hens. It saves me a trip to the poultry house at night to know which are broody hens. At feeding time I examine all hens on the nest and shut up the broody hens. Yours very truly, MRS. B. R. McCONNELL.

Deer Creek, Okla.

Gentlemen:—Your letter and circulars to hand and contents noted. Yes, the best I can do is to have the new book "Don't Kill Biddle." It has made me one hundred and ninety dollars and still making more, and only a few chickens, from 70 down to 44 now. I'm running two machines and selling enough to support me and living like Queen Victoria. Yours truly, G. W. NORMAN.

Tucson, Ariz.

Gentlemen:—Your book in regard to the laying hen received. It is well worth the price. Anyone owning a small flock of chickens ought to have one. Yours truly, J. A. GORDON.

614 Boos St., Harrisburg, Pa.

Gentlemen:—I received your book on "Don't Kill the Laying Hen" and must say it is all it is claimed to be and more. Yours truly, GEORGE J. GRIFFEE.

Lincoln, Kansas.

Gentlemen:—Your book "Don't Kill the Laying Hen" is just the thing for a poultryman. I don't see how I got along without it. I would not part with the knowledge gained from it. Yours truly, MRS. IDA MEIER.



# THE FOURTEENTH EDITION OF THE GREAT POTTER BOOK

is just off the press. Revised and improved to such an extent that it is now without question the **greatest book** of its kind ever published. This book contains 96 pages, (6½x9 inches) and 38 illustrations; printed on super-calendered paper, bound in two kinds of binding-paper and cloth. Will make a very valuable addition to any poultryman's library. In fact, no one who raises poultry, no matter how many or how few, can afford to be without a copy of this great book. The secret this book contains is worth many dollars to anyone.

More than 100,000 copies of this book have been sold during the past few years, which in itself is conclusive evidence of the value of this book. When ordering a copy of this book you must promise not to reveal the secret to anyone except the immediate members of your family. The secrets it contains cannot be obtained from any other source. Everyone who receives this book is pledged not to reveal them to others. Therefore, it is to your interest to obtain a copy of this book at once and become a member of Potter's great "secret" family, stop killing the laying hen, thereby greatly increasing your poultry profits.

The Potter System of telling the laying hen has stood the test of time. It has been advertised in these columns for the past eight years, and during that time thousands of copies of the book have been sold and thousands of poultrymen all over the country have been enabled to turn loss into profit and thousands more can do the same thing if they will take advantage of the following offer:

## How to Get the Great Potter System

Realizing the great importance of this system to all poultry breeders the American Poultry Journal Publishing Co. has secured the exclusive right to print and sell this great work, and the benefits to be derived from system will be given to American Poultry Journal subscribers only.

## OUR GREAT OFFER

In order to supply every poultry breeder with the great Potter System and the greatest poultry journal on earth, we have put the price within reach of all, as follows:

Don't Kill the Laying Hen (Paper Cover) } BOTH FOR  
American Poultry Journal, one year . . } **\$1.30**

For the Cloth Bound Edition, \$1.50

## A History of Eight Non-Laying Bob-Tailed Hens and One That Was Not Bobbed

Including valuable scientific facts regarding molting. A supplement to "Don't Kill the Laying Hen." This supplement gives the story of One Hen that was not bobbed; the story of the first four non-laying bobtailed hens; the other four non-laying bobtails; how hens having red combs are deceiving; forced molting bad business; how the laying season may be extended and many more eggs obtained, or why hens having good laying organs stop laying early in the season, and much other valuable information which is worth far more to the average breeder than the small price we are asking.

If after a careful study and trial of the system you find that we have misrepresented this system in any particular, money will be cheerfully refunded. We have given this system a thorough investigation and know whereof we speak. If you are already a subscriber to A. P. J., we will extend your subscription one year from its present expiration. Send all orders to

**AMERICAN POULTRY JOURNAL PUB. CO.**  
542 SOUTH DEARBORN STREET : : CHICAGO, ILLINOIS



# WM. COOK & SONS

## ORIGINATORS



OF ALL THE  
ORPINGTON FOWLS AND DUCKS

ESTABLISHED 1873 BOX A, SCOTCH PLAINS, NEW JERSEY

Eventually if after the best Orpingtons, all varieties, you will send to their originators. Why not now? and avoid loss and disappointment; we guarantee safe delivery and satisfaction, which is backed by a reputation of forty years' standing. This means

much to you. We are not here today and gone tomorrow as some breeders have been and are doing. Then experience counts. Surely we should understand Orpingtons better than a man who has had them just a year or two. We made the Orpingtons, all of them, including the Blue Orpington, our latest production, and are recognized headquarters for the best. A visit to our plant, where you are cordially welcome, will prove this, as well as our thirteen thousand first prizes, and our winning 103 firsts and 72 seconds at Madison Square in six showings, more than 8 times as many firsts as any other Orpington breeder. We can supply on the same day as order is received. The finest line of exhibition and breeding birds that we have ever had. Imported birds from our English plant, personally selected by our Mr. P. A. Cook for the American requirements, which English breeders do not know. Or American bred birds from our many American winners, sons of our first prize Madison Square White, Buff, Black and Jubilee Orpington cockerels.

**EGGS** from the **Finest Orpingtons** in the world, all varieties, and our first prize 1913 winners, \$20 a setting; three settings for \$50. From fine stock and second prize winners, \$10 a setting.

We will guarantee our best eggs at \$20 a setting to produce better birds than from any eggs purchased at \$75 a setting upwards from any other breeder; if not, we will refund in full the money paid us.

**Remember** that many of the first prize winners at the largest shows during the past season were hatched from our best eggs. **Blue Orpington eggs** at one price, \$20 a setting.

If you can advertise **Cook strain Orpingtons** it will add money to your bank account and prestige to your stock. It pays to own **Cook Orpingtons**. **Ask the people who own them.**

### Send 10 Cents for Illustrated Catalogue

Containing history of the origination of all the Orpingtons and hints on poultry keeping. **Mating List free.** Advice free. Inspection cordially invited. Trains met. Cook's Roup and Worm Powder, also laying and condition powder, for sale in \$1 and \$2 boxes. Ornamental land and water fowl for sale.



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VOL. 44

MARCH, 1913

NO. 3

# AMERICAN POULTRY JOURNAL





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## Arithmetic Governs In All Things

Making Poultry Keeping Profitable, Comes Down to a Question of Figures or Quantity.

By H. H. Stoddard, Riviera, Texas



YOU CAN NEITHER LEARN nor describe a fact, or even an opinion on any question or doctrine whatever, without the aid of mathematics. Much or more. Little or less. Great or small. These considerations have to be part of your mental activities while you are learning or reasoning, or you cannot learn or reason at all.

Whether the subject is painting a house, witnessing a horse race, voting on the tariff, enjoying the smile of a healthy and happy baby, shooting a deer, embracing a religious doctrine, bestowing in charity, buying a big codfish, or wrestling with the two hundred

egg proposition, it is mathematics, mathematics, mathematics.

Take shooting the deer for instance. If you aim behind the fore-shoulder to reach the heart it is because you believe that aim more likely to kill. If you are painting a house you make your stroke in a particular way after dipping the brush, because you believe it will be more effective than some other way in spreading the paint evenly and quickly. But later you make your strokes differently in order to be more effective in obliterating the brush marks.

**Storrs and Mountain Grove.**

In the poultry business the late famous egg contests at Storrs and Mountain Grove were planned and carried out solely, entirely and totally on the consideration of more or less.

The great manufacturing concerns are run by careful figuring. Generally speaking they work on close margins, and expect to succeed through an exceedingly small profit on one article, or one pound, or whatever, by means of rapidly producing a great number of articles or pounds.

To such an extent is mathematics carried lately that actuaries work at nothing less but calculating the cost of each separate process through which the product passes; also a manufacturer hires an expert to come to his plant and look it all over, top, bottom and sidewise, to find out leaks, and how operations can be cheapened, even in a very small degree, in any of the stages of production.

All such features are bound to appear in the great egg farms of the future. They are almost absolutely unthought of now. Bless us all. Even the very largest and best of the poultry farms today are in just about the condition that manufactories were all over the U. S. seventy years ago. They lacked, then, both mechanical appliances and organized systems for saving labor, which factories have today.

The commercial poultry plant is a new institution. The labor cost of producing a dozen eggs, or a million, is to be cheapened by inventions, largely mechanical, that will make necessary only a half, a fifth, a twentieth, fiftieth, or one-hundredth part of the work in certain details compared with the present.

The ground is almost entirely unplowed and uncultivated as regards big market poultry concerns carried on under methods of modern business. Let us illustrate, mathematically, labor saving, in one detail, while tending chickens

cooped with mother hens. They must ordinarily be shut up every night, and let out every morning.

Now, there is an experimental poultry plant, larger, more complete and more practical than any other which ever existed on this rapidly revolving globe; to wit, that of the American Poultry Journal, and at the Texas end of this comprehensive Experiment Station I made the following trials in shutting up and letting out. A very trivial detail, you may say, but modern manufacturing business of any kind is made up of hundreds of details, each of which needs lots of study, and egg raising is essentially a branch of manufacturing.

First experiment: I placed thirty A-shaped brood coops in a row just far enough apart to lessen the liability of chicks getting into the wrong pew. The door to allow the youngsters to go in and out had to be at or near the ground, of course, or very young chicks could not use it. The bending down, unfastening, then fastening and getting back to an upright position, took one-fifteenth of a minute, or two minutes for the row of coops. Take notice that I am not just at present speaking of the time in going from one brood to another, but merely the time in opening and closing which is very little for one brood, still it is appreciable for thirty broods of sixteen chicks each, or four hundred and eighty birds in all, i. e., one "battery."

Second experiment: I contrived the entrance and exit doors to close by their own weight, and each to open by a wire, or cord, within reach of the hand about waist high, the motion being so quick that hardly a pause need be made at all in going from one coop to another. The saving in time was three-fourths, that is, the thirty doors were worked in one-half a minute instead of two minutes as before, and no laborious stooping was required.

**The Wire Pull.**

Third experiment: I was not satisfied with a device that would enable one attendant to do the work of four previously, and so tried the wire pull, as our folks call it, which had in sundry other cases saved for me hundreds of miles of travel in poultry chores, and an amount of time surprising to anybody who has not been accustomed to similar labor statistics. My wire-pull, called so for convenience, is a stout wire about the calibre of a shingle nail, and runs the length of the row of coops. At intervals, short pieces of smaller wire were attached to the pull-wire and to the doors of the coops, these opening upward and closing by their own weight. Now, one pull, needing one-fifteenth of a minute, opens thirty doors; whereas, in the second experiment, one pull opened only one door. This, however, is not the whole of the saving. The trip from one coop to another in experiments one and two took one minute, which is saved in experiment three.

**Fierce Competition Will Compel Labor Saving.**

In all, two and fourteen-fifteenths minutes were saved by the wire-pull idea, so that plan three saved forty-four parts of the time out of forty-five, as compared with plan one. The foregoing, from "real life," illustrates how mathematics rules in poultry keeping. Readers may remember how the convergent yard plan saves sixty-nine-seventieths of travel, and there are at the least calculation a hundred



other separate matters on a large commercial poultry plant where a saving of from one-tenth to ninety-five one-hundredths of time can be made. I estimate that the total time saving, all through an establishment will enable one man to do the previous work of five or more men. But it must be kept in mind that only a great increase in the number of egg farms and the resulting fierce competition will compel the intense labor saving I am speaking of, and force the adoption already common in various industries of the motto: "Use a machine instead of a man whenever possible."

Lucky the manager will be who does not wait, but adopts at once every labor-saving method his ingenuity can invent, and who pulls up his plant located in the wrong place and moves to the very best place in the U. S., for location itself is a tremendous labor saver, and a saver of capital, too.

Minutes, and fractions of minutes; seconds, and frac-



tions of seconds, must be saved on everything that is to be done over and over again. Operations that are performed only occasionally will not, generally speaking, justify mechanical labor-saving devices.

I cannot endure, for instance, often-used poultry yard gates that must be fastened and unfastened every time you go through. The ancient plan of cord or chain, or stout wire, fastened at one end to the gate and at the other to a stake in the ground with a reasonably heavy weight between, saves a lot of time. You can carry a basket or a pail in each hand and go through one way without setting down either burden, by going through backwards, and you need check your speed except slightly. In going through the other way a simple device enables you to start opening the gate with your elbow.

In feeding young chicks and mother hens the right way of contriving and operating saves at least three-fourths of the time spent in the old way. As regards watering the ideal plan is to have water piped within reach of every bird, young and old, on the place. This works to perfection here where water does not freeze, thus allowing a tremendous labor saving.

As I have heretofore pointed out the planning of so trivial a thing as an ideal coop for a hen and brood demands a surprising amount of gumption and study, because in securing one advantage you run into a disadvantage. You are up against mathematics again. How much does the disadvantage weigh against the advantage?

How often the device is used, how great the per cent of labor saving, how well it will keep in repair, how fast does it wear out; or in other words, what is the annual charge

for depreciation, and what was the original cost, should all be considered.

Carnegie was a pioneer in instituting thorough work of actuaries and accountants on a scale both minute and comprehensive. Once, before trusts were formed, he politely piloted rivals all around his steel plant and amused himself by taunting them pleasantly and in jocose vein with the statement that he was beating them all out, and would continue to do so because "I know you will not know how to use my methods, or will balk at the cost." Then he took them to a large room where there were thirty desks and an accountant at each, and in co-operation with all the foremen of the various departments, and the use of many various blanks they kept tab of the exact cost of doing things in every process, involving heat, light, power, etc., besides the main items of materials, interest, wear and tear, and labor. "Gentlemen, this bureau of statistics, I call it, in addition to the usual office force, costs me over two hundred thousand dollars a year to run it. And it pays."

A dozen years before I ever heard of Carnegie's close calculations in labor saving, or of a similar example in any field, I had organized a branch in the publishing business in the same way, down to extremely minute details, thereby enabling one hand to do the work three performed previously, and with more ease and with fewer mistakes. I mention this fact to show that saving a big per cent in each of many little operations on a large plant is an old plan of mine. By adding all the separate savings together a surprising result is reached.

In twelve or fifteen years after reading Carnegie's methods, his example was being followed, as a matter of course, in many great industries.

#### Proper Way of Figuring.

"Nebraska Farm Journal recently received a letter from



a man who uses both teams and tractors on his farm. In one outfit he runs eight three-horse teams, which will do about the same amount of work as his 30-horsepower tractor, and this affords a good opportunity for a comparison of the expense.

"The tractor cost \$2,800 and the plows \$400, making a total investment in the output of \$3,200. An annual depreciation of 10 per cent is charged. This amount is distributed over 100 working days, as the tractor does not work every day in the year, and that number is considered a fair amount of work for it in an ordinary season. A day's plowing with the tractor, according to this man's figures, cost \$16.59, or 83 cents an acre, an average of 20 acres per day being the record of the outfit. Itemized the expense is as follows: Gasoline, 45 gallons at 12 cents per gallon, \$5.40; 4 gallons of lubricating oil at 30 cents, \$1.20; engineer and his board, \$2.25; plowman and his board, \$1.75; grease, 12 cents;



interest on investment, \$1.92; depreciation, \$3.20; and repairs, 75 cents.

"With 24 mules drawing eight 14-inch plows the total cost of a day's plowing, including the labor of the men, was \$37.32, itemized thus: Interest on investment, \$3.04; depreciation and repairs, \$5.08; eight men, at \$1.25 per day, \$10; feed, \$19.20. A valuation of \$200 each, or \$4,800, is assigned to the mules, and the eight sulky plows are listed at \$280, making a total value of mules and plows of \$5,080. Twenty-four acres per day is an average for the eight teams and the cost of plowing is \$1.55.

"This, compared with the cost of 83 cents with the tractor, gives a difference of 72 cents per acre in favor of the engine. In the section from which this man reports it costs about \$80 per year to keep a horse or mule.

"If an engine can plow cheaper than the horse, it can do the work of seeding and harvesting at a lower cost."

I quote the above to not only show how every item should be figured in, but to show besides that in the Southwest the "seeding and harvesting," and cultivating, too, of the immense quantity of the poultrymen's green stuff and his grain hauling will inevitably be performed by auto. It is good-bye horse all along the line.

As regards balancing advantages against disadvantages, I read in a poultry paper I just now picked up, the following:

"There is no doubt a poultryman will get more eggs if he has scratch sheds. That is a fact that cannot be denied. But that he will get enough more eggs to justify the added expense and labor I very much doubt. It has been my experience that it is not so. I have found that the



hens will not lay enough more eggs to pay me to put, perhaps, half again as much expense into my houses, take the trouble to supply the litter and to keep the shed clean." The following, concerning feeding, is less sensible:

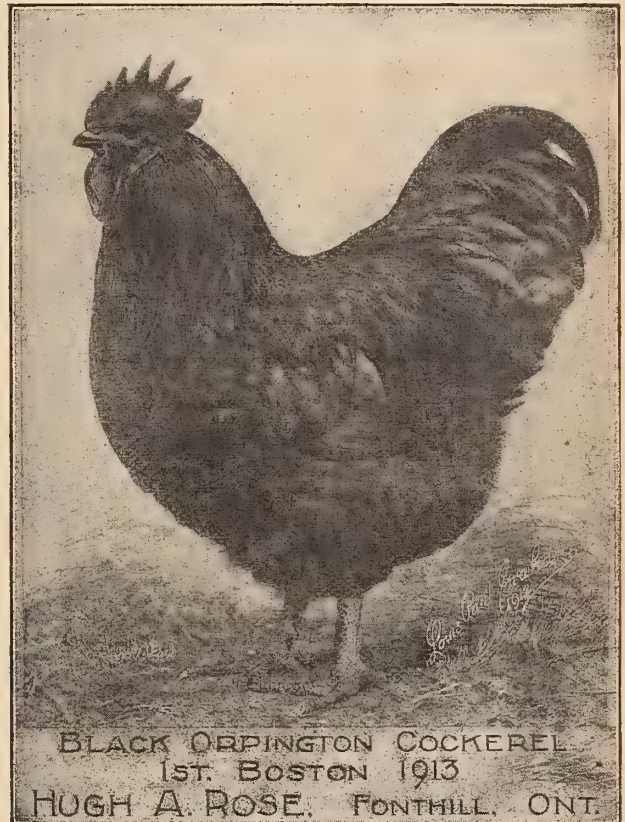
"I feed my hens according to what I think will yield the best returns for the capital invested. At the present time the mash ration consists of the following ingredients:

- "Shorts, two parts,
- "Ground wheat, one part,
- "Ground corn, one part,
- "Oil cake meal, one-fourth part,
- "Salt, a couple of handfuls,
- "Pepper, mustard or ginger, as much as can be taken in one hand.

"The reason that I feed the spices is the same as that for which I take a little salt and pepper on my own food. I like it, and I am of the opinion that the chicken does. I do not stimulate the flock, except in the fall; that is not

the idea at all. I am simply of the opinion that the fowls like that dash of spice, and I therefore give it to them. Of course in the fall I give a great deal more spice than that, and I also give a good deal of green feed, in the mash, with the idea that I will help along the molt, and also get a few more eggs. At the present time I also cook for the hens. This is not the rule in the summer, but in the wet weather I think it helps out a little. For the four thousand hens I cook, every day, a five-gallon can of Egyptian corn and one of beef scraps, together. This will make about four cans when it is cooked, and that is the amount that I feed. I mix this with mash, and the hens appear to relish it greatly."

On this gentleman's ranch the hens receive, every day, an allotment of fresh meat. For the four thousand the daily ration is one hundred pounds in the ordinary amount,



or one hundred and sixty pounds in the "forcing season." This is given to the birds raw. Mr. Blank stated that he preferred raw meat to the beef scraps solely because he was of the opinion that it gave better results for the money, which is, indeed, the thing which is considered in all points on this ranch.

"For a grain ration the poultry is given all the wheat and ground corn they will eat. Both grains are fed separately, in hoppers, so that the birds may have as much or as little of each as they desire to eat. They are also given Egyptian corn, as much as they like, and in the summer this takes the place of the yellow corn. The hoppers are built in houses the exact size of the roosting houses, so that at any time the feed houses may be turned into a hen house. In this way the feed is kept much dryer in the winter than if it were fed out of doors on the ground."

The keeper whose opinions and methods we have quoted above runs a very successful plant. His four thousand layers have an open range, which, of course, makes scratching exercise less necessary, especially as his breed is Leghorns, bound to do lots of running around.

On studying the above carefully the reader cannot help noticing that the allowance of "salt, a couple of handfuls, and pepper, mustard or ginger, as much as can be taken in one hand," gives little information, for the quantity of the mash which receives the seasoning is not stated.

There is another curious proposition. This party allows from two-fifths of a grain to a whole grain more than three-fifths of an ounce of fresh meat per layer per day, or an average of almost half an ounce. This means a bit of about the size of a lady's little finger. I was going to say the size of your thumb, but the thumbs of readers, if



you include the male sex, are some of them thumpingly large.

Now, please notice that the proprietor seems to have guessed that the above mentioned small quantity of fresh meat per day was all that he could afford. Suppose he had doubled it, might it not have paid well? Just here inevitable mathematics comes in, and the need of repeated and very careful experiments by the Stations, which have thus far done but little on the "living animal cell" question, compared with its tremendous importance involving the production of millions of dollars worth of eggs. During the past year, almost everywhere, much larger quantities of green stuff than formerly have been fed, and it has been demonstrated more clearly than ever that dried vegetable matter, like alfalfa meal or dried beet pulp, does not fill its place.

A consideration of great importance also is that young chickens are grain eaters only imperfectly. They, in a state of nature live, when young, like the young of almost every species of wild birds, almost entirely on insects and

green stuff. When adult our fowls are, of course, omnivorous. Grain will take a back seat in chick feeding when you keep it before the youngsters all the time in competition with fresh, tender and finely chopped rape and fresh animal food, lean and fat, too, all the time, everything separately. They will eat decidedly more rape in proportion to their size and weight than grown fowls will. The very first time you feed your wee chicks leave out cereals and cooked vegetables entirely, and give finely chopped fresh vegetables and fresh meat. See that they have all they will eat all their lives of the former, and of the latter, too, until they grow up and the cost becomes prohibitive. When that stage is reached substitute all they will eat of the best quality of scrap obtainable.

As I have urged, the Stations should exploit various sources of fresh meat supply for laying birds, as one Station has done already, and furnish us all with statistics showing how far we can go in this matter and make it pay. Mathematics, again, which govern everything.

## Experiments in Profitable Egg Production

A Record of Six Years Work With Poultry, Showing Greater Profit With Little or No Increase in Expenditure.

By James B. Morman, Kensington, Md.



THE POULTRY KEEPER, whether on a large or small scale, aims to get results that make his efforts worth while. There are a few persons who keep fowls for pleasure, but the great majority are seeking to make profits. In our extremely practical age, the utility side of poultry keeping is its dominant feature, and the subject of egg production stands preeminently in the front rank.

The profitable production of eggs is a matter of general economic interests at the present time. If the sale of eggs be the aim of the farmer, the commercial poultry keeper, or the small holder in the suburbs, then methods of in-

creasing the yield of eggs without additional cost of feed or labor become of practical value to each class of poultry keeper. Such information is timely in view of the high cost of poultry feeds, of labor, and of other factors which enter into the cost of producing eggs, and especially in view of the fact of no apparent increase in their selling price.

It is frequently said now-a-days that it is cheaper to buy eggs than to produce them. While this may be true in some instances, it is not true as a general statement. If it were so, it would mean the death blow to a very promising phase of the poultry industry. To prove that this is not the case and for the benefit of the readers of AMERICAN POULTRY JOURNAL, it is my purpose to describe as briefly as possible the simple principles of breeding and management I have practiced during the past few years and which have afforded profitable returns.

### Selection of Early Layers.

Some nine or ten years ago I moved from the city into

the country and bought a small place which had on it a barn and a small poultry house. Having a much stronger desire to keep fowls than a horse, I fitted up the lower part of the barn for fowls, putting in windows where necessary and making other changes incidental to a practical, intensive poultry plant. From information I could gather from various sources, I estimated the capacity of my buildings at about 50 fowls, and this is the number I have aimed to keep from year to year. I selected White Plymouth Rocks, not because I knew anything about them, but because an opportunity presented itself to buy them with the premises. They were ordinary layers, having been kept wholly for eggs for household use.

For a few years prior to 1907, no particular attention had been given by me to record keeping with a view of ascertaining how many eggs the fowls laid or whether they paid any profits. But about that time I became more deeply interested in the subject of egg production from the biological point of view as a result of reading an account of the breeding work carried on by the Maine Experiment Station. These experiments had for one of its objects the increase of egg yields in fowls. I decided, therefore, to see if I could increase the egg production of my own flock by paying more attention to principles of breeding, systematic care and feeding, and the keeping of records. As far as the latter feature is concerned, I now recognize the value of annual poultry records to the progressive poultry keeper, since they furnish an interesting comparative statement of the business from month to month or year by year and tend to demonstrate the value of different tests made with a view to increasing profits.

It is well known that, in the case of heavy breeds of fowls like the Plymouth Rocks or Wyandottes, the ordinary time for a pullet to begin to lay is between seven and eight months. But in this respect individual fowls are not alike.



Scene on the Farm of S. A. Nofztger, North Manchester, Ind., Originator of Partridge Plymouth Rocks



Some begin to lay before others, according to a recognized principle of biology. As a result of this tendency to variation in the laying period, some pullets begin to lay very much earlier than others. This tendency, I believe, is sometimes further promoted by good care and feeding given to the chicks. Such an occurrence took place in my own experience in 1906. A few pullets began to lay a little earlier than usual, and it occurred to me that these pullets would serve as a good foundation for future breeding stock for the production of eggs. The outcome surpassed my expectations. The results, so far as early laying is concerned, is briefly summarized as follows:

In 1907 I succeeded in reducing the time of early laying to a few days more than six months. By following a similar method in 1908, the period of the earliest laying pullet was reduced to 5 mos. 18 days. Again in 1909 the early-laying period was still further reduced to 5 mos. 4 days—an exceptionally early laying period for the Plymouth Rock breed of fowls and which has not again been equalled in my experience.

#### Introduction of New Blood.

In poultry breeding for egg production, especially where one's flock is as small as 50 fowls, it is highly important to maintain the vigor of the flock. This is done by the infusion of new blood usually on the male side. When new blood is introduced, two interesting questions arise, namely—What effect will it have on early laying? and will the early laying tendency plus the increased vigor resulting from the cross with a new strain have a tendency to increase or decrease the egg yield?

In all probability the maintenance of vigor is of greater importance in egg production than in early laying. In the latter case, it sometimes occurs that a pullet which lays exceptionally early either lays a few eggs and becomes broody or moults in the late fall or early winter. If a pullet does either of these things, the egg yield is thereby diminished at a time of the year when prices are high because of the scarcity of fresh eggs. On the other hand, for the production of prolific layers vigor is absolutely essential, and the keeper of small poultry flocks will make no mistake from the biological point of view by introducing new blood into his flock every two or three years. Some of the results as determined in my own tests have an educational value.

The first effect of the introduction of new blood was to set back the early laying to 6 mos. 15 days in 1910, and to set it back to practically the normal period in 1911, when the first pullet's egg was not laid until 7 mos. 13 days. Here, then, was a gradual elimination of the early laying tendency within two generations by the introduction of new blood, and the question of vital importance, so far as concerns profitable egg production, is as to its effect on prolific laying and on the total egg yield during the year. Let us now briefly consider these points.

#### Development of Prolific Layers.

While early laying is not, as a general rule, any indication of the egg-laying capacity of individual fowls nor of superior vigor, there is no biological reason why both can not be developed together in fowls by means of systematic selection, careful methods of breeding, and good care and feeding. It is my conviction now, after making various tests covering several years, that both breeding and management are necessary for the development of the best layers. Either factor undoubtedly results in improvement, but the two together will give the best results so far as increasing egg production is concerned. If, by the selection of early layers and by good care and feeding, a strain of prolific layers can be produced, not only will the profits of the industry be increased, but certain practical principles of successful poultry breeding for egg production will have been determined. From the economic point of view, the most important feature of modern poultry-keeping is the profitable production of eggs, and the most pronounced factor in egg production is unquestionably that of prolific laying. Results achieved along this line, therefore, have a more than passing interest and value.

With practically the same number of fowls at the beginning of each year and no change in methods of care and feeding, the best test of improvement, of course, is in the egg yields. That selection of early layers and the introduction of new blood brought about the desired result of increasing egg production may be seen from the following figures of egg yields covering five years. They were as follows:

Year	1907	1908	1909	1910	1911
Number of eggs laid...	3,966	5,135	5,511	5,499	5,573

The average egg production by flocks in the United States is about 75 or 80 eggs a year. The yield of eggs by my flock

in 1907 was somewhat above this number. If we divide the total of egg yield for that year of 3,966 eggs by the total number of fowls, namely 50, it gives an average of nearly 80 eggs per fowl a year. As a matter of fact, however, the number of fowls in the flock is gradually lowered from the beginning of the year to the time the new pullets come into laying. The fowls are sold, used for hatching, and consumed on the table. In all probability, as I have figured it from time to time, the average number may be reckoned at 40 fowls. This is undoubtedly giving the highest limit. On this basis, the gain in average egg production per fowl from year to year is shown by the following comparative records:

Year	1907	1908	1909	1910	1911
Average egg production per fowl	99	128	138	137	139

After the year 1907, there was a striking gain in egg yield. Taking that year as a fair basis for comparison and as representing the average egg production of the normal flock in the United States, the results of selection in breeding and good care stand out clearly in this record. The average annual egg production of the flock for the four years 1908-1911 is 5,429 eggs as compared with 3,966 in 1907.



This gives an average annual increase in egg production of nearly 37 per cent to be credited to breeding and management.

With the question of increased egg yield there is necessarily to be considered that of the profits. The records of expense vary very little from year to year, and during the three years 1909-1911 there was a most striking uniformity in both the egg yields and the income from the flock. For these three years the income above expenditures averaged a little over \$130 a year, or more than \$2.50 net profit annually per hen. This handsome profit was secured on the simplest economic basis or ordinary market prices for both eggs and stock. The record proves beyond question that it pays to select from early layers as a basis for prolific layers when the object is profitable egg production.

#### Breaking the Record in 1912.

The uniformity in egg yields during the years 1909 to 1911, inclusive, shows that this strain of White Plymouth Rock layers had become fairly well established. It seemed to me, after thinking carefully over the situation, that an increase in egg production could next be effected by chang-



ing the make-up of the flock as regards the number of hens and pullets.

As a general rule, pullets are considered better layers than hens. The question running in my mind was this: If a strain of prolific layers has been developed, would not a greater number of pullets and a fewer number of hens give a larger increase of eggs? This was the question I sought to answer in the year 1912, and the results are so gratifying as regards egg production and profits that they may prove extremely valuable to poultry keepers who have not the time to make experiments themselves, but who are eager to profit from the experience of others.

The general make-up of the flock since about 1905 had been a few hens in their third year, all the hens in their second year which survived from the pullets of the preceding year, and from 16 to 24 pullets hatched each year. In this way the average number of about 50 fowls in the flock was maintained.

Prior to 1912 there had been no material change in the make-up of the flock. In order to see the effect on egg production as a result of increasing the number of pullets and decreasing the number of hens, I will summarize the make-up of the flock for the years 1911 and 1912 and will give a

increase in egg production was 1,741 eggs from the same number of fowls in a year. This was the number of eggs actually brought into the house. But, in addition, the losses for the year by breakage amounted to 29, so that the total number of eggs laid during the year was 7,343. If we take this number of eggs and divide by 54, which was the number of fowls in the flock at the beginning of the year, we get an average egg production per fowl of 136 eggs. This is a higher average than that made by the Maine Experiment Station, which was about 125 eggs per fowl.

But during the year 1912 the record shows that 8 pullets were used for hatching purposes from February to April, one pullet and two hens died during the year, and 21 hens and pullets were sold for hatching or for table use. This must have occasioned a considerable loss in egg production. By November 1st the original flock of 54 had been reduced to 30 fowls. Assuming an average of 40 fowls for the year as we have previously done, the average production per fowl for the flock was 183 eggs. It is doubtful whether this record is often surpassed by flocks of high egg production in this country.

It is one of the most gratifying features of this record in egg yield that it was secured without any noticeable increase in expenditures. For the year 1911 the income was \$215.93 and expenditures \$100.68, while in 1912 the income was \$266.37 and expenditures \$108.92. The profits of the two years were, therefore, \$115.25 and \$157.45. The greatest increase in profits arose from the sale of eggs at retail, the difference being \$51.20. For this increase in profit making, the pullets are to be largely accredited. A comparative record of their laying from November, 1911, to October, 1912, shows that the 20 hens laid 1,837 eggs and the 34 pullets 5,111 eggs. When these data are brought to the same ratio, they show that the gain in egg production on the part of the pullets was 2,166 eggs. The value of pullets for egg production, therefore, seems to be fairly well established from this experiment.

#### Care and Management.

As I have already said, the care and management which poultry receive have something to do with the number of eggs laid. While this topic in itself is worthy of separate treatment because of its importance in the profitable production of eggs, I think in conclusion a few words on this theme will serve to round out the purpose of this paper. The importance of this subject was recently emphasized to me from experience. A neighbor bought eggs of me in January, 1912, and hatched in an incubator; I did not hatch chicks at all until toward the last of March. My neighbor did not get eggs from his pullets until December, whereas I began to get eggs from my pullets in October. Here, then, from exactly the same stock and in the same district a difference of from 3½ to 4 months' time existed in the first laying of eggs by the pullets. On inquiry I learned that the chickens raised by my neighbor had not received either the care in housing or the feeding and management which my chicks and young pullets had received. It is convincing to me, therefore, that the effects of breeding may easily be counteracted by poor care and management.

There are certain kinds of feeds which fowls require at all seasons of the year in order to provide for physiological waste and egg production. Chemical analysis has shown that a few standard feeds in combination provide fowls with all necessary ingredients. So far as grain feeds are concerned I practically limit my supply to corn, wheat, and oats. In the morning the fowls receive a wet mash of 3 parts bran and 1 part each of middlings, corn meal, and mixed grains by measure; at noon a mixture of the 3 grains but with wheat largely predominating; and at night the same grain mixture but with corn in proportion of 2 to 1 in summer and 3 to 1 in winter.

Meat meal, oyster shell and grit, and plenty of fresh water are kept before the fowls constantly. Every pen is provided with a dry dust bath, a light and dry scratching pen with litter, and is protected from draughts and dampness.

Green feed is provided by means of limited grass runs, by weeds from the garden, and household wastes. In winter a little alfalfa meal is occasionally added to the mash, and apple parings, cabbage leaves, or turnip tops are given in small quantities. In this way the fowls receive practically all they need for the proper performance of their physiological functions.

While these rules are simple, I regard them as important in feeding and management for egg production. They are too often neglected by many poultry keepers, but I am more and more becoming convinced that they play a very important part and can not be too often or too strongly emphasized.



comparative record of egg yield month by month for the two years.

During 1911 the flock consisted of 32 hens and 22 pullets; but in 1912 there were 20 hens and 34 pullets—a total on January 1st of each year of 54 fowls. The detailed egg production by the two flocks was as follows:

	1911.	1912.
January .....	384	486
February .....	567	717
March .....	907	926
April .....	751	893
May .....	619	892
June .....	521	759
July .....	502	653
August .....	411	571
September .....	376	388
October .....	178	306
November .....	132	273
December .....	225	450

Total ..... 5,573 7,314

This was a very gratifying result in egg production. As a result of having more pullets than hens in the flock, the



# Cancer in Fowls and its Prevention

Old Fowls More Commonly Affected Than Young—Co-operation of Breeders Decided in the Study of the Disease.

By Harvey R. Garlord, M. D.



**C**ANCER IN CHICKENS is not nearly so unusual an occurrence as breeders might suppose. During the past fifteen years there has been great activity in the investigation of cancer. All of the principal countries today have special institutes dedicated to this work. The first institution of this kind to be established in the United States was what is now called the State Institute for the Study of Malignant Disease, at Buffalo, N. Y. Among the most important developments in cancer research has been the discovery of the prevalence of cancer among domesticated animals, fowls and even fish. The State

Institute for the Study of Malignant Disease, which was originally started as a cancer laboratory, is now provided with a farm in the neighborhood of Buffalo, where cancer in animals and fowls can be studied under favorable conditions, and where breeding experiments on a large scale can be worked out. Wild animals seldom have cancer, but when they are brought into captivity they have been known to develop it, as for instance, in the London Zoological Garden, where, in a pen of kangaroos two or three of

erate with any of the breeders in the United States who find among their flocks fowls with growths upon them which may prove to be cancer. If possible, the Institute particularly desires to obtain living birds, but as, where one case of cancer in fowls, especially in fancy fowls appears, it is likely that other birds will develop the disease, any breeder who finds suspicious tumor-like growths, especially those corresponding to the illustrations given, even if the fowls are dead, may preserve the tumor or portions of it, in



No. 1—Broken down cancer at base of beak. Hen. (See "Cancer in Fowls and Its Prevention.")

the animals developed cancer about the same time. This shows how important is the question of domestication, in the appearance of cancer in animals.

## Inbreeding a Factor.

That breeding, especially inbreeding, is an important matter, is illustrated by the fact that there is a special cancer in dogs which has played havoc in England and is also quite prevalent in this country among bulldogs; these animals have been, as every one knows, constantly inbred. This is also the case with chickens, where a certain type of cancer has been found in a fancy strain of Plymouth Rocks. This tumor can be inoculated for experimental purposes into fowls of this strain, but for a long time could not be transmitted to common fowls. However, in the course of experimentation the cancer became so active that today it is easily grafted into various breeds of chickens.

Cancer in chickens is undoubtedly more or less prevalent all over the world. In Germany, where the matter has also attracted considerable interest, the Cancer Institute at Heidelberg has succeeded in collecting a very considerable number of examples of cancer, and the illustrations in this article were obtained from this Institute. The State Institute for the Study of Malignant Disease is anxious to coop-



No. 2—Malignant skin cancer in a pigeon. (See "Cancer in Fowls and Its Prevention.")

10% formalin solution or 40% alcohol, and send it to the Institute and a report will be given the breeder as to the nature of the growth. The State Institute will be glad to pay all costs in connection with the shipping of live birds to the Institute in Buffalo, as well as the commercial value of the bird. Any breeder who has a suspicious looking bird would best write to the Institute and describe its condition,



and if the indications are that it is cancer, the necessary shipping instructions will be sent.

The principal losses in poultry raising are caused to a great extent by epidemics of infectious diseases or by faulty feeding or improper housing of the fowls. The hygiene of poultry raising, however, has become so well established that careful breeders are able to control epidemics and the feeding of poultry is now on such a correct basis that these losses are greatly diminished. Poultry pestilences can be



No. 3.—Calcified misplaced and diseased egg, producing a lump simulating but not a real tumor. (See "Cancer in Fowls and Its Prevention.")

prevented successfully by the isolation of the first fowls that become affected, and strict disinfection.

#### How Cancer May Be Recognized.

Cancer in fowls is at most only an occasional occurrence. The disease always progresses slowly. It first makes its appearance as a slowly growing lump and this lump always consists of solid flesh and should be distinguished from abscesses, which are filled with matter (pus). It affects more often old fowls than young and is not accompanied by any other signs of sickness than the lump mentioned. The breeder may first notice a bird which appears to be unduly fat or logy; on account of its bad appearance the bird may have been separated from the flock. In commercial poultry raising such birds have frequently been sold to the market without the breeder having realized that the bird was diseased. It should be easy for the experienced breeder, especially of fancy fowls, who watches his birds closely, to recognize tumor-like thickenings when these appear on the body surfaces, the bill or the anus. When these

growths appear about the bill they usually interfere with feeding, in this way leading to loss of weight and of course finally directly or indirectly to death. The tumors appearing on the skin of the feathered body are not so easily recognized, although, if as advanced as in Fig. 2, this would not be the case. When the tumor growth appears internally as in the crop or intestinal canal, or the laying tube, or ovary or other inner organs, the breeder would first become suspicious when the disease was advanced. In such cases the hen would cease laying and lose flesh and activity. These symptoms should attract the attention of the breeder. Sometimes an internal tumor will be first suspected by the increase in the girth of the bird and cases have been seen where the development of the abdomen has been so great that it dragged on the ground. Occasionally, of course, masses of fatty tissue are found on the abdomen. This is not cancer. Where birds are killed the evidence of an internal tumor will be found by the emptying of a large amount of clear amber or yellow fluid from the body cavity. Tumors not infrequently occur on the lower limbs. These should be distinguished from growths which are caused by mites, which are known as "scaly legs" or "lime legs."

The study of cancer in chickens has already thrown a great



No. 4.—Malignant cancer (sarcoma) growing from the muscles of the upper part of the leg in a hen. (See "Cancer in Fowls and Its Prevention.")

deal of light upon the entire subject of cancer and further investigation of cancer in fowls, which are particularly well suited for certain kinds of experiments, is sure to prove of benefit to the study of this disease in human beings. For this reason breeders of chickens may assist the work which is being done by careful search for chickens with tumors, and by communicating at once with the State Institute for the Study of Malignant Disease, Buffalo, N. Y.



# Boston's Great Beauty Poultry Show

The Seventeenth Annual Exhibition Held January 7 to 11th, 1913, Was Greater and Handsomer Than Ever Before.

By H. P. Schwab



R. W. B. ATHERTON is the man at the wheel, and under his care Boston has for years put on shows that have been of the greatest value to the poultry interests of the world. Mr. Atherton has always been a true champion of standard bred poultry, his life's work is devoted to better poultry, still his greatest work and his greatest success is the Great Boston Show, which he first made possible and then placed it in the front rank of true fancier's interests. We are proud of him and will always consider the Boston Show success as the personal success of Mr. Atherton.

It is a true fancier's show when hundreds of breeders meet on an equal, pass pleasantries and view the ponderous and beautiful display always found in the Giant Mechanics Building, which cover between five and six acres. To those interested in poultry this means almost an unlimited display of the world's best birds brought here to compete for royal honors and for the view and enjoyment of the attending thousands. No show or exhibit is more complete, every variety is seen to advantage here, for this section is very near to the original home of several of America's popular and favored varieties, as well as the home of the original impostors of others. Great and strong classes are the rule, all displayed in single coops and but one tier high.

The walks are wide, the light extra good. The display coops run through the center and around the sides, all decorated with evergreens. To large duck-ponds are seen here with rare collections of water fowls, while displays of pheasants and ornamental birds are all around in the grove-like transformation. The visitor can well imagine himself with nature in the wild-wood, amid the song of birds and seeing before him God's most beautiful creations in the feathered family. I hope that all visitors seen and enjoyed these sights as I did.

The size and completeness of this exhibit was a revelation, as there were fully 7,000 birds and entries in displays. There were 2,359 single entries, 190 pens of 950 birds; turkeys, duck and geese, 140; bantam, 165; 30 displays of 300 birds; dressed poultry and eggs, 150 entries; pet-stock, 132; pigeons, 2,126; college displays, 50 entries, 300 subjects; displays of pigeons, water fowl and collections of rare birds, about 500; besides these there were displays of poultry houses and feeds of several makes, shipping coops and supplies, brooders, incubators, etc.; also a very large display of cats was shown for a few days. The particular fancy, be what it may, was supplied here. The Poultry Journals were all represented, The A. P. J., the leading journal worth five dollars but only cost one, was the center of attraction. Our editor, Dr. Prince T. Woods, was in daily attendance, meeting friends and answering questions. The Doctor is six feet four of chicken Encyclopedia.

The display of dressed poultry was a drawing feature. This is rather new at our Eastern shows—a capitol idea we hope to see followed up. The egg display was another feature strong in value, for it bears well on the practical side. The eggs shown by Mr. Jacobus from his Campines was as valuable a lot as we have seen, in size, pure color, and in even form, it was a beauty. Mr. Jacobus is an earnest worker, with proper and staple ideas, and if he has his way the Campines will remain true layers and a substantial practical fowl. We believe this was his third great record of winning on display of eggs at this show.

The College display of poultry, eggs, charts, etc., was very interesting, and well showing what our coming generation is now learning in the poultry line. Some seem to think that too much practical, and not enough fancy ideas are taught the students. I don't think so; my idea is that we want men and women that will know how to make dollars from poultry keeping; teach them that and they will soon find out that the standard bird and highest quality specimen is their best hope.

Veterans' Day was again observed with the usual banquet. With Secretary Atherton in the lead they marched through the building, viewing the pretty birds and received with gladness by the exhibitors. They grow old in years and annually some are missed, but in spirit and love of fancy they are still young. We of today owe much to

these veterans, they handed down to us many possibilities, and we can best repay them by honest efforts and placing the industry on the highest possible plane.

Here several phenomenal records were made by some of the exhibitors. Mr. John S. Martin, in White Wyandottes, won four of a possible five first prizes, a feat unapproached at this show and in its greatest class. Mr. Arthur G. Duston, the well known White Wyandotte specialist, did the judging and well deserves special comment. His work was beautiful and just to all; one of the leading competitors told me it was the best work he had ever seen—and mind you this man lost. This is the "Right Spirit" that should prevail. We honor this man for his stand and we respect Mr. Duston for his magnificent work. The pen of White Rocks shown by W. R. Graves was the sensation of the



No. 5—Hornified cancer of the lower part of the leg in a hen. (See "Cancer in Fowls and Its Prevention.")

show, the cockerel a wonder and the females just alike and as near perfection as can well be expected. In condition they were simply perfection. The producing and showing of such a pen is the work of masters. Haldie Nicholson's winning Barred Rock Cock and other notable birds' win have due consideration later on in this.

Boston's annual banquet was Tuesday's feature, with Mr. W. B. Atherton as toast-master. Billie is right there with the goods and a "Prince." Nothing escapes him, for if he misses you one year he will come back for a double dose at the next. This year he muzzled Hamburg Bill and sat him on his left to be sure he would not break loose. Capt. C. H. Welles was also at the squeeze table and delivered one of his famous talks that had the "Fluffy-Ruffle" Barring beat a mile. Other notable speakers were Colonel Drevensdt, L. D. Howell, John S. Martin, Prof. Graham, D. Richard Oke, Wid Card, Frank Platt and many others. All



subjects from chicken to cake were well treated and toast-master Atherton spread the butter himself. It was a glorious affair and one ever to be remembered.

The order of the "Flea" held their banquet at the Copley Square Hotel on Wednesday eve., with about 35 members present. Grand Fleeze Louis P. Graham presiding. This was another affair of record that we can years hence look back to with credit. The speakers were Lester Tompkins, Mr. Benton, Mr. Allen, Baron Von Gink, Mr. McKay and others. We will very shortly tell all about this organization, which has a most worthy object in view and we will have 10,000 members by next Boston Show.

The weather was not the most desirable to have, still the attendance nearly doubled that of any former year. Tuesday, although it rained, there were 600 more paid admissions than on that same day last year. Sales were reported in all varieties, and many of them at record prices. From every view-point it was a great show, and a successful one; the fancy is the gainer and better for it. We owe much to the Boston Association, we all owe them our best efforts for the future, to do our share, big or small, to insure more exhibits like it with credit enough for all.

#### The Exhibitors and Their Birds.

Barred Rocks were the largest class seen here in several



years, in males, both cocks and cockerels, there was the best of competition and grand strong classes, but in females it was lacking in quality and in condition. With 195 birds in the class Judge Charles H. Welles had his work right before him, and with the dark and raining days his handicap was great indeed.

Mr. Haldie Nicholson, who has been a regular winner here for years with his male line, and this year also, won First Prize cock at the M. S. Garden, New York show, repeated, and has added more fame to his line and to his home town, Leominster, Mass. Here he again won 1st and 3rd Cock with a brother of his New York winner, also shape special and Champion Male special. In cockerels he won 3rd and 6th, they being young birds and not fully finished, but give every promise for the future. He also won First Prize Cockerel mating pen. Mr. Nicholson also breeds the Blue Orpingtons, Wyandottes and Leghorns and was a prominent winner with all here. At New York he won four of the five first prizes in Blue Orpingtons.

The Pittsfield Poultry Farm Co., Pittsfield, Maine, made a strong showing in all the Barred Rock classes, winning

6th cock, 6th hen, 2nd and 5th cockerels, 3rd pullet, and 2nd pen with several specials. Their birds were hardly at their best here, the old not finished and the young rather immature. Their 2nd cockerel at his best promises well, he has wonderful color and a fine head. Their 2nd pen was very close up with a very good male. This line has done well and we feel assured that Mr. Briggs will bring them right to the front.

Mr. C. H. Shaylor, Lee, Mass., won 2nd cock, 3rd and 4th hens, and 1st and 4th pens with display and specials. This is one of our oldest lines and in the hands of a man that has made a success.

Mr. W. W. Carpenter, East Providence, R. I., won first cockerel on a bright and rich colored bird of good form and a nice head.

#### White Plymouth Rocks.

The White Plymouth Rocks, with 227 birds in line, was one of the banner classes of the show. Birds strong in shape and in the best of condition were the rule, and it was a delightful class all through. In this great class also was found the feature of the show in the First Prize Pen owned by the Rockandotte Farm, Southboro, Mass., with Mr. W. R. Graves the proprietor. This pen was the delight of all who saw it and for wonderful quality and the best possible condition was as fine a collection as we have hoped to see. Mr. Graves also won on his other entries as follows: First and third Cocks, and first, second and third Pullets. Mr. Graves has for the past several years made records with his White Rocks and White Wyandottes that are of the greatest possible credit to him, and he has also supplied many winners at our best shows. He has made his mark as a breeder and is just the kind of a man that we are always pleased to recommend.

Mr. C. W. Pratt won First cockerel on a very pretty bird well finished and finely shown.

Mr. D. W. Green also had a choice lot of birds full of quality and in the best of condition. It was a corking class all through.

Buff Plymouth Rocks as a class were rather disappointing in numbers with but 53 birds displayed; last year this was the banner class of the show, with over 300 birds in line. There were many fine birds there this time and some new exhibitors.

#### Partridge Plymouth Rocks.

Partridge Plymouth Rocks were a fine class of nearly 100 birds, well shown with several exceptional birds in line. Mr. Paul Klingbell, Walpole, Mass., made a regular killing, winning well in all classes and including display special with Cocks 1st and 5th; Hens, 1st, 3rd, 4th and 5th. Cockerel 4th and Pullet 3rd. His winning cock a bird of great character and the best of form and markings.

First cockerel and First pen was won by Mr. J. V. R. Bright, of Waltham, Mass. In that cockerel he had a beauty with every quality and beside his fine shape and beauty head his color and markings are of the richest and most desirable.

Columbian Plymouth Rocks, while not of the largest in numbers, were of unusual strength and quality. Grand birds were there and it took the very best to win. Here again Mr. Frank G. Bean, Collegeville, Pa., made his usual record and won all but one of the first prizes and several others with all specials. This line has been a winner from the first and is one of great worth.

First Pullet went to Mr. Geo. H. Dexter, Everett, Mass., on a very fine bird in both color and markings.

#### White Wyandottes.

With 213 White Wyandottes from many of the leading yards of five States and Canada in line, making it one of the richest classes in true quality we have ever seen. It was a full hand class from first to last and one of the kind that can only be seen here or at the M. S. Garden show. In this great class of sublime beauty it remained for that very sterling breeder, Mr. John S. Martin, Port Dover, Ont., to make the high record of this show by winning four of a possible five firsts and all specials. His total winnings are Cock 1st and 6th, Hens 1st, 4th and 5th, Cockerels 1st, 3rd and 4th, Pullets 1st, 3rd and 4th, Pens 2d, 3rd and 4th. Mr. Martin had the goods right with him and no mistake and we were particularly pleased to see his strongest competitors congratulate him and heartily approve of his every award as well won. Mr. Martin has made records before and for all the years he has been breeding White Wyandottes he has been a consistent winner, but never before has such a record been made, and we really did not think it possible for any breeder to approach it. Mr. Martin deserves all credit and we hope he will accept our congratulations. We have called him Friend for many years; have seen his rise



to fame, and with well wishes can well say he royally deserves all he has won.

Mr. J. W. Andrews, Dighton, Mass., ran a close second; he has been a leading winner here for years and his line is most favorably known to all Wyandotte breeders. Neither he nor I have any excuses to offer. He is a dandy good fellow and the best and gamest exhibitor we have ever seen in the show room. His line is worthy and his birds better than ever before. His winnings were Cocks 2nd, 4th and 5th, Hens 2nd and 3rd, Cockerel 2nd, Pens 1st and 5th. A very classy win in this great beauty class of birds.

#### Silver Laced Wyandottes.

A rich class of 55 birds with type the feature, good open lacing and clean edges. First cock was won by Geo. W. Weed, with a fine bird in head and shape.

#### Golden Laced Wyandottes.

This being the club show brought out some of the best, if not as many as was hoped for, the quality was of the best and in this respect was as good as we have ever seen or handled. Mr. Loren H. Brown, Lunenburg, Mass., won well in all classes as follows: Cocks 1st, 2nd and 4th, Hens 1st, 4th 5th and 6th, Cockerels 1st, 4th, 5th and 6th, Pullets 1st and 5th, Pen 2nd.

Mr. Stanley Holden, Wayne, Me., won Hen 2nd and Pen 1st. Other winners were: O. P. Chase, D. H. Armstrong, and A. A. Gordon.

Buff Wyandottes were a fair sized class of good birds.

S. P. Wyandottes were one of the best classes we have seen to date, the leading winners were Horace Havemeyer, A. L. Hathaway, Rogers & Packard, The Castle Farm, Charles River, Mass., etc.

Columbian Wyandottes numbered 120 birds shown by many well known breeders, including Jas. E. Perkins, Chas. McGee, D. V. G. Curtis, Ralph Woodward, E. F. Benson, Geo. F. Eastman, S. Bartlett, M. A. Brayton, etc. The best of competition was had here and the birds as a rule were very well shown, with the honors well divided among the above.

#### Single Comb Rhode Island Reds.

Both Boston and the breeders that made this class of 170 birds possible have every reason to feel proud of their work. It was a hummer all the way through, filled with the best in rich color and in form with the general quality of the best. In this beauty class Mr. Lester Tompkins, Concord, Mass., made a fine record as they go now-a-days, by winning Cocks 1st and 3rd, Hens 3rd and 6th, Cockerel 5th, Pullets 1st, 3rd, 4th and 6th, and 4th Pen. In Rose Combs Mr. Tompkins won Cock 5th, Hen 3rd, Pullet 2d and Pen 3rd. We have no report on the specials, but this is as fine a win as has been made in some time, and extra good when we consider the competition. Mr. Tompkins has had a most successful season and his birds seen here, at New York and several other shows have been a delight, they show the best of color and they are a line that is very strong in type.

Old Acres Farms, Foxboro, Mass., have made a unique record, one that is unequalled in the annals of this variety. Here they entered just one cockerel, and with it won First Prize, and with but one pen entered won Second, in a class of 13 pens. The winning cockerel was a revelation in beautiful rich color of just the right shade, a bird with a grand head and the best of type. He is a remarkable fellow, being extra good all over and carries himself like the leader he is. Their pen was handsomely mated, one of the very best.

This Farm has within the past few years come strong to the front and at the late M. S. Garden, New York, show, led the way by winning First cockerel and First and Second breeding Pens. We also know of several shows where this line has been placed winners, and at one great show in particular know of a bird they sold that cleaned up all and won the sweepstake special. This quality of stock, and this kind of breeders are the best hope of the industry.

White Birch Poultry Farm, Bridgewater, Mass., another well known line that has been bred with much success, won Cock 6th, Cockerel 2nd and 6th. In Rose Combs, Hen 2nd. The second cockerel was well shown and a very strong bird in both color and form.

#### Rose Comb Rhode Island Reds.

Mr. Geo. W. Little, Braintree, Mass., was a greatly pleased exhibitor in this class, for on just two males shown he was awarded First Prize cockerel and 4th cock. We stood long to admire this cockerel, with his beautiful well finished form and magnificent head; he was shown just right and is in every way a wonderful bird full of character and with remarkable under-color. Such stock is bound to tell.

Other winners in this class were: S. E. Thayer, A. S.

Morehouse, A. E. Alden, W. H. Graves, Dr. N. Wallis, Valley Farm, etc.

In both Rose and S. Combs Mr. Everett M. Hawkins, Lancaster, Mass., won well with a very good line of birds.

#### S. C. Buff Orpingtons.

The S. C. Buff Orpingtons numbered 172 red hot birds, making a class of superior merit and the very best of competition. The Joe-Pye Orpington Farm, So. Norwalk, Conn., here again made a good win with most of their famous New York winners missing. Here they won Cocks 1st and 2nd, Hen 3rd, and Pen 3rd. This line has been right to the front for three years past and their quality is well known.

Major Hugh A. Rose, Fonthill, Ont., the man who saved the Hamilton at Hagerstown, came here fresh from his victories at Baltimore and New York and for his winnings received a large sized check with special good will from all. Winning at this show in Orpingtons means something, and the Major carried off the following: In Buffs Hen 1st, Cockerel 5th, and Pen 6th; in S. C. Blacks, which really are his specialty, Cocks 1st and 2nd, Hens 1st and 2nd, Cockerels 1st, 5th and 6th, Pullets 1st, 2nd and 3rd, Pen 1st; in the White Orpingtons, Hen 3rd, Cockerel 2nd and 3rd, Pen 6th. This is an exceptionally fine win for any breeder to make and follows up well and strong; in fact improves all his former records. This line has wonderful size and that with



**BLACK ORPINGTON**  
BRED AND OWNED BY  
J. P. ADAIR, MILLERSBURG, KY.

grand shape and the best of sound color are its features.

One of the grandest breeders in the business is Mr. Henry B. Prescott, Andover, Mass. He did not win as usual this year and most likely his change of home and moving his plant helped in this. Birds to win at Boston must not only be the very best in quality, but they must also be shown in condition, and at their best. Mr. Prescott's birds are as good as ever before and in his new quarters with improved climate and conditions he will again be heard from in the future. There is no man we would sooner trust or tie to than this man Prescott.

The list of winners in the Orpingtons beside the above included many well known breeders, with C. H. MacNear, M. Marwell, H. E. Challis, A. L. Hughes, Mrs. E. S. Everett, Mrs. M. T. Taylor, Lexmoult O. Yards, H. L. Davis, Englewood Co., Wheatland O. Yards, L. J. Tedlow, Joe McBride, W. T. Murphy, etc.

#### Blue Orpingtons.

This was a beauty class with many fine birds seen, this variety is surely doing well and is bound to become popular with their great beauty along with their practical qualities. Mr. W. H. Depper, So. Lincoln, Mass., was a great winner here by taking down Cocks 1st, 2nd and 3rd; Hens 1st and 2nd; cockerels 1st and 2nd; Pullets 1st, 2nd and 4th, and Pen 1st. We hope later in the year to visit these yards and those of Mr. Haldie Nicholson, who was one of the first im-

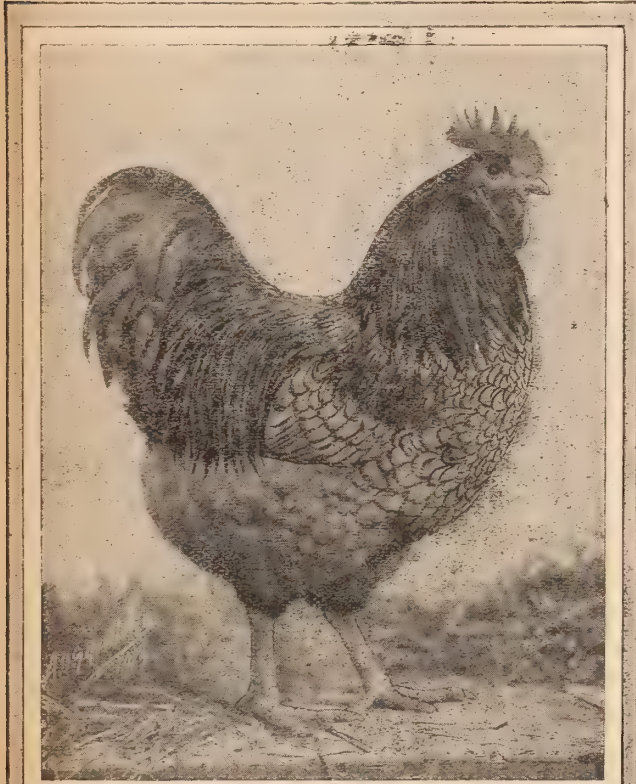


porters, and made a sweeping win at New York, and then to tell our readers of these two leading lines.

#### S. C. White Leghorns.

This, as usual, was one of the real hot quality classes of this great show, and here again a noted line and farm made a phenomenal clean up, winning about all that one could care for. The Dune Alpin Poultry Farm, East Hampton, N. Y., with Manager Geo. Kerr in charge, won here Cocks 1st and 2nd, Hens 1st, 3rd and 6th, Cockerels 1st, 2nd 3rd and 4th, Pullets 1st, 3rd and 6th, and Pen 3rd, with all specials. This line has won here before, also at the Palace New York show and at many others the country over; it is a leader. The four winning cockerels taking all the honors in a row were well worth seeing; in type and in general make-up they were all alike and in simply wonderful condition with the best of heads. Their two winning cocks were in a class all by themselves, of extra size, with low full tails and wonderfully fine and long saddle feathers. It was a great exhibit in a great class and reflects the highest praise on the owner and manager.

In S. C. Buff Leghorns Mr. A. B. Cox, Rochester, N. Y.,



FIRST PRIZE BLUE ORPINGTON COCKEREL AT  
MADISON SQUARE GARDEN N. Y. 1912-13.  
BRED AND OWNED BY  
HALDIE NICHOLSON LE MINSTER MASS.

carried off the honors by winning Cocks 1st and 2nd, Hens 2nd and 3rd, Cockerels 1st, 3rd and 4th, Pullet 2nd, and Pen 1st.

#### Other Varieties.

In Anconas the Urban Farms, Pine Ridge, Buffalo, N. Y., were among the prominent winners; this well known line has been liberally shown and has won great honors for some years. Here they won Cock 2nd, Hen 2nd, Pullet 1st, and Pen 1st, with specials. In Black Langshans, Cock 1st, Hen 5th, Cockerel 5th, Pullet 1st and 3rd, and Pen 1st. Mr. Urban arrived a day late for the banquet and he was sadly missed, for he always has just a little of the spice to hand out that flavors all things and makes us fully believe that life is worth living after all. Mr. Urban had his part in the veterans' parade and in years was the youngest there, but he is eligible in any class, single or double. He is a great lover of the White Plymouth Rocks and has been a leading winner for three or more years at the Buffalo International show.

Campines as has been the rule this season were a large class and a strong one with several well known breeders in

line. In Silvers the Manhattan Farm, Brighton, N. Y., with Mr. Geo. E. Noeth, Prop., won as follows: Cock 1st and 3rd, Hens 1st and 4th, Cockerels 1st, 4th and 5th, Pullets 1st, 2nd and 3rd, and Pen 1st. In Golden Campines they won Cock 1st, Hen 2nd and 3rd, Cockerels 1st, 3rd and 4th, Pullets 1st, 2nd and 3rd. They have been winning all along the line from Allentown to this show and have made a record that will be very hard for any line to duplicate at any time or season.

Mr. M. R. Jacobus, Ridgefield, N. J., the Campine "Champion," was also exhibiting here and won well in all the classes. Mr. Jacobus was particularly interested in the display of eggs and his winnings there this year as in seasons past, were pronounced and of the greatest possible credit to him and to his line of birds. He believes in Campines for eggs, for large white shelled eggs, and he has demonstrated here three years running that his birds lay the eggs that win in size, form, color and quantity. Besides winning in the regular classes he has won the special for best ten dozen white eggs three years in succession, a feat of which he feels doubly proud and one that reflects the best possible credit on his line of birds. In Campines he won: Silvers, Cocks 2nd, 4th and 5th, Hens 2nd, 3rd, 5th and 6th, Cockerels, 6th, Pullets 4th, 5th and 6th, Pen 2nd; Goldens, Cock 2nd, Hens 1st, 4th, 5th and 6th, Pullets 2nd, 5th and 6th, and Pullets 4th, 5th and 6th.

#### A. C. Hawkins' Display Pen.

Down the center aisle were several display pens shown with effect, and among them was a pen of Barred Rocks shown by Mr. A. C. Hawkins, Lancaster, Mass., that was just about all that could be asked for in Cockerel mating. The cockerel shown was a wonder in type, with very even and clear barring and the best of color. Head near to perfection and flaming red eyes. There was that something to this cockerel that was bound to attract special attention from every one and around his cage were seen the prominent breeders of all other varieties looking with interest at this beauty male. I can well imagine their thoughts and that their desires were to own birds like them. We can all admire and desire, but it takes the master to breed such birds and to mate them as this pen was mated. Mr. Hawkins is one of our oldest breeders and this variety has been his specialty for 30 years, and in this he has produced many of the famous winners at our best shows.

#### Grove Hill P. Y. Display Pen.

Near by was a Pullet mating pen shown by the Grove Hill P. Y. that also received general attention. It was a very beautiful pen all through, every bird a star, but one pullet in particular as a diamond among pearls. We were pleased to handle this pullet at the request of Mr. Bright, and are free to say that in condition and general quality she is as sweet a bird as we have seen. Her finish was perfection and in evenness of color and wonderful barring surface and under she is a most magnificent specimen. In her we can see the special value of under-barring, and that is her very best section. No specimen, male or female, with inferior under-barring could possibly have such wonderfully rich and deep and sound surface barring. That most desirable clean cut barring, with the strength and clearness of color and contrast is the result of the best and clearest under-barring. Remember this, and let us at all times give under-barring credit for its value.

#### The Winners as Seen.

Barred Rocks—Cocks. First a noble bird of great form, size and evenness of best quality, fine head and rich eyes. Second, nicely barred and of good form. Third, a great bird and a great breeder, he looks it.

Hens—First, a very neat hen but a little dark, barring hardly as straight as on another, shape good; we did not see her handled. The other hens very good, but as a whole not as good as we expected.

Cockerels—First, a very bright and clean bird, well shown and of good type. Second, not at his best and a mite low, but a wonder in color and barring. Third, a very snappy bird, well finished and a beauty head, narrow barred and very fine under. Fourth and fifth, real good ones close up. Sixth, a young fellow, the makings of a dandy, his color and barring very even, of right shade and extra under.

Pullets—Like the hens it was not the class we expected at Boston, with well known breeders exhibiting. There were too many with small size, green legs, indifferent eyes and pinched in appearance. The best of the birds were not shown right and it was a hard class to handle.

Pens—A very good lot. First and second pens very close, both well mated. First Cockerel mating pen a beauty. Male strong and clean and the female very narrow and with grand wings.



**White Rocks**—A beauty class all through and one of the best seen.

**Cocks**—First, a royal dandy in shape and the best of condition; nice long back and great finish; stands well. Second, a grand one, also well shown. Third, a strong bird and one of the best in any class. Fourth, looked like an extra good one to us. Fifth and sixth up close.

**Hens**—First, a beauty hen and in a class all her own, just right in every way, a grand winner. Second and third very neat birds. Fourth, also one you are bound to notice.

**Cockerels**—This looked like a very strong class to us and the first attracted unusual attention. Second, a beautiful specimen and grandly shown. Other winners very good.

**Pullets**—The three leading winners just alike as if they all came from one egg; they did all come from one farm, and believe me it is some farm for White Rocks. They were a great trio, well shown. Other winners and Numbers 416, 419, 424 and 431 up close.

**Pens**—First, a wonderful pen in quality and mating. The male would be an easy winner in any class and at any show, the females matched to absolute perfection. The sensational exhibit of the entire show. The other five winning pens were also very rich in quality and winners in a large and strong class full of birds of merit.

**Buff Rocks**—Rather a disappointing class after the hummer of last year. The winning birds were very good and several without ribbons also looked of rare quality from the outside.

**Partridge Rocks**—A large class full of quality with several exceptional birds seen.

**Cocks**—First a grand winner of the best of color. Second very good. Other winners up to expectations.

**Hens**—First to fifth very even all round, the winner one of great beauty and value, well shown.

**Cockerels**—First a most desirable bird and at his very best here. His color and markings of the best and of beauty form with fine head. Second a royal good one, but not near the first. Third close up and a bird of great merit. Fourth one of promise.

**Pullets**—First and all winners very neat, finely marked and of the proper sound color, a nice class.

**Pens**—The six pens were a very even lot and made an attractive display. First of grand quality and well mated.

**Columbian Rocks**—A quality class with extra fine markings and sound colored wings a feature.

**Cocks**—First a great winner and a bird of form and color with rich markings. Second and third both real hot ones.

**Hens**—First a winner hard to beat in any show. She has made her mark. Second a very desirable hen with grand markings. Others up close.

**Cockerels**—First a real prize of a bird. He could win at any gait, with good form and strong wings and nice head. Second up close and the third also very desirable. Fourth one of promise.

**Pullets**—First a beauty and shown at her best. Second and third grand good specimens. Fourth very clean.

**Pens**—All three pens were finely mated and contained quality birds.

#### Wyandottes.

**Whites**—One of the best classes ever brought together, full of quality and birds shown at their best. The condition was good to see.

**Cocks**—First a typical bird, full of curves, good size and stands well, with nice head, neck and back, tail full and well carried. A proud and beautiful winner. Second another of wonderful form with a great outline, a hummer in every way. Third also a rich one with sound color. Fourth and fifth nearly alike and very handsome specimens, no doubt great breeders.

**Hens**—First a darling of the gods, or of Canada. A model in form and in condition with the best of pure sound color. Second and third up very close, too close for comfort, for such competition scares like —. Nice heads on all. Fourth and other winners very rich.

**Cockerels**—First to fourth as strong a quartet as we could wish for. The winner a beauty, finished to the minute and with as fine a head as is possible to think of, full and deep, with breadth and a magnificent tail. Second also one of the best birds seen. He is right there in every desirable quality. Third and fourth resembled one another very much, and both choice birds. Fifth, sixth and several others up very close.

**Pullets**—All winners and easy fifteen others were in a select class of merit. The winners in particular. First as bright as a new U. S. gold eagle, but with more form than we generally see on that noble bird. Second very sweet and third pleased us very much. Who wouldn't be pleased to own that kind? Others grand.

**Pens**—There were just thirteen pens in line to fill out this noble class. First a wonder and a feature of the show. The male one of the very best, a clean cut fellow of the highest of type and best of quality with a fine head and very strong eyes. The females a choice selection, all just alike and at their best. A pen the equal of which is very seldom if ever seen. Second another beauty and one of the very best in every way. The male very broad and well put up with strong head points and the females grandly mated and moulded from the same die. Third and fourth very similar and great pens. Fifth another rich one showing wonderful color. These five pens were in a class by themselves.

In this great class of great birds and great breeders who to a man and to every award added their approval it is but just for us at this time to again make mention of the judge, Mr. Arthur G. Duston. He deserves unlimited credit for the beautiful work he did. He has been the White Wyandotte champion for years and years, he knows the breed and has given the best in him as a man and as a breeder for this variety. May he live long and meet with the success he so richly deserves.

**Silver Laced**—This old time popular variety was out in force and included many rich birds. Judge Drevenstedt spent most of his time in this alley, for he is a great lover of the fair Silvers.

**Cocks**—First a very clean silvery bird of nice form and



First S. C. Rhode Island Red hen, Chicago, 1912. Bred and owned by Ira M. Crowther, Willoughby, Ohio.

well carried. Second close up. Third and fourth of good type and markings.

**Hens**—Both first and second hot ones, we thought well placed. Third a clean hen free from edging and good centers.

**Cockerels**—First a dandy nice one, and so was the second, both of good promise. Third will make a very fine bird. Fourth and fifth strong.

**Pullets**—A very nice even lot with the first four winners just a little best. Good heads and good markings the rule.

**Pens**—Three in number and well mated.

**Golden Wyandottes**—This class fell to our lot this year and we were delighted with the quality shown.

**Cocks**—First a choice bird in type and very even in color and in markings. Second and third close up. All well shown.

**Hens**—A great class. First a beauty in color and lacing. Second of nice form but darker, has been a wonder. Third and fourth very neat and other winners rich, good birds here with no more ribbons to give.

**Cockerels**—All the winners exceptionally good and very even and clean in color and rich in markings. A nice lot all through.

**Pullets**—The strongest class in finish and value to our mind. The lacing was wonderful to see, sound and clean, and as a rule splendid shape. I would like to have had a list of the special awards to publish with this, as they were a choice and valuable lot.



Buff Wyandottes—A large class of grand color and very good type. There was plenty of merit in all classes here.

Black Wyandottes—But few were shown.

Blue Wyandottes formed quite a class and attracted much attention by their beauty, which seems to just fit this shape. They are taking well and their breeders have every confidence in them. They are beautiful.

Partridge Wyandottes were a small class, smaller than we like to see of this valuable variety. The birds shown were good.

S. P. Wyandottes were a beauty class of 82 birds. They also are coming strong and promise much for the future if they but land in the right breeders' hands and are advertised.

Columbian Wyandottes—A large and beautiful class of 120 birds and with the class seen at Philadelphia as good as we have seen in quality with birds as a rule very well shown.

Cocks—First a typical and strong bird showing vigor and action, comb nice and markings very fine. Second a corking good one, close up. Third and fourth of good size and markings.

Hens—First surely one of the best bred in form and markings. Second a very fine clean hen in good condition. Third also a hot one and of quality. Other winners very strong.

Cockerels—First a bird of character, shapes well and of fine color. Second another good one from his feet up and head down, nicely shown. Third a bird of extra color and

of the highest grade. First a wonder in form, carriage, color and markings. Wing extra fine and head also. He stands well and is full of character. Second also a beauty and in the best of condition, nice wing and tail. Third up very close in every way, sound color and fine wing and tail. Fourth, fifth and sixth very even and all birds of great merit.

Pullets—First one of the rarest in both color and markings and with the best of shape, nicely carried. Second very sweet and in the best of condition. Third a beauty in every way. Fourth just like the other and at her best. Plenty of more good ones seen.

Pens—A rich lot with thirteen in line. The picking was close in these with plenty of quality in seven pens. The first three winners were very even and too close for comfort.

The Rose Comb Reds—Another large class with many choice birds. The general quality was on an equality with the Single Combs.

Cocks—First a good sized bird of clean and bright color with a nice head. Second well shown. Third a very fine specimen of great color. Fifth a grand, even bird of the best of color.

Hens—First, second and third were in a close class, all very fine birds. Others close up.

Cockerels—First a beauty and a great favorite. A bird of wonderful and even color, the best of form and a very fine head. We thought well of this fellow, for with his color he stood up right and was seen by all to best advantage. Second and third very warm ones and of fine type. Other winners very good and many others that showed class.

Pullets—First and second very close, both of the best. Third also a hot one with extra fine type. Fourth and fifth great birds of every quality. Sixth very fine. Nos. 1146 and 1152C were birds of fine even color and extra form, wings very good.

Pens—The four pens were grandly mated, headed by choice males with select females. They were an even lot, well shown.

#### Dorkings.

The Silver Gray Dorkings were a very fine and a large class. We feel for this variety, for knowing it to be one of the very best for all-around quality and seeing it shamefully neglected by the breeders.

#### S. C. Buff Orpingtons.

A wonderful class of 172 birds with the great majority of excellent quality and well shown.

Cocks—First and second were two of the best we have seen, birds of great shape and very even, sound color, solid clean buff as seen in these birds is marvelous. Third a grand specimen, very fine in all ways. Fourth and fifth grand good birds. Sixth no doubt one of the very best when at his best. Nice in type and rich in color.

Hens—The first three winners were the best and up very close, in form and color very similar, all rich quality hens. Fourth and fifth good in all ways.

Cockerels—Here again the three winners stood out strong in all their quality. It was close picking to place them and I would imagine that not over a quarter point was between them. Fourth also one of rare quality and beauty, will make a great cock. Fifth a well shown bird, with grand head and sound color.

Pullets a great class of 36 birds with all the winners and many others birds of the best grade.

Pens a wonderful lot in quality and mating. The six winners were rather easily the best, but they also were close. Good strong males with great color were seen here and females rich in form and color and well mated.

#### S. C. Black Orpingtons.

A very large and beauty class of these royal favorites and we will also add that such classes of Orpingtons as seen here are a high compliment to the judge. Mr. Oke's ability is acknowledged, and the breeders have faith in him, which is well placed.

Cocks—First a great winner seen at his very best. Wonderful in form and the very choicest in color, fine head and stands strong. Second also a dandy and up very close and sound in color, also at his best. Third another wonder in size, form and color, perfectly sound in every particular.

Hens—Here again the first and second stood out in prime condition with shape and color and were good rich winners. Others placed were of highest merit, a dandy class all through.

Cockerels—First a good leader in every way and a most promising male. Second well shown and good head. Third and fourth and up to sixth very fine specimens.

Pullets—First splendid and a good winner. Second one of the best out and third following closely with several more rare ones in line.



R. C. R. I. RED COCK.

Winner of first at Youngstown, Ohio. Bred and owned by M. C. De Loof, Willoughby, Ohio.

markings. Fourth and others of very high grade quality.

Pullets—A royal fine class with type the feature. First a real beauty in every way, nicely finished. Second one of the best. Third strong in wing and markings. Others up close.

Pens—With ten pens in line of a high average it was a grand display. The three winners were a beauty lot and very close. Others up to and above the usual run.

#### S. C. Rhode Island Reds.

A great quality class with birds of wonderful color in surface and under, of all the birds we handled we did not see a bit of smut. Shape also was great, up well on legs with long bodies and fine backs, made it a class worth while. The breeders are doing splendid work.

Cocks—First one of the best out this season, very even and of the very richest and soundest of color. Second a strong bird in every way. Third looked extra fine to us and no doubt a great breeder. Fourth a beauty and well shown. Fifth nice and clean cut, good wing. Sixth one of the best and very even in color. Nos. 1014, 1019 and 1026A and C were dandy fine birds and well shown.

Hens—First one of the best in color, surface and under, good head and fine form. Second also very rich in color. Third very strong in clean rich color. Fourth and others choice hens.

Cockerels—A great class of 41 birds with a dozen or more



Pens—A hot lot with extra males and type the feature. The mating in most of them fine, but a few uneven in size and form. The winners stood out strong in this class.

#### S. C. White Orpingtons.

A fine class showing extra good color and real good heads the rule. I would pick type as the leading feature in this class.

Cocks—First probably wins on form and color, which were excellent. Second nice head and very good all over. Third up close, well shown. Fourth and others grand birds.

Hens—First one of the very best, a rich beauty, positively white. Second about at her best and a dandy hen. Third one of rare quality and a hummer. A hot class with other winners and then some fine birds.

Cockerels—Hot from first to last. The three leading winners very grand in every way, nice heads and the best of color. Fourth fine type and well shown. Fifth and sixth both very strong birds with good points and in rare shape. No. 1442 a bird of exceptional promise.

Pullets—First a great bird of size and form with beauty color, as white as snow and fine head. Second a very handsome and valuable bird. Third another of the very best in all ways. Fourth up close and well built. Fifth and others in a close class.

Pens—The first four pens very even and to our mind very close, all pens of merit and well shown. Males exceptionally fine and females grandly mated with shape and size. The females in fourth pen finished and as even in type as we have seen.

#### Blue Orpingtons.

This class well deserves some special mention, for in both size and quality it surpassed our expectations. The blue color fits the Orpington form like a glove. They breed true to type and color and are sure to make a prominent stir before another year rolls round.

The classes here were well filled and with birds rich in quality and well shown. The breeders surely have in them something well worth while, and they are the kind to push them too.

#### S. C. White Leghorns.

A great class of exceptional beauty and value, seen in the best of condition with fine size and the best of form.

Cocks—First one of the best ever and seen here at his best. A bird of great character, great form and a low, full and well carried tail. Head extra and flaming red eyes. What more can we desire? Second another of great merit with a wonderful head and the best of shape, back just right and fine tail. Third and fourth grand birds, well seen. Fifth a beauty and sixth up close.

Hens—First in a class all alone, one of the rarest of the rare, with fine head and beautiful form. Second a very fine hen and in great condition. Third another of wonderful form and in the best of shape. Fourth, fifth and sixth all red hot quality hens.

Cockerels—All four cockerels from first to fourth stood out very strong, almost alike, in prime condition and of the best form and merit. A wonderful class with the best of heads and beautiful backs and tails. It is hard to pick from them and they seemed just right to me. Fifth, sixth and several others made the going strong.

Pullets—First just about the sweetest thing we have ever seen in a coop. Right in every way. Second strong in form and of fine pure color. Third a beauty of rare quality, with others very fine here.

Pens—Close work here between the four first winners.

#### S. C. Brown Leghorns.

This variety has always appealed to us and here was a beauty class well worth seeing. Birds of great merit were in all classes with good size, extra form and very fine markings.

#### S. C. Buff Leghorns.

A good sized class and with excellent color. The winners were all well placed and were a fine lot.

#### R. C. Black Minorcas.

A very large and beautiful class. This variety has come out strong the past few years and promises much for the future. In shape they equal the Single Combs and also are very sound in color. As these awards were not up when we left (Wednesday night) we failed to get special notes on them. This also applies to several other classes.

#### Other Varieties.

Black Spanish—A large class and a very good one. The feature of it was the exhibit of Mr. R. A. Rowan, Los Angeles, Cal., who won about all there was to win.

Anconas—Another great class and as strong a class as we have seen with first pullet the gem of all.

Houdans numbered 53 birds and a good lot. I don't know

how Boston does it, but they do show strong classes and an even balanced show.

Polish in all varieties were seen with the White Crested Blacks in the lead in numbers and of rare quality.

Hamburgs in all varieties numbered 200 birds and they had the quality and no mistake about it. First Golden Penciled hen the best marked bird we have ever seen.

Campines are all the rage, but we also missed notes on this class to our sorrow. The Silvers were an extra fine class of quality birds and well shown. The Goldenes are coming strong and are to be admired.

Standard and Pit Games filled many cages and were a royal attraction to many. Cornish were of high grade, birds of exquisite type and with the best of color and markings were seen here. White Laced Red Cornish were shown to advantage. This was our first experience in handling this class.

Ducks were out in goodly numbers and in Boston quality.

Turkeys, in Bronze particularly, a very strong class. Bill Minich and Dick Okes spent several hours interviewing the winning gobbler. When we passed we heard Bill ask him how he did it, and Dick was witness.

Geese a great class in numbers and in quality.



First Prize Cockerel at Indianapolis, 1912. One of the fine Buff Orpingtons in the yards of F. A. Kaup, Buff Orpington specialist, Chicago, Ill. He has just issued his 1913 edition of the Buff Orpington Guide Book, the finest catalog-mating list published by a Buff Orpington Specialty Breeder. If you will mention the American Poultry Journal he will mail a copy to you free.

From A to Z, from the front to the back, the show was complete and displayed to the best advantage. All varieties were represented by worthy classes and with unusual quality. In no class did we see inferior birds win on account of lack of competition. It matters not what you breed, send them to Boston and you will find competition there and have the satisfaction of knowing that your honors are well won.

Boston awards have a value, and it is a high one. Look over their list of exhibitors and you will find them to be the best in the land. This great show and the men back of it well deserve every credit, and in this respect we have tried hard and earnestly to give credit where due to both the birds, the breeders and the management.

To review this exhibit is a pleasure, and the question arises—Can Boston again next year show the improvement in quality and numbers over this that we have seen in the past? For years they have put on record exhibits and wonderful displays, each in turn to be outclassed by its own successor. We can answer this question right now by saying "Yes," and we will again answer it if living a year later in the same way. The capabilities of that little secretary, and the confidence the breeders have in him, will assure greater Boston shows for time to come.



# The Rhode Island Red Fowl Described

Practical Illustrated Interpretation of the American Standard of Perfection, as Applied to This Popular Variety.

By E. T. DeGraff



JUDGING by the general tone of hundreds of letters I get from amateurs, and the questions I have heard asked at the large shows I have attended this winter, there is a wonder variation as to how the Standard is practically interpreted.

As I have studied the judging of judges at the four largest shows held this winter, and taken photographs of most of the winners, for my reports of these shows, I feel I have had the benefit of an experience that few have taken the trouble to follow up. I intend to give the reader the benefit of what I have learned from ten years' practical experience in breeding and exhibiting

Reds, and my careful study necessary to develop my true to life colored pictures which are acknowledged to be the highest grade poultry pictures ever published.

Many look upon the Standard as some sacred epistle that has been handed down to us poor mortals here below, and don't seem to know the why and wherefore of its existence at all.

The American Standard of Perfection printed and copyrighted by the A. P. A. is nothing but a compromise of the many different opinions that may have prevailed as to what the ideal of any breed of fowls should be, to govern its future development, and establish a foundation for judges to base their decisions in selecting the prize winners at our poultry shows.

At Fall River, Mass., in 1898, there was held a meeting of few but enthusiastic breeders of Reds, who formed a club and voted the officers there elected the power to act in any way to promote the interests of the breed. In 1901 a meeting was held at Boston in which it was decided to adopt and copyright a Standard on the lines of what had generally been the accepted ideal, after much discussion pro and con. At the A. P. A. meeting held at Rochester, 1903, several prominent Eastern Club members combined their best birds and made a very creditable showing of what had up to this time been christened by the old line breeders, "The Great American Dunghill."

Largely through the efforts of Hon. C. M. Bryant, who had acted as president of the club for several years, the

S. C. Rhode Island Reds were admitted to the Standard, placing them on equal terms with all other breeds in the race for public approval.

Unfortunately there was so much wire pulling, and too many interests to be satisfied, that sufficient forethought was not exercised among the officials of the A. P. A., that the American Reds and Buckeye Reds were also admitted at the same time.

This action aroused strong sentiment in the club, and there was much public discussion for a year afterwards, until the American Reds were wiped off the face of the earth and Rose Comb Rhode Island Reds were admitted to the Standard as a second variety of the Red breed. That is was a mistake to ever have admitted the Buckeyes as a breed has been proven, as they evidently will never win public approval.

When the Standard pictures were adopted, it was very noticeable that the ideal profiles and the printed description did not jibe, and it was evident at some shows that the judge's opinion did not jibe with either one, as he was judging entirely by what he thought should win. The popularity of the breed grew so rapidly that naturally there arose jealousy and discontent among the breeders, because the club officials were always confined to a select clique in and around Boston and Fall River, so that several opposition Red clubs were formed, and the accepted standard received much discussion, part of which was adopted at the revision meeting held at Niagara Falls in 1909. To show how fickle public opinion is, I will state that the A. P. A. revision committee when it met at Chicago, Ill., adopted all the suggestions made by the Western Red Club and when the Eastern Red Club made a united effort they succeeded in changing all the points they desired, except a few, and the present standard was adopted, which can not be changed till 1914.

The principal point of contention among breeders was whether there should be ticking in hackles of females or not, and whether it should be allowed in males also, which was decided to go against nature and have ticking in hackles of females, and not in males, so that every show held in the country today, we see males shown with a large part of their hackles pulled out to remove the ticking, which the judges are overlooking so far, as an example of tampering with nature, while males of all ages are being sold, with the



No. 1—No better balanced Red cock has been shown to my knowledge, and the fact that he took first prize at Madison Square Garden, together with shape and color special club ribbons, in a large class, proves he has extra strong points throughout. I consider his breast, back and tail development far above the average prize winner, and about as desirable a breeder for type as any fancier could expect to use. No. 2—Many desirable points in a fully developed cockerel about a year old are shown here as I like to see them. I consider his breast, back and tail development about as good as we can expect to get them, and the fact that he is just as picture shows, means a whole lot, when compared with drawings. The comb is larger than natural from effects of two shows. No. 3—This partially developed cockerel shows many desirable and promising features in a young male when about 6 to 7 months old. His breast, back and tail are all could be asked for at his age, while the apparent length of legs will disappear as he matures. It is better to have a good frame to build on than a small, compact bird early to mature, but never reaching the proper weight.



continual uncertainty whether the young growing cockerel will lose his ticking or not, and whether the cockerel that is free from it as a cockerel may not develop it when he moults, all of which is very unsatisfactory to the amateur breeder, who feels he is being humbugged.

As the reading matter and profile cuts of Standard are copyrighted, and you can not buy any separate breed standards for Reds you will have to buy the whole book to learn what you want to know about Reds, but I have the privilege of giving you my interpretation of what I consider ideal specimens by



No. 7—I have never seen any picture that shows the good points of an old hen better than this one. You can see the uneven plumage due to lack of strength in each feather, and drain from many years of laying, still her vitality shows out strong in eye and head, and she is good for several years as a layer, and the strongest of breeders.

No. 8—I consider this picture shows the many good points desirable in this breed better than anything I have ever seen in print. You can see the vitality, ruggedness, alertness, together with full breast, wide low tail, and strong legs well spread, which are vital points in every money-making fowl for eggs or meat.

showing pictures from life of birds that I consider as near my ideal as any I have ever seen. The motive of the standard is to give the amateur information that will enable him to know his prize-winning Reds from his inferior stock, but when we consider that the same cuts are used and same description applied to old and young of all ages you can see the object is not entirely accomplished, and much individual interpretation is exercised in its practical demonstration. As competition in shows include all ages, I will show the differences that take place, as the bird matures, although equally high grade specimens at each age. The promising young cockerel shown just before reaching standard weight gives promise in every way of being an exceptionally fine specimen, still the judge should not bank too much on promises, as very often they are not fulfilled. The finishing touches of any bird may develop faults that could not be foreseen, such as white in under color, white feathers, ticking in hackle, may come and may disappear, while some males change the angle of their tail carriage entirely, and even change their type entirely in a month's growth. The matured

cockerel shows a very well-proportioned, well-balanced male just as he reached Standard weight, and there is little doubt but he will develop into a grand, good cock bird, and may look much like the type shown in the matured cock picture, as this shows a male fully matured, rounded out in all parts, with full sickled tail, which seems to be a weak point in so many really good Reds in other respects. The oblong body is very marked in each specimen, and you must always make some allowance in the apparent length of legs of photographs taken at this elevation, as we are accustomed to look down at a bird. While the Standard color, "rich even red," applies to pullets, hens and old hens, still I have seen but two hens this whole winter's showing that could be said to be anywhere near the color we are giving prizes to in pullets, and one of these "Lady Graffmoore," took the color special over all pullets in show, which proves her color was what we are all looking for but seldom ever see in hens of any age.

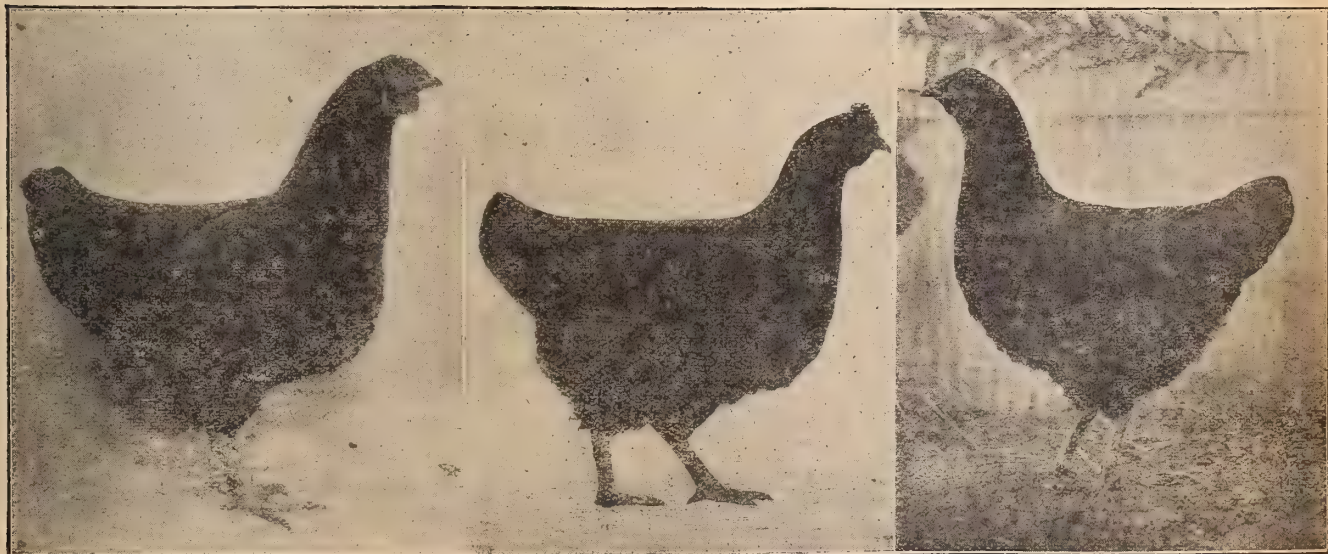
The amateur should know that mighty few Red hens ever have the color they had as pullets, but will moult out lighter, and if of a good even harmony, although lighter, you have what any judge will consider above the average hen, if her type is right.

The pullet picture shows that velvety finish that often decides the winner in pullet classes, which I feel is sometimes a mistake, as this bloom of perfect health may disappear more or less as she lays eggs, while the typical formed pullet will not lose but improve as she gets busy, so shape should count half of any prize bird, and for utility purposes type counts much



I give these photos of what I consider good breeding and good show heads, but there are many things that can't be shown in pictures. In some of the pictures shown, there was a slight move in photo which necessitated slight retouching to bring out detail, but no head has been changed from what nature made it. It is all nonsense to expect any bird to hold its head in a certain position, as you can't get them to hold still long enough to even get a snap shot.

more. The hen picture shows one of the best balanced hens that I have photographed this winter, and she is as good as the picture throughout. The old hen when taken was seven years old, so you can excuse the unevenness of plumage, but her vitality shows out strong for her age. The other hen picture was taken eight years ago, and I have never taken a picture since that shows the strong desirable points of a Red hen better than this, namely, vitality, ruggedness, alertness, wide breast, low wide tail, well spread, and ability to forage and



No. 4—This unfaked picture shows about as perfect a hen as I have ever seen exhibited in "Red Alley," and when you consider that her color was nearly perfect, you can imagine the value of such a specimen. Very few hens have this bird's breast, back and tail position and development, which are very desirable, but seldom come all in one bird. No. 5—While this picture is not as satisfactory as the bird merits, I will say I never saw a more typical shaped hen in real life, as the oblong square free from curves, was emphasized to perfection, and her length was even more than could be expected in average specimen. Her flat back of extreme length is unfaked. No. 6—The velvety finish of a prize winning pullet just at the right age, is shown as plain as any picture could show it, and the development and type at this age in pullets is about as I like to see it. Very small, rich colored pullets should never win, when birds of this type are shown, even if lacking slightly in color, as vitality and type are half of every good Red.



scratch for her living if circumstances are such she can do it.

While the Standard description of what color a wing should be generally gets the amateur all at sea, and the color of the small feathers at base of wing is not given at all, still I believe the accompanying pictures will give the idea where and how much black there should be on wings of both male and female, while females that get it as strong as this are very scarce, and if right otherwise very valuable either for showing or breeding.

When we stop and think of the wonderful improvement that has been made in Reds in this short time, and their wonderful unprecedented popularity ever increasing, we should realize that we have a grand opportunity in them for future development. As we pass through this world but once, any good therefore that we can do or any kindness we can show to any

human being let us do it now, lest we defer or neglect it, for we shall not pass this way again.

If your Reds have not been coming as you would just like to have them, remember they are made up of crosses for years back and are liable to strike back to inferior ancestors, and try to remedy your weakness by buying the best you can buy to correct it.

"If the day looks kinder gloomy  
An' your chances kinder slim;  
If the situation's puzzlin'  
An' the prospects awful grim,  
An' perplexities keep pressin'  
Till all hope is nearly gone,  
Jus' bristle up and grit your teeth  
An' keep on keepin' on."

## The Proper Care of Young Chicks

"Well Hatched is Half Raised"—Artificial vs. Natural Incubation—  
Fresh Air Both Day and Night Important *By Chas. L. Simmons*



THE AVERAGE POULTRYMAN considers it much easier to hatch a large per cent of the eggs he sets than to rear a large per cent of the chicks hatched. The reason is that many chicks are hatched that it is impossible to raise to maturity. The number of chicks hatched depends largely upon the vitality of the eggs. Every time the temperature in the incubator runs too high or too low, or if the eggs are cooled too long, or there is not enough moisture the embryo chick is weakened. If the eggs were laid by strong, vigorous breeding stock that were given good feed and care the eggs will stand considerable abuse during incubation

and still hatch a goodly per cent of chicks, but the chicks will be weakened in the same degree as if they had come from weak embryos in which case they would not have hatched at all. The experienced poultryman can produce birds of apparently equal quality by artificial and natural methods of incubation and brooding. But unless one is skilled in operating incubators and uses only the best makes he cannot hatch strong, vigorous chicks such as the hen hatches. There are several reasons why hen hatched chicks might be expected to be superior to incubator hatched chicks. One reason is that the white shelled eggs of Leghorns hatch much better in incubators than do the brown shelled eggs of American breeds (especially Red and Buff varieties that lay a very dark shelled egg), while the thick brown shelled eggs of Brahmas and Cochins are extremely difficult to hatch in incubators though hatching as well under hens as Leghorn eggs.

Fresh air both day and night is now recognized as one of the first essentials to the health of fowls of all ages, but the incubator chick must remain in the tight walled incubator with his brothers and sisters until the last chick is hatched and thoroughly dried before he receives an opportunity to fill his lungs with fresh, pure air. The chicks in the incubator will be noticed to breath fast and with open mouths as if they were suffocating after a large number have hatched. But notice a brood hatching under a hen, no matter how cold the air outside, they will thrust their beaks from under the hen's body and breathe pure air almost as soon as hatched. The chicks crowding against the glass door or scrambling around the edge of the incubator shows they are trying to reach fresh air. There are several other reasons why the hen is superior to the machine for hatching chicks and it will pay any poultryman to keep a good flock of hens of same setting breed. If one uses the "Wozelma Incubator," or some similar nest for the setters setting a number of hens at a time, the labor and expense of hatching with hens is much less than with oil heated incubators.

However, the average chick produced from strong parents is able to stand considerable hardship and a few incubators are mighty handy when one desires to hatch a large number of chicks in February and March. The main point with either hens or incubators is to give them the proper care and attention and set only medium-large eggs from properly mated vigorous breeding stock, remembering that "Well hatched is half raised."

After the chicks are hatched the brooding question comes up for consideration. If ones time is worth about five cents an hour and he has a heated building in which to start the

young chicks in cold weather he may seriously consider fireless brooding. Most of us are not so fortunately (or unfortunately) situated. The coal heated brooder stoves and the movable (oil heated) brooder-hovers now on the market have the fireless brooders, long pipe brooding systems and small box so-called "outdoor brooders," beaten from every standpoint. When the lamp or heater needs attention it is easily and quickly got at and there is no time lost teaching chicks to climb up and down stairs or to all run in the fireless brooder every time the weakest member of the flock must be "thawed out." When the warmest place is the center of the room and the air gradually gets cooler towards the four corners of the room, the chicks will select just the right temperature for their individual needs and will keep comfortable and contented if properly fed.

In using hens for brooding, the main points are to select quiet, gentle hens and keep them confined all the time. The early chicks may be started in a colony house confining the



Champion Rose Comb Black Minorca cock. Bred and owned by Ross Swartout, Newport, Ont., Canada.

hens in small coops made of lath and giving the chicks the run of the house. After the grass starts to grow in the Spring the chicks may be allowed to run outside. When the hens are no longer needed they may be removed and the chicks can grow to maturity without being moved to another house, which is quite an advantage. As soon as the vegetation starts in the Spring the chicks will do better if cooped out of doors but they should have a good coop with board floors and three sides and the roof tight. A pen of lath may be used in front of the coop to confine the hen and the chicks given free range. But it is important that they have a good place to range. A grass range for baby chicks is as undesirable as a range of hazel brush or a wild blackberry patch would be for mature fowls. If they run out in the grass early in the morning or after a rain they get wet, which is sure to stunt their growth. They will become tangled in tall grass and often lost, which results in their

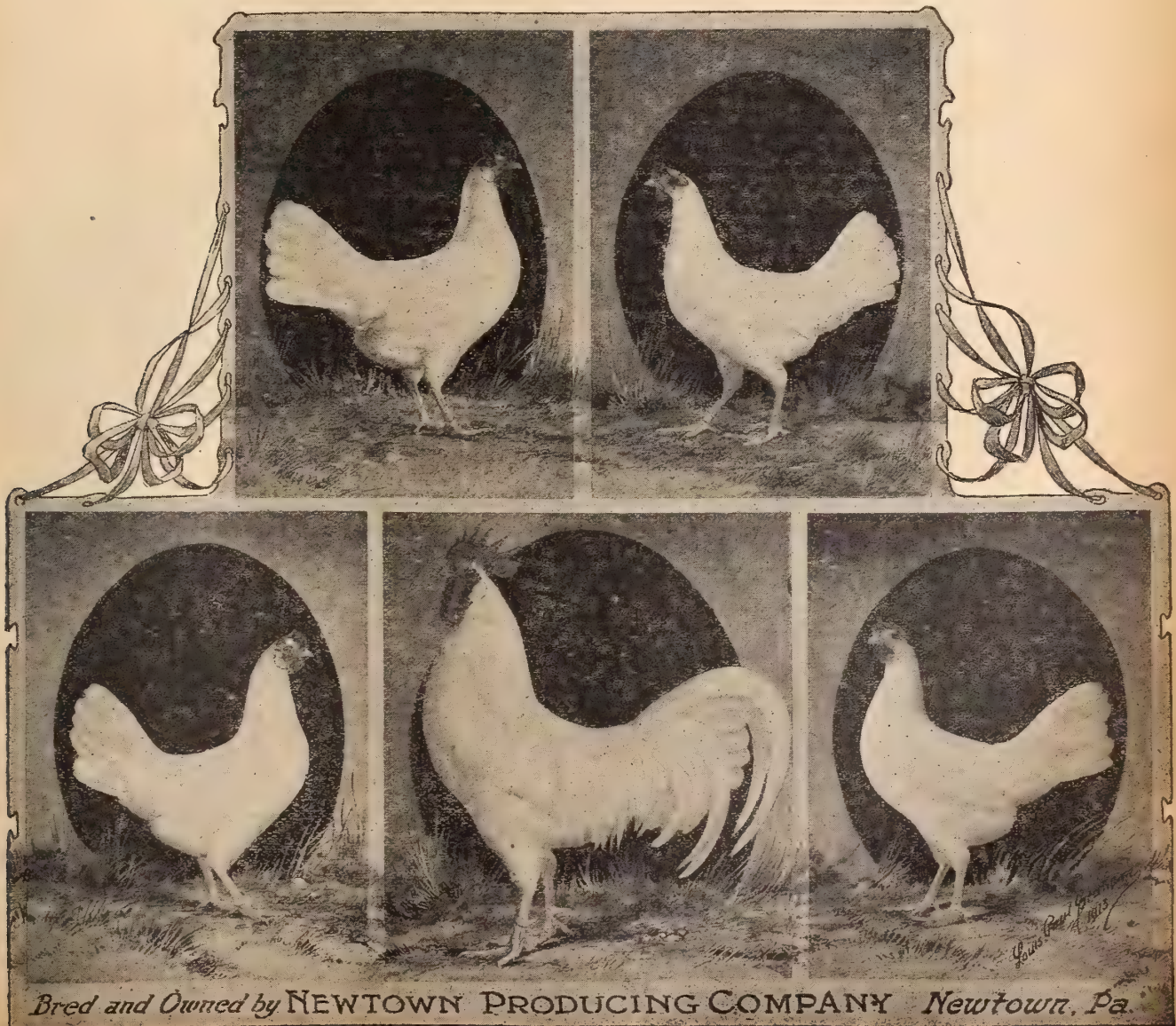


only ranging a distance around the coops where they can keep the grass trampled down. Of course a lawn where the grass is kept short by the lawn mower is not so bad, but is generally not so convenient or desirable as a tilled field. A corn field makes an excellent place to rear chicks. Several rows should be missed when planting to give an open space in which to coop the hens and make it convenient to care for them. Not being bothered with tall grass they will range in the shade of the corn all day and will secure sprouted weed seeds and many insects every time the corn is plowed.

Properly feeding the chicks is very important especially early in the season when they are confined to the house. I can find nothing so good for the first few days as "johnny cake," or corn bread made from fresh corn meal and buttermilk. I use it exclusively for the first few days and alternately with cracked grains for the first three or four weeks. When the chicks are confined it is very important to bury the cracked grains in a deep litter of cut straw or alfalfa. To make the chicks exercise? No, they will take sufficient exercise trying to get out of the house and running around hollering for more feed after they have gulped down what is fed them. But bury the grain in the litter because it is the nature of the chick to be scratching and hunting for something to eat and they are more contented when doing so. That is the great essential. Keep them happy and contented and do not have them yelping for more heat, more or different feed or for lack of something better to do. Plenty of fresh meat and green food is essential where the chicks are confined. If you don't think green food is essential just try feeding a flock of chicks on an exclusive grain and meat diet till they loose their appetites and their plumage assumes a dry, dead look, and then begin feeding freshly ground raw potato and watch them take a new lease on life. I can find nothing in the line of green

food so good, cheap and convenient as raw potato fed every day all that the chicks will clean up. Fresh, raw meat is better than beef scraps, and while more expensive, the chicks require so little feed the first few weeks that the best is always the cheapest regardless of first cost.

Bulky, fibrous food is also essential and for this wheat bran may be kept in a box before the chicks all the time. Chicks that are confined will eat large quantities of bran but if given free range they will secure the necessary bulk and fiber in the grass and weeds they eat and will not pay much attention to the bran. The reader will notice that I did not mention "sharp" grit as the "first feed." Grit is not necessary till the chicks begin eating hard grains and then coarse sand or fine gravel is best. Chicks on free range can generally secure sufficient grit. Undoubtedly many chicks are injured by eating too much grit, millet seed and hard weed seeds the first few days of their lives. If commercial chick feed is used it should be composed of nothing but sound, freshly crack grain, no grit, millet, weed seed or musty grain. The safest plan is to crack and sift your own grain and buy "steel cut" oats that is prepared for human food. Great care should also be taken to keep plenty of fresh, pure water always before the chicks. Probably more chicks are lost from compelling them to drink sour, fowl water than from any other cause. It is not enough to simply renew the water several times a day, but the drinking vessels should be scalded or a little permanganate of potash placed in them frequently. Fresh sour milk is excellent feed and may be given the chicks to drink or used to mix mashies. It is not only a great feed but a bowel regulator and conditioner. Hulled, "steel cut" or "pin-head" oats is a valuable grain food producing quick, sturdy growth and large boned chicks. Boiled rice or oatmeal will correct diarrhoea.





# EDITORIAL

WE LEAD  
OTHERS FOLLOW

65,000 A. P. J.'s FOR MARCH, 1913.

State of Illinois, County of Cook, ss.:  
G. M. Atwell, president of the Atwell  
Printing House, Chicago, being duly  
sworn, certifies that the American Poul-  
try Journal has contracted for printing  
and binding sixty-five thousand copies of  
the March, 1913, issue.

G. M. ATWELL.  
Subscribed and sworn to before me this  
21st day of February, 1913.  
(Seal) HENRY G. EISERT,  
Notary Public.

## OUR GUARANTEE.

We guarantee our subscribers against  
loss due to fraudulent misrepresentation  
in any display advertisement appearing in  
the American Poultry Journal, providing  
the subscriber when ordering the fowls  
or merchandise states that the advertise-  
ment was seen in the American Poultry  
Journal, and places the order during the  
month or months in which the ad is in-  
serted in our columns and notifies us of  
the fraudulent misrepresentation of the  
advertiser, giving full particulars, as soon  
as it occurs.

## Will Small Flocks Lay Better Than Large Ones

It is often stated and generally be-  
lieved that fowls kept in small flocks  
and very carefully attended will pro-  
duce a greater percentage of eggs than  
fowls kept in quite large flocks that  
do not receive as much care.

Without giving the subject much  
thought, we have assumed this to be  
a fact, but have considered that the  
saving of labor and time in care of  
large flocks made up for possible loss  
in number of eggs. In view of our own  
experience and reports of large flocks,  
which have come to us of late years, we  
have come to doubt the practical value  
of small flocks when it comes to actual  
production of eggs.

While the data given herein is only  
fragmentary, and not at all conclusive,  
it is an interesting comparison. We  
have before us at present writing the  
total egg production for each week of  
four weeks in January for the first and  
second years of the North American  
Laying Competition at Storrs, Conn.

In this contest at Storrs there are  
500 layers. They are in pens of five  
layers each, with about fourteen square  
feet of floor space per bird. The houses  
are Gillette open-front houses, 12x12  
feet each, divided into two pens. The  
birds are fed a dry mash in hopper and  
scratch grain in automatic feeders (not  
exercisers but feeders which feed read-  
ily at the turn of a bait bar that is  
within comfortable reach of the fowl).  
They get fresh water regularly and  
have all the grit, charcoal and shell  
they need. The vegetable food supply  
is quite regular. These 500 fowl get  
attendance from three men a good part  
of the time and four some of the time.  
The houses are kept in good order and  
show condition most of the time, and  
the birds use trap nests. They are  
over-cared for rather than otherwise,  
which may account in a measure for the  
failure to show remarkable productivity.

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The best writers on poultry matters con-  
tribute to its columns. It receives the  
patronage and endorsement of the fore-  
most representative breeders of standard  
poultry and manufacturers of poultry ap-  
pliances in the country.

Bear in mind, though, that these birds  
represent twenty-one popular varieties  
and were picked specimens entered by  
their owners to compete in an inter-  
national laying contest. Here is the  
record for four weeks in January in  
1912 and 1913. Total production for  
500 fowls in contest:

	1912,	1913,
	1st	2d
	year.	year.
	Eggs.	Eggs.
Ending Jan. 9 (10th week).	875	671
Ending Jan. 16 (11th week).	779	734
Ending Jan. 23 (12th week).	786	843
Ending Jan. 30 (13th week).	982	1,000

During the twenty-eight days of Jan-  
uary named above, the average daily  
yield for the flock during the first year  
of the contest was 24.6 per cent; during  
the second year contest the yield for  
the corresponding twenty-eight days av-  
eraged 23.2 per cent.

We have before us the egg records of  
the Wozelma Farm's flocks for the  
same period in 1913. The record is for  
1,000 layers, which includes quite a  
number of late-hatched pullets. These  
birds are fed on dry mash in boxes.  
They have scratch grain in automatic  
feeders. They are housed, in flocks of  
from 100 to 145 each, in Woods open-  
front houses; each house is 20x20 feet,  
except one, which is 10x16 feet, and the  
average amount of floor space per bird  
is about 3¼ square feet. One man  
takes entire care of the 1,000 layers and  
has abundant time for other work. The  
fowls are disturbed as little as possible.  
They are fed twice a week. The eggs  
are collected daily in moderate weather  
and two or three times a day in very  
cold weather. The fowls run outdoors  
every day unless it storms so hard they  
can't get out. They have green food,  
rather irregularly, as it is available.  
They are watered once a day when the  
ground is bare. When there is snow on  
the ground they eat snow; they seem to  
prefer it to drinking water and they  
are not watered if there is clean snow  
convenient. They have plenty of grit,

shell and charcoal. The proportion of  
corn (yellow corn) whole, cracked, and  
meal, in their food is much greater than  
was used in the first Storr's contest.  
House cleaning is scheduled to be done  
twice a year, but the houses are in very  
good order and the birds in fine condi-  
tion. There are three American varie-  
ties represented in this 1,000 layers—  
Rocks, Reds and 'Dottes. These birds  
were selected for utility values, health  
and egg production from the farm's  
yearlings and 1912 pullets. Here is  
their record for the four weeks corre-  
sponding to the Storr's contest flocks:

	No. of
	eggs.
Ending Jan. 9.....	1,509
Ending Jan. 16.....	1,799
Ending Jan. 23.....	1,870
Ending Jan. 30.....	2,375

Average daily yield for the flock of  
1,000 for the twenty-eight days of Jan-  
uary named above was a trifle over  
26.97 per cent. Here it will be noted  
that the large flocks left largely to care  
for themselves did 3.77 per cent better  
than the 1913 and 2.37 better than the  
1912 records of the much cared for  
small flocks. This may not follow  
through the year, but we think it will,  
and we doubt very much if the 1,000  
layers in large flocks require or get one-  
eighth as much labor as the 500 in small  
flocks. Basing our estimate on an av-  
erage week, we find that twenty-eight  
hours a week for one man will cover  
the actual time spent in caring for the  
1,000 layers, and this includes grinding  
and mixing all food as well as water-  
ing, feeding and egg collection. Figur-  
ing an eight-hour day, that leaves the  
man 2½ days a week for extra work  
and a day of rest in every seven. Com-  
pare this yield, which we believe we  
can better considerably another season,  
with that of the much attended small  
flocks of selected contestants in roomy  
quarters.

This same flock of 1,000 layers during  
the ten days ending February 9th pro-  
duced 4,212 eggs, or an average daily



yield of 42.12 per cent for the flock. This in spite of the fact of much colder weather, ground covered with snow and consequently no drinking water provided, the birds running out in the snow and quenching their thirst by eating snow. We don't say that 1,000 fowls in small flocks handled in practically the same manner would not have shown a better performance. We don't know about that yet, but would they do enough better to pay a profit on the extra labor and the additional cost of housing? Will small flocks really lay better than large ones? What is your experience?

### Unequaled New York Record

It takes time and several readings to fully appreciate the merit and value of the phenomenal winning made by Mr. E. B. Thompson with his "Ringlet" Barred Plymouth Rocks at the 1913 Madison Square Garden New York show. During the past twenty-four years of this truly great show many wonderful records have been made by Mr. Thompson and other breeders, but no record has ever been made in a greater class of superior quality throughout or one so complete. The competition was terrific. Every one of the 191 birds competing bore rings of quality and by right were worthy of the most careful consideration, for every coop contained an idol and a hope. The best that skill and modern ability could produce was there. In this sensational class Mr. Thompson won:

Cocks, 2, 3, 4, 5.  
Cockerels, 1, 2, 6, 8.  
Hens, 3, 4.  
Pullets, 1, 6.  
Exhibition pens, 1, 2, 5.  
Cockerel mating pen, 1st.  
Display, 1st.

Sweepstake specials for champion male and champion female, shape and color specials on males, special for best cock, hen, cockerel and pullet, silver cup for best pen, Spratt's gold special, etc.

No words of ours can add to the brilliancy of this record of all records. It stands out clear and strong to the credit of this one man who has by it ably demonstrated the value of his line, the results of his study and life's work, the results of careful and judicious line breeding and the success possible to attain. Mr. Thompson has mastered the breeding questions. He has done something really worth while, and we are pleased to give him full credit.—H. P. Schwab.

### Cancer in Fowls

In this issue appears an illustrated article by Dr. Harvey R. Gaylor, director of the State Institute for the Study of Malignant Disease, Gratwick Laboratory, Buffalo, N. Y., on "Cancer in Fowls and Its Prevention."

The question of cancer in fowls is a very important one, and this article should prove of considerable interest and value. Dr. Gaylor asks for co-operation of poultry breeders in providing valuable material for research work. We hope everyone who can will help.

Under date of February 3d, Dr. Gaylor writes that "there is a bill before the legislature deeding a farm of 32 acres near the town of Springville, N. Y., to the state and asking for an

appropriation of \$20,000 to equip it as a breeding farm and experimental station for the study of disease in its relation to heredity and for the study of transmission of malignant disease through the various varieties of lower animals. One of the most important activities of this new suburban experiment station, which is to be a part of the State Institute for the Study of Malignant Disease, will be the experimental study of the transmission of cancer and allied diseases with chickens."

Here is a great work for the human race from which much good must come. Cancer is now given much more often as a cause of death than in former years. The scourge, which up to the present time has defined successful treatment, is apparently on the increase. That the disease affects fowls as well as other animals has been known for some time, but very little information of real value has been available. Works on poultry diseases contain only meager mention. The State Institute at Buffalo seeks to learn the cause, the mode of transmission, the danger (if any) of transmission from animals to man, the relation to heredity, and the prevention and cure of the dread disease.

The poultryman has here his chance to share in a great work for a great cause. Read the article. You will note that the institute is in need of live poultry affected with malignant growths for use in its experimental work, and is ready to pay market value for suitable specimens. Search your flocks for fowls having fleshy tumors that grow rapidly. Send a description of any such to the institute as requested. And here let us make a suggestion: If you find any specimens that apparently have cancer, don't set a price on them; offer to send them without charge in the interest of the cause if the institute cares to pay transportation.

### A Remarkable Bulletin

Maine Experiment Station has issued a rather remarkable bulletin, No. 205, entitled "Mode of Inheritance of Fecundity in Domestic Fowl." On its title page the following statement is made:

"This bulletin gives a detailed technical account of the latest results of the experiments in breeding for egg production, at this station. The manner in which the productive ability (fecundity) of hens is inherited is described."

The greater part of this bulletin is given to technical analysis of experimental data. We have not time or space in this issue to review the bulletin, but hope to do so in a later number. Dr. Raymond Pearl, biologist of the station, is the author. Some of the conclusions given appear on first reading not to be substantiated by the data given, and to be somewhat conflicting in nature.

The count of oöcytes (seed eggs) found in the ovary of the hen is interesting and, we believe, new. Count was made of the oöcytes visible to the unaided eye. Undoubtedly there are many more oöcytes than are visible, and the count is not considered as representing the total number, but as establishing minimum values, since "a given ovary certainly does not carry any less than the number of visible ova." In ovaries examined in from fifteen hens, the total count of visible oöcytes showed a low count of 914 oöcytes and a high count of 3,605 oöcytes, with an average of

above 1,800 seed eggs per hen."

In his summary of "the essential facts brought out in this study of fecundity, appear to me to be the following," Dr. Pearl makes the following statements. (We have not included the complete list of "facts," and we have not yet made a sufficiently careful examination of the bulletin to arrive at the conclusion that Dr. Pearl has really proved his "facts." It appears on first reading that some of these "facts" require more satisfying proof than is found in the bulletin.—Ed.)

"1. The record of fecundity of a hen, taken by and of itself alone, gives no definite, reliable indication from which the probable egg production of her daughters may be predicted. Furthermore, mass selection on the basis of the fecundity records of females alone, even though long continued and stringent in character, failed completely to produce any steady change in type in the direction of selection.

"2. Fecundity must, however, be inherited, since (a) there are widely distinct and permanent (under ordinary breeding) differences in respect of degree of fecundity between different standard breeds of fowls commonly kept by poultrymen, and (b) a study of pedigree records of poultry at once discovers pedigree lines (in some measure inbred, of course) in each of which a definite, particular degree of fecundity constantly reappears generation after generation, the 'line' thus 'breeding true' in this particular. With all birds (in which such a phenomenon as that noted under (b) occurs), kept under the same general environmental conditions, such a result can only mean that the character is in some manner inherited.

"3. The basis for observed variations in fecundity is not anatomical. The number of visible oöcytes in the ovary bears no definite or constant relation to the actually realized egg production.

"4. This can only mean that observed differences (variations) in actual egg productions depend upon differences in the complex physiological mechanism concerned with the maturation of oöcytes and ovulation."

"8. High fecundity may be inherited by daughters from their sire, independent of the dam.

"9. High fecundity is not inherited by daughters from their dam.

"10. A low degree of fecundity may be inherited by the daughters from either sire or dam, or both."

Without going into lengthy comment, we can't reconcile statements 8, 9 and 10, and we don't find the "proof" in the bulletin sufficiently clear. If low fecundity can be inherited from the female parent, why is it that high fecundity cannot? Does a pullet get all its good traits from the male parent, and only poor ones from the mother? Isn't it quite possible that the "complex physiological mechanism" of the production of eggs, and what really goes into the eggs, is still very poorly understood?

Of course, the hen is provided with a much larger number of oöcytes than are ever likely to mature into eggs. Nature is everywhere prodigal with seed. Just why some hens are unusual producers, and some poor ones, or why the same hen will lay remarkably well some times and poorly at others, is still open to further explanation. Try a known good layer by keeping a nest



full of eggs always in her pen, and note whether or not she stops producing and becomes broody. Give her the opportunity to have a nest full of eggs any old time, and see how often she becomes broody in a season, and note how much it cuts down her actual production. Take another equally good layer, and remove her eggs from the nest as fast as she produces them, but otherwise care for her the same as the first hen. Compare results from both. If you breed pigeons (it is probable that the laying function is performed in much the same manner in birds as it is in hens), breed a pair in a pen by themselves, and another pair in a similar pen. From the first pair remove one egg from the nest as soon as the second egg is laid, always removing the oldest egg, and note how long you can keep that pigeon laying. Let the other pair nest in the usual manner, and compare results in actual egg production. Note how soon the pigeon will sit after it gets two eggs to sit on.

That is enough for the present on this subject. We simply offer the suggestions to set you thinking and experimenting. We have asked H. H. Stoddard to write a review of Dr. Pearl's Bulletin No. 205, and hope to have same for an early issue.

#### Uncle Sam's Girls' Poultry Clubs

Truly, this is the woman's era. Suffragettes are marching on our largest cities. They have captured important States. Not content with governing mere man at home, they propose to take a hand in governing all men. Do we believe in "Votes for Women"? You bet! We don't know what they are going to do with 'em when they get 'em, but if the women want to vote on an equal footing with the men, don't try to stop them. They can probably do it better than we can, anyway. Did you ever notice how much better they can raise chickens and persuade hens to lay than a man?

Well, your Uncle Sam knows that it is the women that help to keep "Biddy" Hen on the farm. The average farmer man doesn't have much use for hens, as a rule. The farm wife manages the farm flocks; often she keeps hens on the farm in opposition to the wishes of the men folks—and she makes them pay. The farm wife's poultry and eggs pay the grocers' bills and help to pay

for clothing for the children and many necessities, and sometimes have helped to pay off the mortgage on the farm. Your Uncle Sam, down in Washington, hasn't been blind to what has been going on, and now he is going to take a hand in an endeavor to help for better poultry on the farm and more of it.

Harry M. Lamon, senior animal husbandman in poultry investigation, Bureau of Animal Industry, United States Department of Agriculture, with his able assistants, is devoting some effective work toward the organization of Girls' Poultry Clubs. The object of forming these clubs "is to give a better knowledge of the value and importance of the poultry industry and the marketing of a first-class, uniform product; to teach better methods of caring for the poultry and eggs, and to show the increased revenue to be derived from well-bred poultry, where proper methods of management are pursued."

The following recommendation is made by the United States Department of Agriculture in the matter of organization if Girls' Poultry Clubs:

"Throughout the year, meetings should be held to discuss the different problems of poultry management, and at such meetings the Animal Husbandry Division of the Bureau of Animal Industry, United States Department of Agriculture, will have in attendance, whenever possible, one of its specialists on poultry, to assist in solving such questions or problems as might arise, and to give whatever help and information he can to the members on such subjects as selection of stock, candling demonstrations, etc. He will also assist in securing first-class markets for the sale of the poultry and eggs.

"Each county club should hold an exhibition once a year, preferably in connection with the county fair, at which place a pair of the best chickens grown by each member should be placed on exhibition and entered to compete in the regular classes for premiums offered by the fair association, as well as for the special prizes offered for members of the Girls' Poultry Clubs. An exhibit of the best dozen of eggs should also be made.

"It would be well to have a president, one or more vice-presidents, and a secretary. A simple constitution and by-laws should be adopted. It will be found profitable to subdivide the county organization by townships, schools, or

school districts, and have local meetings at schoolhouses or at different girls' homes occasionally. Each club should adopt the following general regulations:

"1. Girls joining the club must be between 10 and 18 years of age on January 1 of any given year. Special classes may be organized for older girls.

"2. No girl shall be eligible to receive a prize unless she becomes a member of the club, and sets at least one setting of 15 eggs.

"3. Each member of the club must agree to study the instructions of the United States Department of Agriculture.

"4. Each girl must plan to do her own work and keep strict account of all expenses, such as feed, labor (for which 10 cents an hour should be charged), sale of stock, etc."

More particulars can be had, if desired, by addressing Harry M. Lamon, Poultry Investigations, Bureau of Animal Industry, United States Department of Agriculture, Washington, D. C. Here is a good work started, and we hope that all of Uncle Sam's girls will do all that they can to help. Start a Girls' Poultry Club in your home town, and try to get your county organized. If you want help in getting started ask Mr. Lamon for advice.

#### DR. WOODS' NOTES AND COMMENTS.

February gave us a taste of a little real old fashioned winter weather but it came too late to help the market egg situation. December, 1912, and January and February 1913 show egg prices very considerably lower than for the same months a year ago. Singularly enough, though, the weather was very mild, and increased production of eggs because of the warm weather is given as one of the causes of the low prices, a considerable number of northern flocks, with which we have been in touch, did not show as good an egg yield as they did in the severe winter weather of a year ago. No doubt some one will now rise up and explain.

\* \* \*

Some friends in the poultry supply business report excellent sales "largely owing to the mild open winter." Others in the same line of business claim that "the unseasonable weather and depression has made business less satisfactory than last season." You pay your money and take your choice 'twixt 'tis and 'tain't. We've enjoyed the spring-like winter and we hope it will be followed by a normal spring and not a cold backward one, such as followed the severe winter of 1911-12. But whatever comes, we're here ahead of it and might as well take it cheerfully. Whatever the weather may be, make the best of it and keep busy.

\* \* \*

Samuel J. Hooper, of Texas, reads the A. P. J. promptly, whatever else he does. He had read our February issue by February 6th and found time on that date to write us a 350 word letter on the subject of our comments in that issue. There is a lot of satisfaction in stirring up Mr. Hooper, he always responds to treatment. He is a candidate for election to membership in the Executive Board of the American Poultry Association and does not think that we interpreted his position correctly in re-

## WHITE ORPINGTONS

### An Established Strain with an Established Record

Write for catalogue giving list of winnings at Madison Square Garden, Chicago, Buffalo International, Cleveland, Allentown, Hagerstown and Pittsburgh. We have supplied hundreds of guaranteed winners and have started thousands of people in the chicken business with breeding stock at moderate prices, quality considered. We are now booking orders for winners for the fall and winter shows, in Single Comb as well as the new Rose Comb White Orpingtons, on payment of a small deposit.

#### We have improved the White Orpingtons and we can improve your flock

A few bargains left in yearling breeders. "Poultry for Profit" gives the essentials of the poultry business. Price 25 cents. It contains no advertising. Our advertising is free for the asking.

**LAWRENCE JACKSON FARM**  
BOX A, HAYSVILLE, ALLEGHENY CO., PENNA.





gard to open meetings of the Executive Board. He says:

"I contemplate some one offering an amendment to the constitution covering the 'open-ness' of Executive Board meetings and under such circumstances THERE MUST BE EXCEPTIONS. It is altogether POSSIBLE that a question might be brought before the board the nature of which would absolutely prohibit the hearing of it being public. My position takes from the president the right of saying whether the meeting shall be open or not and leaves it with the Executive Board. If the A. P. A. cannot trust a majority of the Executive Board to do what is right, then it is in a bad fix."

There you have Mr. Hooper's position in the matter. We are entirely willing to withhold comment until we have an opportunity to read the contemplated amendment. We are glad to know that Mr. Hooper reads American Poultry Journal with "pleasure." Meanwhile we are permitted to wonder just what rights, privileges, and benefits, the officers of the A. P. A. are willing to allow the "buck private" in the rear ranks of the Association. Of course we get an expurgated edition of the "Proceedings." but what else do we get?

\* \* \*

Opinions differ. It would be unfortunate if they did not. It takes differences of opinion and some discontent to make progress possible. What an uncomfortable world this would be if everybody liked and wanted the same things. What a dull world, if we had no differences of opinion and no discussions. If there was no discontent and everybody was comfortably contented with his lot, where would the

incentive to work for better things come from? Differences in opinion have helped to better conditions in poultry husbandry and will continue to help. We want every man with common-sense ideas for poultry progress to come out of the bush and be heard, even if he does differ from some of the old timers. If you have a good thing, don't hide it. Come out with it and try to help your brother workers. Never mind if they do sniff and say it is no good. Keep plugging away at the thing you believe to be right, boost it whenever you can, and if you are right and can deliver the goods, you will find plenty of others to follow where you lead.

\* \* \*

At the last Boston Show a poultry editor said to us: "You carry that fresh-air business too far, altogether too far."

Mayhap, but we don't believe it. We doubt any likelihood of its being carried too far. The further we carry open-air poultry keeping and open-air living the better we like the results. We don't believe that we are likely to carry it too far and think that the probability is that we won't carry it far enough. Too often the error is committed on the side of caution. The tendency is to go slow, to be cautious and to take no chances. This is all the more the case because it costs money to make experiments. We are spending our own money (not bequests, appropriations or endowments) and we have to make the dollars count and yield a return. An experimenter might be tempted to take chances where it did not effect his bread and butter, but he will calculate his chances in experimental work very closely when

losses mean depletion of the family funds. Open-air living, in such degree as business and other duties permit, brings better health for the whole family and the saving of the cost and time lost in sickness. Open-air housing and care of poultry means better fowls, better yield, freedom from serious ailments, better fertility, better chicks and better profits. We have a few experiments in view for the coming year that we hope will indicate just how far open-air poultry keeping can be carried with profit here in the North. We have a notion that the present open-air house is only a beginning. H. H. Stoddard has found that in Texas fowls with no houses whatever prove more productive and profitable than housed fowls, just how far the cost of housing here, where the winters are severe, can be lessened, remains to be proved. Our outdoor flock in the pines without a house proved remarkable producers last summer. It wasn't convenient to have an outdoor flock this winter and the weather proved so mild that it was just as well, but we have a plan in mind for another winter that is a bit more radical than out present open house, will cost less for housing if it proves successful, and we hope to raise a special flock of open-air chicks for the purpose of this try-out. At the same time we shall keep in mind the old saying: Don't throw away money, it's valuable.

\* \* \*

"Nail the window open," is the latest slogan of those who are working for better understanding and appreciation of fresh open air. For health and vigor get all the sunshine and fresh air possible both winter and summer,

# REGAL MATING LIST



Crusader III, a Boston Winner

For the season of 1913 I have mated up twenty beautiful exhibition matings. These are all headed by my winning males at Boston and the New York State Fair and contain all my exhibition females. My birds are up-to-date, the kind that are winning today. My score at the Boston show was 72 points which was 12 points more than the combined scores of my 21 competitors. Upon my show-record and the utility qualities of my birds I base my claim that Regal White Wyandottes are the best in the world. I have refused many large offers for my prize winners and they are all in my breeding pens. My customers will have an opportunity of obtaining eggs from these—the champion White Wyandotte matings of the year. Hundreds of my egg customers last Spring were winners in the shows this Winter. I quote the following which I have permission to use:

Decatur, Illinois, Jan. 9, 1913—Dear Sir:—This is to advise you that the cockerel and pullet out of the last setting of eggs you sent me just finished in first place at the Illinois Show at Springfield, the cockerel taking champion, color and shape special and the pullet taking color special in the hottest class of Whites ever shown at the state show; over two hundred entries I believe and all classy stuff. I guess I got my money's worth and you can rest assured when I need stock or eggs John S. Martin gets the business.—Carl M. Bailey.

Price of eggs from pens 1 to 20, (as they run), \$5 per 15, \$9 per 30, \$12 per 45, \$24 per 100. Pens 5 to 12 are special matings. Eggs from special matings only (as they run), \$10 per 15, \$18 per 30, \$25 per 45, \$50 per 100. **Record Laying Pens**—Dorcas Line. Pens 21 to 25 are headed by males bred from females with high records. Some of these males also have exhibition records. The females in the six pens are composed of yearlings with trap-nest records from 180 to 224 and pullets of the same breeding. From these pens eggs are \$5 per 15, \$15 per 50, \$27 per 100, \$50 per 200. Utility matings of vigorous surplus stock, \$5 per 50, \$9 per 100, \$17 per 200, \$25 per 300, \$75 per 1000. 500 cocks, hens, cockerels and pullets for sale. **Special**—50 big, vigorous, stay-white Dorcas line cks., \$10, \$15, \$20 and \$25 each. Dorcas pullets, \$5, \$8 and \$10 each. Utility cks., \$3 and \$5 each.

## Boston, 1913:

Cocks 1-6  
Hens 1-4-5  
Cockerels 1-3-4  
Pullets 1-3-4  
Pens 2-3-4

## N. Y. State Fair, 1912:

Cocks 1-2-3-5  
Hens 1-2-3-4  
Cockerels 1-2-3-4-5  
Pullets 1-2-4-5  
Pens (young) 1-2-3-4  
Pens (old) 1-3-4-5

Send four cents in stamps for the Regal White Wyandotte book, the finest book ever published, dealing wholly with the White Wyandotte. FREE—20-page illustrated catalogue and mating list. It gives full description of my matings for 1913.

JOHN S. MARTIN :- BOX 51 :- PORT DOVER, CANADA



night and day. Get fresh air and sunshine into the blood and every cell in the body will respond refreshed and invigorated. An abundance of food is desirable. Hydro-carbonaceous food largely for the young. More albuminous food for the matured adult. Moderate exercise is desirable; exercise to the point of fatigue is not. Common sense application of these "hints" will bene-

during the Boston Show. Mr. Whitney joined the association in Connecticut and shortly after removed to Massachusetts. The officers of the Branch would not accept Mr. Whitney as a member and would not recognize any authority in the Secretary of American Poultry Association to determine the procedure in such cases. Personally, we don't believe the question would have been

lived for a time in New York State, but until we heard of Mr. Whitney's case we assumed that we hold membership in the Massachusetts Branch. On this subject Secretary Campbell writes us as follows:

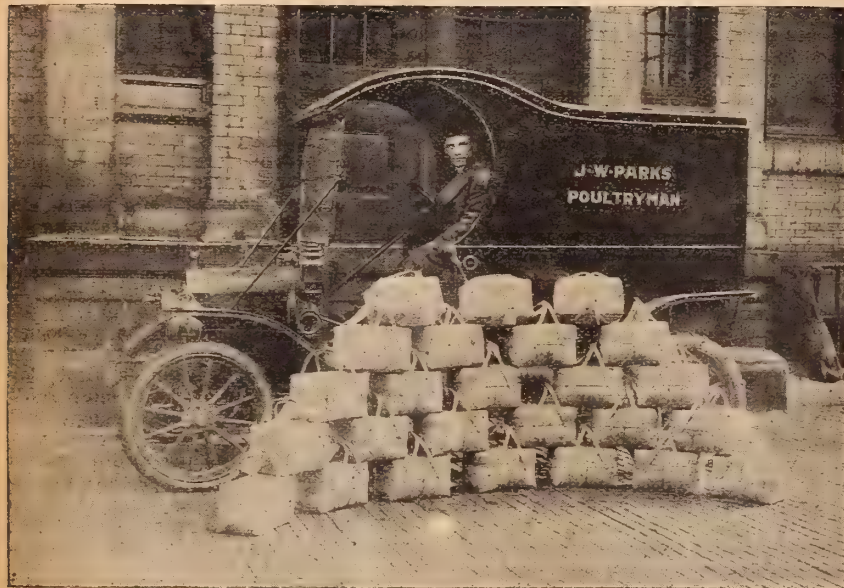
"Life membership in the American Poultry Association entitles members to the privileges of membership for life regardless of the place of residence. If you were to move to Australia, you would still be a member.

"We are informed that one of the A. P. A. members is of the opinion that a member must not be accepted by the Branch in whose territory he resides. A case was referred to the President of the A. P. A., Mr. Reese V. Hicks, of Topeka, Kansas, by the Election Commissioner of the Indiana Branch, as to whether or not all members residing in Indiana were entitled to vote. This included members that had removed to Indiana from other states. The President ruled that they were.

"The parent body votes on applications for membership. Therefore the parent body accepts or rejects the applicant. The branches through their representatives (the Presidents, who are members of the Executive Board) vote on all applications for membership. When an applicant has been elected he is entitled to all rights and benefits of the Association. So long as he is a member in good standing he cannot be denied these privileges until charges have been preferred against him and he has been found guilty of conduct unbecoming a member. He may then be suspended or expelled.

"You are a member of the Massachusetts Branch, becoming so without any action on the part of the Branch. All that is necessary for a member to do when he removes from one State Branch to another is to notify the Secretary and furnish him his former and present address. The Secretary makes the change on the records and the member is entitled to all rights of the Branch in which he claims his residence."

Clearly it is Secretary Campbell's opinion that Branch officers cannot rule a member of the A. P. A. out of membership in the Branch when he resides



#### THE POSSIBILITIES OF PARCEL POST

Are sure stamped upon the above photograph. When the new parcel post bill was put into effect the first of the year there was very few but what thought that it would be of any relief or advantage to the poultry industry, but when a breeder sends in a photo like the above of a single shipment to one customer, and at that over 4,000 miles away, consisting of 475 eggs, it sure looks as though one of the open links has been closed that puts the poultry industry one more to the good. Just think of the advantage to the many thousands of breeders that live on rural free delivery routes, some as far as 10 miles from the express office, that were kept out of the field alone by the great distance they would have to go for their eggs. The above shipment was made by J. W. Parks, the Bred to Lay Barred Plymouth Rock breeder at Altoona, Pa., on Feb. 10th, to a customer in Cowichan Station, B. C., Canada. Mr. Parks reports he has been very well impressed by the parcels post, and has issued a leaflet entitled "The Mail Route to Poultrydom," sent free.

fit yourself, your family and your flocks.

\* \* \*

In February number we referred to the case of C. W. Whitney, editor of Profitable Poultry of Boston, who was refused recognition as a member of the Massachusetts Branch of American Poultry Association at a meeting held

raised if it had not been for the fact that Mr. Whitney was understood to be an aspirant for office in the Branch. Nevertheless we have an interest in the matter as a decision against Mr. Whitney establishes a precedent that effects any other member who moves from one state to another. Since joining the A. P. A. in Massachusetts, we



Pen of Prize Winners

My display of 40 male birds was the attraction of the great Chicago Show, December 12 to 17, 1912

## RUDY'S PERFECTION WHITE WYANDOTTES

SUPERIOR TO OTHERS THE ACME OF PERFECTION

### Eggs for Hatching

Get the best you can for your money. Don't buy eggs from questionable stock. They may be somewhat cheaper, but the outcome of the hatch will look the part.

Rudy's Perfection Wyandottes are known all over the country as the peer of the Wyandotte.

Get my mating list—free for the asking—and see the reasonable prices at which you can buy eggs from the Grandest Matings obtainable.

If you want to know all about breeding White Wyandottes, send for my Art Catalog. Absolutely the best book of its kind. Gives full information on how to succeed, how to take care of baby chicks, what to do when your fowls are sick. An article on how to fit birds for the show room is worth dollars to any breeder. Send 10c in stamps to help pay cost of mailing, etc.

Geo. H. Rudy, R. 15, Mattoon, Ill.



in the territory of the Branch. Yet that is what happened in Mr. Whitney's case last January, although at that time his address in the printed "Proceedings" of the A. P. A. for 1912, was given as Southboro, Mass., and it is apparent that, (if Secretary Campbell is right) he was a member of Massachusetts Branch without any action of the Branch and had been so recognized by the parent body. It would seem advisable for the Association to provide a law in such cases.

\* \* \*

Atlantic City is making a strong bid

There seems to be conflicting reports concerning the candidacy of E. E. Richards for office of president of the A. P. A. At the New York Show it was stated positively that Mr. Richards would not run. Since then we have been told on good authority that his friends will make a powerful effort to elect him. We have at present writing, no report from Iowa on this subject.

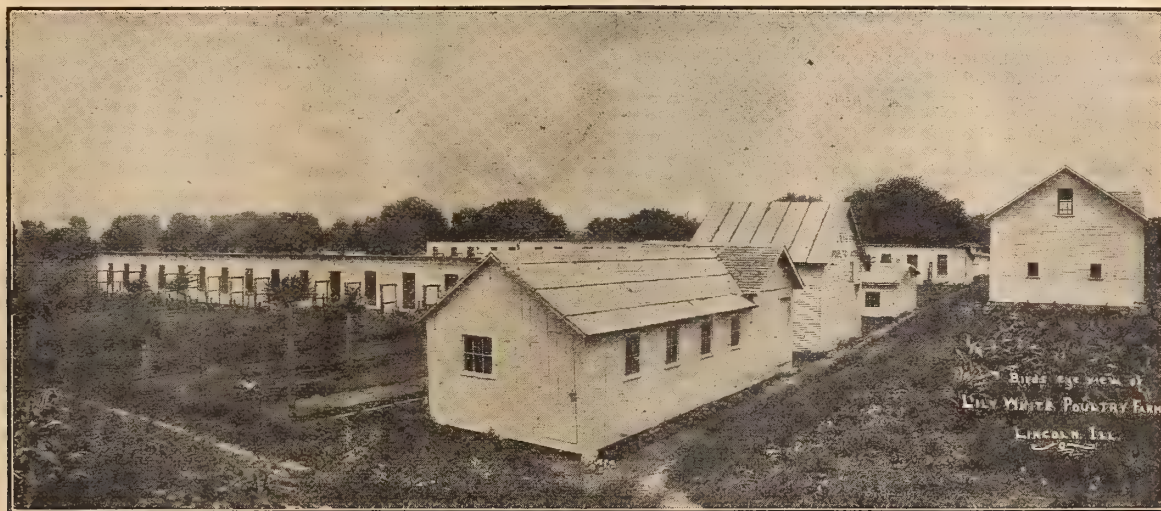
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The friends of E. B. Thompson, of Amenia, N. Y., are making a strong fight to land him as next president of the A. P. A. and personally we believe

the Board job go out of the family just at this time, even though the anti-Curtis faction claim that the family has had a sufficient helping of the Executive Board perquisites to last for some time, and it might be well to find someone outside the family.

\* \* \*

One of the latest aspirants for a place on the Executive Board is one of Mr. Curtis' department editors, our friendly dusty miller D. Lincoln Orr, Orrs Mills, N. Y. "Link" says he has only recently made up his mind that the members want him, but the paramount issue



Partial View of the Lily White Poultry Yards, Lincoln, Ill.

for the next meeting of the A. P. A. and there is no doubt that if it gets the convention there will be "something didding" every minute. Just think, though, what ten days or more in Atlantic City will do to a perfectly good bank account. We had rather take a chance in August on Chicago or Boston as a meeting place. Either city would undoubtedly allow more real comfort and a smaller expense account.

he would make a mighty good president. Mr. Thompson has had some thirty years or more experience as a fancier and breeder and he ranks among America's foremost progressive poultry fanciers.

\* \* \*

Our old friend "Will" Denny is looking for a chance to step into papa Curtis' shoes on the Executive Board. Of course it would be a shame to let

is that he wants a free trip to Frisco in 1915. Well, "Link" is a good fellow and a hustler. The A. P. A. might go much farther and fare worse. No one is likely to accuse Mr. Orr of being "a man of straw," he isn't built that way.

\* \* \*

Although there are other good men seeking the office we should be sorry to see Secretary S. T. Campbell lose in



FIRST PULLET AT TOPEKA, KANSAS, DEC. 1911

## KEELER'S WHITE WYANDOTTES

### The Aristocrats of the White Wyandotte World

They combine size, shape, style, head points and, above all, the power of reproduction, having been line and pedigree bred for the last nineteen years. They possess the best blood lines in existence.

### The World's Greatest Strain

Of the world's best breed. This strain has established more successful breeders than any other strain. This strain produces a larger per cent of high class birds than any other. Have produced the winners at America's leading shows for the past nineteen years, i. e., Chicago, Kansas City, Indianapolis, Cleveland, St. Louis World's Fair, New Orleans, Denver, Los Angeles, etc. The strain that you must have to be successful. Better buy them first as last. Start right by starting with Keeler birds.

### EGGS EGGS EGGS EGGS EGGS EGGS ETC.

For the season of 1913 I have made sixteen of the grandest matings that have ever graced Keelersville. They contain most of my prize winners at Topeka, Kansas, December, 1911-12, and the best birds raised the past three years. Sons and daughters of these great birds. They are bred right and mated right to produce the winners at America's largest and best shows next season the same as they have done in the past. My 60-page 1913 art catalogue of America's finest White Wyandottes, describing the sixteen best matings in America, free for the asking (stamps accepted). Eggs, \$5 per 15, \$9 per 30, \$14 per 50, \$25 per 100. Eggs from special matings, \$10, \$15 and \$20 per 15. 500 cocks, hens, cockerels and pullets in selected breeders at from \$15 to \$150 a pen. State your wants clearly and address, mentioning American Poultry Journal.

Keelersville, Chas. V. Keeler Proprietor R. 11, Winamac, Ind.  
and Mgr.



the coming election. In a position like that of secretary, experience counts. A good secretary can well be held in office as long as he is able to do the work in a satisfactory manner and if he is a good secretary his work should improve each year. We believe that Mr. Campbell is much more valuable to the association now than he has ever been and it would be a wise policy to return him to office. He has done good work and is capable of doing still better work.

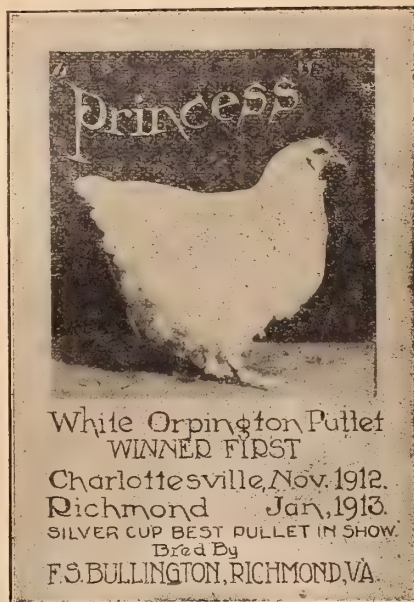
\* \* \*

E. J. W. Dietz, of Chicago, gave a talk on poultry advertising before the students in the poultry short course at Kingston, R. I., recently and was very well received. The students were very much interested and asked many questions, keeping the speaker on the floor for an hour and a half.

\* \* \*

E. B. Thompson writes us that he built a Woods' open-air poultry house in 1911 and liked it so well that he built an addition, making the house 120 feet long. It is well built on a concrete foundation and he says that it has many admirers as it makes a very attractive and practical house giving outdoor conditions with indoor protection. The floor is dirt, covered with straw. In this house there is a tight board partition every 20 ft. and a board and wire partition divides each 20 ft. section into pens 10 ft. wide. This gives a very satisfactory 12 pen house. The stud of this house is a little higher than that recommended in the plans published for the Woods' house as Mr. Thompson objects to taking a chance of head bumping on low roofs, and he tells us that in his new house a visitor

with a stove-pipe hat need have no fear. We'll wager that there are some mighty good "Ringlet" Barred Rocks in the house. The Woods' house is winning many friends. Please don't write to us for plans. They are given in sufficient detail in the book "Open-Air Poultry Houses for All Climates,"



which may be had of A. P. J. Chicago office.

\* \* \*

H. H. Stoddard in this issue answers the old question "Which was first, the hen or the egg?" Now you have the

answer, are you not surprised that you did not solve the old riddle yourself? Mr. Stoddard, by the way, is to tell us many things of interest that have been done on the Texas Experimental Farm of A. P. J. in coming issues of the Journal. A short time ago a certain gentleman took us to task for "letting" H. H. Stoddard say a certain thing in A. P. J. Bless us! We intend to let him tell the truth as he sees it. Stoddard's articles are carefully written and are carefully edited before they go to the printer. He has had more years of practical experience with poultry than any man we know of and he is a man of unusual mentality, with power to see into things, reason them out, get at the facts and teach what he learns. He has devoted a lifetime of study to poultry and is entitled to have an opportunity to "go on record" in such matters as he deems worth while. Mr. Stoddard is to tell our readers what he believes to be essential truths in poultry matters. It would be a queer world if different folks did not see things differently at times. Honest differences of opinion help us to get ahead and to see things more clearly. We try to edit A. P. J. in the best interests of its subscribers and readers and when H. H. Stoddard believes he has a helpful message for them, we intend to print it even if it does happen to squeeze the corns of the man with "an axe to grind."

#### A CORRECTION.

In our last issue of the Supplement we gave the Iowa Farms credit for winning first cockerel at Springfield. This should have read "cock" instead.

# Byers' Strain Orpingtons

## BUFF, BLACK, PEARL-WHITE

If you don't know of me and my responsibility, ask the Editor of this Journal. Then get my 1913 Catalog.

I have Won at the largest Shows past 14 years in Orpingtons; Have judged them from New York to Los Angeles; Bred them that Won yearly from Coast to Coast. EGGS from the best Special Matings possible \$10 per 15, \$18 per 30, \$50 per 100. (Infertiles replaced free.) Utility Eggs, \$15 per 100; \$60 in lots of 500.

Now, I will wager that Eggs purchased from my Special Matings at the above prices will produce more high-grade birds than Eggs purchased elsewhere at the same or a higher price—number of chicks reared considered. Moreover, I am going to guarantee to please every reasonable customer who purchases Eggs from me this season. I do not mean to infer that there are not other good birds in the country, but I do assert that the Eggs I WILL DELIVER at my price will produce more high-grade specimens than those purchased elsewhere, as above mentioned.

There are many choice birds in the yards of breeders, but the fellow who owns them without the knowledge of properly mating them handicaps himself, as well as his customer, although he may maintain and believe that he is right. I have gradually, by scientific experience and research, developed an exceptional and indispensable knowledge along this line. That's why I have been urged to place the Orpington awards at the largest Shows of our Country. But I am not in the judging business. My business is to breed one breed right and furnish Orpingtons and Eggs of the highest grade and at attractive values consistent with their blood lines and Standard qualities, and I have been doing it for 14 years, and I will be at your service in this capacity for years to come. In view of the above I am going to merit your patronage, if I get it.



BUFF



WHITE



BLACK

Read This Again

**C. S. BYERS, HAZELRIGG, IND.**



# American Poultry Journal Experimental Station

Dr. Prince T. Woods, Director

## WANTED—AN EGG CASE.

AMERICAN POULTRY JOURNAL Experiment Station wants a strong, practical, serviceable market egg case. One that is "returnable" and will stand a good many trips without extensive repairs.

We have tried half a dozen makes of returnable cases and as many more sorts of the non-returnable kind. We have not yet found one that is really satisfactory and have found only one that is at all well built and durable. The nearest approach to a satisfactory returnable 30-dozen egg case we have found so far is Breck's New England

Egg Case. This is well made and built out of good material, but it lacks one inch of being deep enough. Also, it carries 300 square inches of advertising for the manufacturer on the ends, where the owner of the case should have his name and address.

Just why the maker of an egg case should use the cases for big display ads does not appear. Customers would complain if they found such advertising on other goods. With one exception every returnable case we have examined to date carries a big ad of the manufacturer on it in a space that the owner ought to be able to use. We want our egg cases free from manufacturers' advertising,

for if we are to use the cases to ship our own eggs, we want our own advertisement thereon.

Other cases which we have tried are not well made and are only about half nailed together. They are all scant in depth. Some are so badly put together that there are wide cracks where the boards match. In some, hard wood is used which cracks easily. In others the wood is too thin. Weak hinges and poor fastenings, insecurely put on are other faults. The hinges and fastenings ought to be put on with rivets and steel washers. In some cases they are simply nailed on and the nail clinched on the other side of the board. This comes loose in one or two trips and leaves the wood in need of repair.

Dealers and commission men request egg shippers to: "Have your name and address on the end of each case. Have packing on bottom and tops of cases." There is a reason for this. The name on ends of cases makes them easy of identification when empties are stacked in a store room and helps toward getting the cases back to the shipper. Packing on bottoms and tops of cases is necessary and helps to prevent breakage and loss. The tops and bottoms of egg cases are most liable to damaging blows.

Now the manufacturer makes it impossible for the shipper to get his name and address on the ends, because the maker has already appropriated this space with a big ad for himself. The case is not made deep enough to take packing on top and bottom and hold 30 dozen good sized eggs.

We want an egg case made of 5/8 in. clear white pine lumber. The inside measurements should be two compart-

## WOZELMA FARMS' EGGS — HATCH STRONG CHICKS THAT THRIVE —

All range-bred, open-air housed, heavy-laying utility stock, bred by specialists in utility values. The kind that produce and pay. Three varieties: **White Plymouth Rocks, S. C. Rhode Island Reds and Buff Wyandottes.**

### No Better Layers on Earth

Eggs for Hatching Ready Now. Prices, \$2 per 15, \$3.50 per 30, \$5 per 45, \$10 per 100. Cash must accompany all orders. We have no circular or catalog for you to pay for; the value is all in the eggs. Order direct from this ad.

## WOZELMA FARMS PRODUCING COMPANY

DR. P. T. WOODS, Pres. and Gen. Manager. JOHN E. ZELLER, Treasurer

LOCK BOX 4

---

SILVER LAKE, MASS.

## HIP! HIP!! HOORAY!!!

CHICAGO WINNERS ☐ PITTSBURG WINNERS ☐ AMERICAN ROYAL WINNERS ☐ INDIANAPOLIS WINNERS



PRINCE MANYBAR II.

And Winners in Forty-four (44) other shows in the U. S. this past season were hatched out of Aristocrat eggs.

Special Sale of Highest Quality Pullet Bred Cockerels Now Going On—Write

### THINK THIS OVER.

Is not this a simply phenomenal record? Such eggs I am sending out to my customers in all parts of America at \$10.00 per 15, and guarantee eight strongly fertile eggs to each setting. Does this look good? Do you—you who are reading this—do you want to raise such Barred Plymouth Rocks? Then send \$2.50 per setting right now and have your order booked for delivery when you want to set the eggs. The balance you may send just before I ship the eggs to you.

W. D. HOLTERMAN, FANCIER : BOX A : FORT WAYNE, INDIANA



ments, each 12x12 inches and 13½ inches deep with a ½ pine partition between compartments. We want it made of soft white pine because this wood stands repeated trips better than harder woods. The ends of the case should be reinforced with straps or cleats at top and bottom to prevent ends splitting out. Top cleat should have a smooth hand hole. Case ought to be put together with cement coated nails which stick and don't pull out. There is a chance for improvement in fastenings. One of the best we have seen is the spring fastening known as "Atwood's patent" if it is put on with rivets and wide steel washers. It is not a lock fastening and it is useless when put on with nails only. We would prefer a lock fastening for top of case. Tops of cases should swing on hinges that are strong, well put on and permit the lid to swing freely and drop back to side of case. Some of them are flimsy and some of them bind in the hinge. The lids should be protected with thin inside cleats.

We will be glad to have information concerning a returnable 30 dozen egg case that will fill these requirements, or to have a sample case.

#### Tested and Found Good.

Following are listed a few things that are due for report this month and which have been tested at American Poultry Journal Experiment Station:

Just because anything is reported herein as good does not mean that there are not other similar things that are just as good. It simply means that we have tested the article and found it good after a sufficiently long trial to form an opinion of its merits. Don't ask us to endorse anything as best. We can only approve of it as good if it is good, and it will have to prove good on one of the A. P. J. experimental farms before we will report it as good. This department began in January, 1913, American Poultry Journal. Unless there is special reason for doing so we do not intend to report on the same article more than once, therefore keep your lists for reference. No favors are asked and none will be granted. Any poultry equipment, supplies, foods or remedies may be tested when opportunity offers. We do not promise published reports except when the articles are found sufficiently good to warrant recommendation in these columns, or

when sufficiently bad to warn poultrymen against them. We do not solicit articles for test or trial. Donated goods if sent freight or express prepaid to the Director of American Poultry Journal Experiment Station, Plympton, Mass., or by mail to Silver Lake, Mass., will receive the same careful consideration as goods purchased for test. That is all we promise and no concessions will be made to anyone on account of any favors.

#### Equipment.

Gasoline Engine. Root and Van Dervoort Engineering Co., East Moline, Ill. Rated horse power 7; r. p. m. 320. In use three months. A satisfactory engine for a farm or poultry plant. Develops more than rated horse power. Carries a full load easily and is economical to operate. Runs a grinding mill and mixer at same time and could easily carry green food cutter or grain cleaner on same shaft at same time.

Grinding Mill. No. 40 Stover Grind-er. The Stover Manufacturing Company, Freeport, Ill. Listed to run with 6 to 12 horse power; 7 h. p. engine named above carries it easily. Grinds with one set of plates quickly adjusted, corn on cob or any grain. Makes fine table meal, coarse flour, chick food, cracked corn, oat chop, barley meal or buckwheat flour. We have had satisfactory results in grinding for table use and for poultry.

Grinding Mill. No. 750 Enterprise Mill, Enterprise Manufacturing Company, Philadelphia, Pa. Hand power. In use one year. Will crack corn and grind chick food. Also will grind dry bone and oyster shells. Requires abundant "elbow grease," but is a good practical hand power mill. One set of burrs easily adjusted.

Tool Grinder. Pike Peerless Jr. Grind-er, Pike Manufacturing Company, Pike, N. H. A hand power, high speed grinding wheel for sharp tools, hatchets and axes. Convenient and practical.

Acme Tank Pump. A horizontal cylinder pump with hose equipment, Sears, Roebuck & Co., Chicago, Ill. Five-inch cylinder, 5-inch stroke, 2-inch intake and either 2 or 1-inch discharge. A practical low cost pump for poultry plant use.

Combination Bench Vise. Jos. Beck & Sons, Boston, Mass. Combines vise, drill, pipe vise and anvil. A very handy low cost practical outfit.

Power Feed Mixer. No. 3 Afton Farms Feed Mixer, Yardley Manufacturing Company, Yardley, Pa. Requires 2 to 3 horse power and runs at low speed. In use two months. Capacity about 300 pounds of grain at one mixing. A good low priced mixer. Would like to have one a little heavier built and more heavily stayed to stiffen it. This mixer sells at about one-fifth of the cost of the heavy dough mixers made for bakers and sometimes sold for poultrymen's use.

#### Condiments and Remedies.

French's Poultry Mustard. The R. T. French Company, Rochester, N. Y. One hundred pounds sent for test. In use three months. Trial not complete and more detailed report will be made later. Proportion used in mash: Began at one pound with 300 pounds of dry mash; test flocks now getting 2 pounds in 300 pounds of dry mash. It is apparently a good condiment for a conditioner and adds relish to mash. Appetite improved. Check in egg yield during first week of feeding. This was followed by gain in number of pullets coming into laying and gradual increase in daily yield. No apparent ill effects. Final report reserved until close of one year's use.

Germifuge. J. H. Petherbridge, Mt. Airy, Philadelphia, Pa. A non-poisonous ointment of eucalyptus, pine tar, camphor and peppermint prepared with petroleum jelly. One pound sent for test. Trials made on several plants. A good antiseptic dressing and healing application for parasitical troubles. Found useful in favus, sore head, white comb, scaly leg and depluming mites. Good for use on frozen and frosted combs. Also recommended for internal use in parasitic and germ diseases. No opportunity for test of internal use has presented itself to date.

Scaly Leg Ointment. Otto E. Hachman, 2332 Reynolds St., Fort Wayne, Ind. One ounce with formula sent for test. Effective in treatment of scaly leg.

Several other remedies have been received for trial, but no opportunity has presented itself to make a test of them. These, if found worthy, will be reported later. Manufacturers will oblige us and facilitate test if they will furnish general formula of their product when sending same for trial. This is not wanted for publication.

## Pardonner's S. C. R. I. Reds

Eggs for Hatching—My birds have won in strong competition this past season, winning with something to spare. If you want something with class that will prove winners next year, I can furnish them. Prices on eggs and show records will be mailed on application. Satisfaction guaranteed. Have a few cockerels to sell.

W. A. PARDONNER

R. F. D. NO. 1

INGOMAR, OHIO

## FAIRVIEW WHITE ROCKS

Sweepstakes Champions at Chicago, Indianapolis, Louisville and Memphis, and Winners in the Louisville Evening Post Egg Laying Contest. Just Think of It! In eighteen shows in which they have been entered since 1908, in competition with birds from all our biggest breeders, shown either by their customers or by the breeders themselves, "Fairview" White Rocks won more firsts than all competitors combined. At the last Chicago Show, competing with Owen Farms and others, they won 1st and 3rd pen, 5th cockerel and 1st and Grand Championship on hen. This is the second time this season I have had Owen Farms as a competitor and each time "Fairview" White Rocks have held their own. If you want to know more about these phenomenal winners, send ten cents for beautiful illustrated catalogue. Mating list giving description of the finest lot of matings ever put together, free for the asking. Eggs \$3, \$5, \$10, \$15, \$20, \$25 and \$30 per 15. Order at once.

Guy Daily : Box A : Jeffersonville, Ind.



# Notes from the Southwest

Conducted by H. H. Stoddard, Riviera, Texas

## STORRS' CONTEST AND SUNDRIES.

A PART OF THE REPORT of the Storrs Agricultural Experiment Station, jointly with the Philadelphia North American, made by Wm. F. Kirkpatrick, has appeared.

Poultrymen have eagerly awaited this delayed report. Naturally, after scanning the comparative rank of the leading breeds, one turns to methods of feeding which were as follows:

"All pens were fed and handled in the same general way. A well-known automatic feeder was used for the grain, and a simple dry mash receptacle was especially designed for the purpose. Mash, as well as grit, shell and charcoal, was kept continually before the birds, but it was necessary to close the grain feeder a part of the time, especially during the long days of summer. This daily attention to the hoppers would probably be unnecessary in larger flocks. Succulent food consisted of apples and Mangel Wurtzel beets for a short time in the early part of the winter, and of tender green cut corn for a little while in summer, when natural green food was not available in the yards. The principal succulent food was dried beet pulp which was fed separately; that is to say, it was not incorporated in the mash. The pulp was soaked in water (usually warm) for about an hour just prior to being fed,

which process increased its weight from four to five times; it consisted, when dry, of approximately 8 per cent of the mash, by weight. In may be added in this connection that the beet pulp can be economically stored, and may be kept more or less indefinitely, and in consequence was very convenient. We cannot, at this time, present any really experimental evidence of its value, but can say that it seemed entirely satisfactory. It is, of course, not claimed that these formulas are the best, but it is thought that the egg records already submitted will substantiate the belief that the following rations have given excellent results:

### Dry Mash.

	Pounds
Coarse wheat bran .....	200
Corn meal .....	100
Gluten feed .....	100
Ground oats .....	100
Standard middlings .....	75
Fish scrap .....	30
Beef scrap .....	30
Low-grade flour .....	25

### Scratch Grain.

	Pounds
Cracked corn .....	60
Wheat .....	60
Heavy white oats .....	40
Barley .....	20
Kafir corn .....	10
Buckwheat .....	10
Coarse beef scrap .....	10

Wm. F. Kirkpatrick.

## Horror of Corn.

It is to laugh at the horror of corn manifested by the authors of this feed list. The mash "kept constantly before the birds" had only 100 pounds of corn against 560 pounds of bran, middlings, etc. And when we turn to the scratch grain, dispensed by machinery, we find that the cracked corn, reinforced by the Kafir corn (much like it in carbonaceous content), is only 70 pounds, against 140 pounds of other things. Worse and more of it, in order to get at the corn, birds had to scatter, and either eat or waste, a quantity of essentially the same elements which they had before them all the time profusely in the mash! To make matters still worse, the supply of corn and other grains was "turned off" part of the time!

What sort of a balanced ration do you call that, anyhow? Had whole corn or corn meal been before them all the time, and kept separate, everybody who understands fowl nature knows that they would have eaten a much greater quantity of carbonaceous stuff than they were allowed to at Storrs.

The theory of the ration-makers plainly was that fowls know enough to eat all the proteineous elements they need, and then stop, but cannot be trusted to eat all the carbonaceous matter they need, and then stop. That though the feeding grounds of innumerable species of wild birds supply them with food partly or highly proteineous, and also

**EGG PRODUCERS—If you want eggs buy Fishel's White Ply. Rocks**

# BABY CHICKS

From strictly free range stock hatched by the latest improved scientific methods, backed by years of experience with incubators, from the following varieties: S. C. White Leghorns, Buff Leghorns, S. C. Anconas, White Plymouth Rocks, Barred Rocks, White Orpingtons, Black Orpingtons, Black Minorcas, S. C. R. I. Reds, White Wyandottes. Remember we have the largest equipped poultry plant in the middle west. Can supply chicks in any quantities guaranteeing safe arrival. Send stamp for catalogue describing how we feed and raise thousands of chicks. All orders booked in rotation.

**Miami Poultry Yards, Jas. C. Cummins, Mgr., R. 2, Trenton, Ohio**



A WONDERFUL WINNING AT CHICAGO 912

## R. AND S. C. BLACK MINORCAS AND R. C. BROWN LEGHORNS



Six firsts, seven seconds, three thirds, one fourth and three fifths. We are offering 1,000 breeders and show birds from the above winners, birds that are showing wonderful type, color and vitality. No matter what you are wanting in the above we have it. Remember when you order from us you

are getting birds from the largest breeders of these three varieties in the world. Our forty breeding pens are now mated, containing all of our winners, and we can supply EGGS and DAY-OLD chicks in any number. We have a special proposition that we will be glad to offer every honest person interested in poultry, and in buying from us all the cash is not necessary. Mating list free. Our big catalogue and poultry book will be mailed for five red stamps. Mention American Poultry Journal.

**Edgemont Poultry Farm, W. O. Chase, Box, B Hillsboro, Illinois**



other food partly or highly carbonaceous, and they know how to select for themselves, yet domestic birds do not know. Some wild flesh-eating birds eat other birds, or fish, or quadrupeds, containing masses—yea, "great gobs"—of fat. We never knew them to be made sick or unthrifty thereby. Some of the seeds eaten by various birds and quadrupeds are exceedingly oily. Guess these animals hunt for some other food when they have eaten enough such stuff. Or, reader, now, candidly, do you think they need a boss?

"But our fowls are domesticated," some one may say. To which the reply is that though, for instance, domestication, by causing disuse of the wings, might naturally modify these organs, as Darwin says, and so in regard to other comparatively non-essential things, what reason under the sun can be conceived why the extremely important faculty of selecting food should be changed? Why, it would seem that the ability to choose the proper kind of food was a very fundamental necessity for any animal, and one of the last to be dropped, or even modified very much. Had not nature furnished a guide, animals, wild or tame, and we ourselves, would be everlastingly eating injurious or, at any rate, unsuitable things.

#### No Plant Is So Lowly.

A bird, with its wonderful organization and many surprising faculties, is immeasurably higher in the scale of living things than anything in the vegetable kingdom; yet no plant is so lowly that it cannot select its food from a soil where many substances are mingled. The ability of an animal to discriminate regarding the kinds of food is no more wonderful than the demand for food itself—in other words, the sensation of hunger—which arises and then again subsides as directed by nerve vibrations as marvelous as the movements of planets and suns.

What an anomaly and how suicidal a process that would be which should telegraph from the digestive organs that something was needed down there, but could not tell what in thunder it was!

If my position is correct, then it may be asked how so many poultry writers could be mistaken so many years. Well, the majority is always wrong for a long time—sometimes for hundreds of years and sometimes for thousands; then a few get over on the other side,

and after a while nearly all join them. For sixty years, maybe, or more, a great country, in the highest state of civilization ever known, its form of government and everything else considered, and a country especially prominent in industrial inventions, carted coal to the consumer, the driver "hollered whoa!" and proceeded to shovel it into baskets, to be carried to a cellar by main strength and awkwardness! Millions of tons of it. Thousands of people in big cities have looked on! Why under the sun, moon and stars was it not sooner discovered that a simple contrivance attached to the vehicle would deliver the coal by gravity, while the driver smoked the pipe of peace and contentment?

Such a state of affairs is simply astonishing. All those years, inventions were going on—so marvelous, some of them, that they were previously past imagination; and yet millions of people have apathetically witnessed that waste on a large scale of time and human muscle.

#### Made Fools of Ourselves.

It is just that way over and over again. Our crowd have made fools of ourselves many a year on various poultry matters, before getting our eyes open. We might be more ashamed of ourselves than we are, were there not an innumerable number of fellow-citizens in other fields who were behaving just as badly.

Keep in mind that the poultry business in all its branches is in its infancy. A lusty, bouncing infant, for sure, but very young.

\* \* \*

In addition to labor saving by means of locating where soil and climate are favorable, and markets are near, and also where natural resources, like never-failing running water or ponds, are available, and by a proper fundamental plan being adopted, and every possible good mechanical contrivance used, a very great labor saving can be made by simply operating on a large scale.

If there is a great deal of a particular kind of work to be done, many methods and fixtures can be employed that would be out of the question in small establishments, and on top of all the rest, supplies can be bought by the carload and poultry products sold at a corresponding advantage.

For an illustration, take the matter of green fodder. It is only very re-

cently that it has been the widely accepted doctrine that birds, young and old, should have a large—and a very large—quantity of greens.

It has for a long time been recognized that geese are strictly grazing animals, like horses or cattle, as may be seen here, where large flocks of wild geese leave the water and spread out to feed on the grass of the cattle ranches, which springs up fresh and tender in response to winter rains—a reminder to them of their summer home in what is now the frozen north. But it has not been sufficiently recognized to what an extent hens are grazing animals, too, and that if greens of tempting kinds are supplied, they will make them one of the main sources of their living, instead of a mere relish or for the medical purpose of preventing scurvy, or, if not really scurvy, at least a partly scorbutic condition.

So important is green food that when an attractive sort is offered them, like rape or beets, and all they will eat, the grain consumed is diminished almost one-half, apparently, though careful statistics on this point would be worth much. Every important matter, like this, should be officially brought right down to figures.

Anyway, in California one man who has 4,000 layers, and a corresponding number of immature birds, has fifteen acres out of his twenty-five acres in kale.

Now I come to the labor-saving part.

In case the green stuff is harvested, carted, cut finely, and then fed, there will be considerable work about it at the best, and there may be even more work than in supplying all the other kinds of food put together. The best way is to dodge labor by using fields fenced with poultry netting, raising your crop to the correct age of good size, combined with tenderness, then turning birds therein. I said the best way, but meant the best way if circumstances allow. Sometimes greens must be cut for both young and old, owing to lack of room for rotating from one field to another, and in any event there should be quite a large quantity handled for chicks not old enough to pluck it for themselves to full advantage.

There is nothing that better shows the economy of operating on a large scale, than handling green stuff.

And sometimes cases alter circum-

## PERKINS' PARTRIDGE PLYMOUTH ROCKS

EGGS FOR HATCHING—20 BENS MATED FOR THE TRADE 3 pens, \$40; 2 pens, \$30; 1 pen, \$10; 6 pens, \$5; range flock, \$3 per setting.

Beautiful mating list containing colored insert of pair of fowls free.

F. N. PERKINS

22 HARLEM ROAD

FREEPORT, ILLINOIS

## "TWO OF A KIND"

TWO

OPEN AIR HOVERS

Nature AND Close-to-Nature

Bird life demands open air—Close-To-Nature Brooders give it. Contact warmth like the old hen—plenty fresh air—no overcrowding. Give chicks these three things and raise every chick in flocks of 100 to 300. It is natural for chicks to get their warmth by coming in contact with a warm body. Habit and heredity for several thousand years have made this the case. But hot air or furnace is not natural. It dries out, weakens and kills. Chicks in Close-To-Nature Brooders nestle their backs against a warm body that perfectly stimulates the broody hen. The Close-To-Nature Brooders have a very long, narrow hover which allows large flocks with no congestion. Such hovers are not possible except with contact heat. For raising chicks in cold weather, the Close-To-Nature Brooders and Hovers excel. Send for free catalogue.

CLOSE-TO NATURE COMPANY : 38 FRONT STREET : COLFAX, IOWA



stances. A neighbor converted to the idea of feeding greens liberally to yarded layers and small chicks, has so few birds that he cuts rape near the ground with his pocket knife. It soon springs up again, fresh and tender, ready for another cutting. He keeps it straight, butts together, and makes up a bunch which when clasped firmly together with his left hand is a little smaller than his wrist, and with keen knife in his right hand cuts across the bunch making very small shreds for chicks just hatched, and coarser and coarser for older ones, till the laying birds are reached, who are content with bits the size of kernels of corn. This is a very good way when there are but few birds.

Next let us imagine our friend's flock the coming year, when it will be larger. The pocket knife no longer but a corn knife with straight blade fifteen inches long. This for cutting the rape in the field, whether in drills or in broadcast, to be taken away in wheel-barrow and then chopped on block or plank using the same corn knife.

A larger flock still, and a scythe and rake are substituted in the field, and a wheelbarrow on the hay-rack principle to hold a huge load, or perhaps a one-horse wagon, conveys the crop to a regular cutting machine operated by the owner's good right arm.

The time comes when a mowing machine cuts the crop and a horse rake gathers it in wind rows and piles, it is loaded at the rate of a ton or more on a specially contrived wagon, its upper work made for a convenient delivery to a large cutting machine run by an engine. The cutter is a self-feeded, and has an endless carrier which drops the cut-stuff into a wagon which takes liberal allowances of vegetables, living cells to all the flocks.

#### The Labor Saving.

The labor saving on green stuff the large establishment makes, as compared with the small one, is perhaps fifty to one, or maybe as one hundred or more to one.

If the pasturage plan is followed, then the larger the ranch the larger and more effective the equipment for plowing and seeding, and if the crop is in drills, for cultivating too, either by mule power or traction engine.

Movable fences, of the best, can be adopted to shrink or enlarge the pastures as needed, and sometimes, when the growth gets ahead of the birds, cutting by auto power can be resorted to, thus keeping the crop from becoming rank and tough. And, by the way, the best thing to hold movable fences in place is a row of corn well fertilized and tended so that the stalks may be tall and sturdy. Attach your poultry fence to these and you will need no posts. Simply shift your wire fence to another row a few rods away when you need more pasture. No posts to move.

As the slandered, and cursed sitting hen becomes more esteemed, attempts to produce a race of steadfast, gentle sitters and brooding birds will be made. Desirable dispositions will prove to be inherited more surely than laying qualities, unless indeed the labor lately spent on endeavors to get a 200 egg strain meets a final reward proportionate to its cost, which down to date appears dubious. A sitter perfectly behaved in every respect, is a jewel rare.

In time, by rigid selection an entirely new breed may perhaps be produced. The simple expedient of always keep-

ing the hens with chicks in competition with each other as regards motherly qualities, and at weaning time putting the winners in a special flock of "extra selects" to use as breeding stock, may be expected to accomplish much in a few generations toward producing a strain of great value. The dictum of Darwin and Wallace that "like produces like or the likeness of some ancestor" holds good; or how could any species, variety, race or breed, after once evolved, be maintained in purity for long periods? Again, how, without the law of reversion, could a new species or even a new sub-species or a new breed be evolved? And how could there be any reversion without something existing to revert to, and what did that come from, for from nothing comes nothing.

Everything under heaven that is alive, be it in the animal or the vegetable kingdom, embracing even the realms of consciousness, or mind, or thought, will, desire, imagination, or action, proceeds from two factors and only two that have ever been proved, namely: heredity and environment. But how did either of these become established and when? Just here we reach the limit of knowledge or the very last analysis; and this suggests the old query, "Which was the first, the bird or the egg?" The correct answer being neither, for both descended at the same time from that which was not either egg or bird, but an earlier stage.

The prevalent guess now-a-days is, that the simplest life forms spring from chemical forces or reactions, or from some factors back of what are called chemical and perhaps are so elusive and subtle that man has no faculties wherewith to discover them and so will never know anything about them except by the uncertain light of analogy.

\* \* \*

In Bulletin 205, Nov. 1912, of Maine Agricultural Experiment Station, we are told, page 284, that: "The record of egg production or fecundity of a hen is not of itself a criterion of any value whatsoever from which to predict the probable egg production of her female progeny. An analysis of the records of production of large numbers of birds shows beyond any possibility of a doubt that in general there is no correlation between the egg production of individuals and either their ancestors or their progeny."

The qualification, "in general" opens a door that is pretty wide; for on page 379 we are first told that "High fecundity may be inherited by daughters from their sire independent of the dam," but a little further down the page are informed that, "a low degree of fecundity may be inherited by the daughters from either sire or dam or both," which explains why "generally" was inserted on page 284. Lo and behold, poultry breeders who all over the world are lately wrestling with the 200 egg problem, are told that the trait of prolific laying is never bestowed upon pullets by their mother, but that the poor laying trait may be given them by their mother!

The cock always carries a particular and unalterable rate of laying which he always impresses on his daughters, Professor Pearl says, their mother having nothing to do with it, and we are further instructed that his daughters are endowed with his rate, whether he

mates with hens of high or medium or low fecundity.

Now mate the hen of low fecundity to some male. He must of necessity carry either the same, or lower or higher fecundity than hers. And now how are you going to prove that the hen bestows low fecundity under above conditions, for if his inate fecundity is high or medium, then according to Professor Pearl, the daughters will be as high as he, and the dam has not bestowed low fecundity. It is his work.

If, on the other hand, his inate fecundity is as low or lower than hers and the daughters of the mating prove to be of low fecundity, how can Professor Pearl prove that she was the one who bestowed this quality? How does he know that it was not the sire's work? The presumption would naturally be that the low laying quality came from him, since the Professor asserts that all high-laying comes from the sire. The reader is referred to pages 304-5 of the Bulletin and can then decide, if he studies hard enough, whether or no Professor Pearl, with his "factors" has made good. The important, if true, part of his conclusions will be put to actual test in many private poultry yards and at Stations. Proof of the pudding, etc. Or you may decide that by the rules of ordinary reasoning; you can tell whether he has made good without any actual test.



#### ADJUSTABLE CLINCH — NO BETTER

#### Poultry Leg Bands Made

25, 20c; 50, 35c; 75, 50c; 100, 65c; 200, \$1.00. No stamps taken. Frank Cross, Manufacturer, Box 506, Montague, Massachusetts.

### SUCCESSFUL POULTRYMEN

know that yarded fowls must be kept active; that clean, sweet scratching grounds are necessary for good health of the flock; then turn under the top soil with an

## IRON AGE Wheel Plow

and make yard fresh and healthful. Light, easily handled, effective. Price, \$2.50; with hoes, cultivator teeth, etc. \$3.50. Hill and Drill Seeder and Wheel Hoe with all necessary cultivating tools, \$12.00. 38 combinations to choose from. Also potato machinery, sprayers, etc. Write for our new booklet, "Gardening With Modern Tools." BATEMAN MFG CO. Box 1193, Greenloch, N. J.



## The Ideal

### FEEDER and EXERCISER

Will feed any kind of Poultry feed. Adjustable to feed any amount desired. Keeps Poultry busy. Will PAY FOR ITSELF in six months. Increase your egg yield 25 to 40 per cent. Size No. 1 (12 quarts), \$2.50; No. 2 (20 quarts), \$3.00. Have Sparrow and Rain Guards complete. Our 15 quart Dry Mash Feeder, \$1.25. Fowls cannot waste the feed.

Agents Wanted

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MR. JNO. J. CAMPBELL,  
General Sales Agent for the New Eng. States  
Hartford, Conn.



# The Charlotte, N. C., Poultry Show

One of the Best and Largest Held Annually in the South—17th Exhibition *By H. P. Schwab*

IT WAS with pleasure that we headed for the South to judge at the Charlotte, N. C., show, the oldest poultry association in the South, this being their seventeenth annual exhibit. We had been there before and in the past had worked at four others and well knew the breeders and what to expect on arrival. The Barred Rock Club was to hold their annual meeting there, and in passing through Philadelphia Mr. Henry D. Riley came aboard and we traveled together for the sunny land of promise with pleasure assured in meeting many well known breeders.

Charlotte has a beautiful city building for such exhibits. The show was on with all arrangements complete, and on Friday night Mayor C. A. Bland formally opened the exhibit with an address of welcome while the ladies served. Mr. Henry D. Riley responded to his honor in behalf of the visiting poultrymen.

The show was opened with great classes in the more popular varieties, and quality that was good to see. A great list of prizes was to be competed for, with all filled with expectations and hope.

The great class of Barred Rocks were a credit to the breeders and it took the very best grade to win. Mr. M. B. Hickson, Lynchburg, Va., proved the leading winner here, winning as follows: Cock, 1st and 3d; hen, 1st, 2d, 3d and 5th; cockerel, 1st; pullet, 2d, 4th and 8th; pen, 2d; cockerel bred

hen, 1st; pullet bred cockerel, 3d; special for best male in show on his first cockerel; also color special male. This was a fine win in a beauty class.

Mr. R. N. Moore, of South Carolina, was another good winner. His first prize pullet was one of the best we have seen out this year; his winning pen up to all expectations.

White Rocks were a dandy class and as a rule well shown.

Buff Rocks were one of the best classes seen, very large and very strong. Buffs have always been a royal favorite here. Our old time friend, Mr. W. B. Alexander, is still at it and showed many nice birds.

White Wyandottes were strong in numbers and of good grade as a rule. Many real fine specimens were shown.

Partridge Wyandottes were one of the best classes seen. The competition was of the best, type and wonderful color and markings were the rule. Mr. Harrell was a strong winner in this class and won in specials a wagon load of goods, and cash enough to buy a farm.

With Mr. Percy Cook as judge of the Orpingtons, as was expected, a great class was out. Buffs were numerous and very strong. Whites a great class and birds well shown. Blacks a royal class of quality. Some wonderful birds were seen in this.

Mr. Cook made a display of his White, Buff and Black Orpingtons that were the center of attraction. We took

the liberty of handling these and were delighted with their quality and condition. Mr. Cook surely understands this breed. His work gave the very best of satisfaction. He has the Orpington interest at heart and is giving his best efforts to make and keep them a most reliable and valuable breed for fancy and practical purposes.

Leghorns are also a favorite in the South and we have always found them among the great classes here. This year was no exception and in the Whites and Browns large and valuable classes were seen. Birds shown in excellent condition was the rule.

Black Langshans were a surprisingly fine class. This climate seems particularly well adapted to them. They are a good and reliable variety and should be bred to a larger extent.

At the American Barred Plymouth Rock Club meeting the following officers were elected for the coming year: President, H. P. Schwab; vice-presidents, Messrs. E. B. Thompson, A. C. Smith, Victor Bradley, C. H. Latham, C. E. Spangh, R. L. Simmons, Matt W. Baldwin; executive committee, Messrs. Charles H. Welles, S. T. Divinia, A. C. Hawkins, Wm. Ellery Bright, H. M. Kenner, Amos Vogt, Jas. T. Huston; secretary and treasurer, Mr. Henry D. Riley, Strafford, Pa. The meeting was a very enthusiastic affair. Many breeders from the South have lately joined the club. It was voted to issue a club catalogue and this with further particulars will be given shortly.

The association banquet at the Selwyn Hotel on Saturday night was a joyous affair, long to be remembered. Mr. E. B. Moore, the president of the association, presided and made a royal toastmaster. His opening and closing

## THE MOST POPULAR FOWL today is U. R. Fishel's White Ply. Rocks

**MAYWOOD**  
POULTRY FARM  
ANCHORAGE  
ANCHORAGE, KY.  
P. O. BOX 114 A.

SPECIALIST IN HIGH-CLASS

**WHITE** LEGHORNS  
ORPINGTONS  
WYANDOTTES

HANDSOME  
CLOTH BOUND  
CATALOGUE  
FOR STAMP.

MAYWOOD  
WHITES  
ARE WHITE.



FIRST PRIZE WHITE LEGHORN COCKEREL  
NEW YORK, N.Y., NOV. 1910  
DUNE ALPIN POULTRY FARM  
EAST HAMPTON, N.Y.

## DUNE ALPIN POULTRY FARM

SPECIALTY BREEDERS OF S. C. W. LEGHORNS

Make the greatest wins of the age at the Grand Central Palace, New York, Boston and Hagerstown, Md., shows, in competition with fifty other exhibitors we won:

### At the Great Hagerstown Fair, October, 1912

Cocks, 1 and 4; Hens, 1; Cockerels, 2, 3 and 5; Pullets, 1, 2 and 3; Pens, Old, 1; Pens, Young, 1; Specials for Best Leghorn Male and special for best bird in the Mediterranean classes and best display.

### At Grand Central Palace, New York, December, 1912

Cocks, 1, 2, 3, 4, 6 and 7; Hens, 1, 2, 3, 4, 5, 6; Cockerels, 1, 2, 3, 4, 5; Pullets, 1, 2, 3, 5, 6, 7; Pens, 2, 3, 4; Specials for best head Male and Female, best color Male and Female, best shape Female, best display, and Gold Special for best display of any variety in the show.

### At the Boston Show, Boston, Mass., January, 1913

Cocks, 1, 2; Hens, 1, 3, 6; Cockerels, 1, 2, 3, 4; Pullets, 1, 3, 6; Pen, 3; Specials for best Display, best Male, best Female, best color Male and Female, best shape Male and Female, best head Male and Female, and Special for best bird in the Mediterranean classes.

These three wonderful wins, combined with our victories at Palace, New York, Boston and Philadelphia shows, in 1910 and 1911, of twenty-two firsts, thirteen seconds, seventeen thirds, ten fourths, nine fifths, eighteen silver cups and two championship medals, surely proves that we lead in S. C. White Leghorns.

We are now booking orders for hatching eggs at 60 cents each from our best pens; 35 cents and 20 cents each, or, \$15.00 per 100 from other good matings. Send for catalog and kindly mention A. P. J.

Dune Alpin Poultry Farm, Geo. J. Kerr, Mgr., Box 651, East Hampton, N. Y.



# A Million Dollars Buried

## Every Year

"Dead in the shell chicks and White Diarrhoea, cost the Poultrymen of this Country a Million dollars every year." Every Poultryman knows this to be true, and that every dollar of this sum comes out of the pockets of the Poultrymen. How much of this sum do you, Mr. Reader, contribute, and how much longer will you continue to bury your Profits? There is a way to stop these losses, and if you are fair to yourself and your business it is time for you to act. It costs you nothing to prove this statement to your entire satisfaction. The remedy is one that science sends you, the

## Ajax Improved Oxygen Vitalizer

TESTIMONIAL EXTRACTS.  
"307 chicks from 307 fertile eggs."  
Mrs. F. J. Russell,  
Summerdale, N. Y.  
Sworn to July 12th, 1912.

"Your Oxygen Vitalizer is a POSITIVE PREVENTIVE for dead in the shell chicks and WHITE DIARRHOEA. It SAVED me \$126.80 in one season."

Mary D. Newcomb,  
Berwyn, Pa.

"The Vitalizer does ALL that you claim for it. No poultryman can AFFORD to be without it."

Levi D. Yoder,  
Dublin, Pa.

"EVERY egg a CHICK. It's worth MILLIONS to the Poultry Industry."  
Ora Overholser,  
Eaton, Ohio.

"Same old story for 1913, not a SINGLE dead in the shell in the WHOLE hatch."

Ira N. DeLine,  
Olympia, Wash.

"You have SOLVED THE PROBLEM of chicks dying in the shell. The finest youngsters I EVER SAW."

Ernest L. Shipley,  
Mt. Airy, Md.

"The Vitalizer gave me a BIG lusty chick, from EVERY fertile EGG, and not a CRIPPLE in the whole lot, and NOT a SINGLE CASE of White Diarrhoea."

Fred Minch,  
Hicksville, L. I.

"Not a single case of White Diarrhoea. Am so well pleased, I would NEVER THINK of running my incubator without the Oxygen Vitalizer."

Mrs. C. A. Ash,  
Litchfield, Mich.

"76 chicks from 76 fertile eggs. Never saw anything to equal the Vitalizer."

M. W. Maybach,  
Silver Springs, N. Y.

## BULLETIN

N. Y. State College of Agriculture.

"Oxygen is essential to normal development, the amount required increasing with the growth of the embryo. The eggs give off carbon dioxide and this increases as the embryo grows."

In a Bulletin, which treats of "Artificial Incubation," the New York State College of Agriculture says, "the eggs give off Carbon Dioxide, the amount increasing with the growth of the chick." That means simply this, that during the last three or four days of Incubation the egg chamber of the Incubator becomes filled with Carbon Dioxide, or Carbonic Acid Gas. This is a Poisonous Gas. When inhaled in sufficient quantities, it produces Death. Just as true as that twice two are four, "Dead in the Shell" chicks are the direct result of Carbon Dioxide Poisoning. This same authority says "Oxygen is essential." What for? Because, Oxygen is the one and only thing that is known to science that will overcome the effects of this poison, and bring out a big strong chick from every hatchable egg just as Nature intended. Thus it is that the Ajax Improved Oxygen Vitalizer, by supplying the life giving Oxygen to the egg chamber of the Incubator, just at the time when the deadly poison is getting in its work, puts a stop to the Dead in the Shell chicks, and at the same time, puts a stop to dreaded White Diarrhoea. So positive is the proof of this fact, that we positively guarantee the Oxygen Vitalizer to do this, and if it fails it costs you nothing, your money is cheerfully refunded. No "dark corners." No questions. No haggling. Just plain, every day, common honesty, your money back. In support of our statement, we print on this page sworn proof of its truthfulness. We have scores of such letters, and they are yours for the asking, together with our Oxygen booklet, free. The Vitalizer costs \$3.50 complete, ready for use, and delivered to you anywhere in the United States, charges prepaid. It can be attached to any Incubator in two minutes, and lasts a lifetime. Very simple in operation. Full instructions and our officially signed and printed "Money Back" Guarantee packed with every Vitalizer that leaves the factory. If you have the least doubt as to the strength or scope of our Guarantee, you may write one for yourself and make it just as strong as you want to. Send it along with your remittance and we will sign it and return to you with the Vitalizer. The Vitalizer pays for itself every time that it is used and more. The hatching season is here. We have told you just what your own good judgment will tell you if you will only think. Don't keep on burying your profits. Send your order today and prove for yourself the truth of what we have said. Remember it costs you nothing to see for yourself, and that every hatch that you miss means money lost. Do it now, so that you may be ready for that first hatch.

See Ads January and February, this Journal

SPECIAL NOTICE.—To one real live Poultryman in every town in the United States we will, during the next thirty days only, make a most exceptional offer. First come, first served. Don't overlook this, because it means money to some one. Write now.

**Reliable Poultry Specialty Co.**  
Main St. : Alexander, New York



addresses were masterpieces and highly appreciated by all. Speeches were made by Percy Cook, Loring Brown, R. L. Simmons, S. H. Hackney, C. W. Best, Mr. Kerr and yours truly. Mr. Brown spoke feelingly and with special interest to the poultry conditions of the South and the progress made. His effort is sure to be of value to all hearing it. Mr. Cook proved also a most interesting speaker. His talk was very instructive, and by request he answered several questions. His long and wide experience along with the success he has made places a value on his expressions.

It was with regret we said adieu to our friends in Charlotte, but we had other shows to make and our two days there were altogether too short to suit our personal inclinations. We are going back there some day to again visit the breeders when we can stay long enough to visit them properly and to better study their conditions and the really wonderful progress the breeders of that wonderful section are making. They have the climate and favorable conditions there, and in poultry their best success should be assured.

## OKE'S HAMBURG & BANTAMS WIN

"The world over"—Boston, New York, Baltimore, Toronto, all great shows. Golden and Silver Penciled and Spangled and Black Hamburgs, Seabright, Black and White Rose Comb and Jap Bantams. Eggs \$5 per setting. Write your wants.

R. OKE. BOX 361-A, LONDON, ONT.

## The Cleveland, Ohio, Poultry Show

A Popular Show with Wonderful Attendance—The Display Large and Complete  
By H. P. Schwab

CLEVELAND year after year has proven itself a standard to follow. Their shows have all been models in management and in cleanliness and in arrangement. With Secretary Conkey and Eugene Sites, ably assisted by his brother Frank, the show is put on and is run in a way to call for the highest praise from all who have attended it.

Large and strong classes of poultry were the conspicuous features this year. In Plymouth Rocks, Reds, Wyandottes, Orpingtons and Leghorns, etc., there were strong classes of merit worth seeing.

The attendance is an assured Cleveland feature and every year here the people flock in and fill the great Central Armory to the doors, to the delight of the exhibitors looking for sales and business.

The Barred Rock class this year was one of unusual merit and in all classes were many desirable birds. Mr. D. M. Covert, Willoughby, O., comes here year after year with his Barred Rocks and cops many of the valuable prizes. This year he won: Cock, 1st; hen, 5th; cockerel, 3d; pullet, 2d; cockerel-bred female, 1st; pullet-bred cockerel, 1st; pullet mating pen, 1st, and several specials. Mr. Covert's line is well

known and he has shown them with much success here, at Buffalo, N. Y., and at the great Philadelphia show. His winning cock was just right and in the best of condition. He is a noble fellow with every quality.

Mr. Henry D. Riley, Strafford, Pa., after his good win of last year came back for more honors and got them in winning cock, 2d; hen, 1st and 2d; cockerel, 1st and 2d; pullet, 1st and 3d; and pen, 1st. This line has proven itself one of the leaders by its winning here and at Madison Square Garden, New York. This year Mr. Riley has made another record of which he has every reason to feel very proud. We have seen the records and reports of about a dozen breeders who last spring bought eggs from him and told of the winnings made with these birds at several of our largest shows, East and West and in the South. He has taken years of time to bring his line to this standard, has worked faithfully and now well deserves the credit due.

Mr. C. F. Webster's Great Win.

In White Plymouth Rocks the Webster Farm, Girard, Pa., made the most sensational win on record. This line has done well for several years at many strong shows, but have never made the win they made here. Their winnings

CARVER'S RED FARM, SEVILLE, OHIO, See Ad On Next To Last Page

# WHITE ORPINGTONS

## Superb Type and Superior Quality

MY FIRST SHOW, 1912  
TEXAS STATE FAIR

1st, 2d and 4th Cock  
1st, 2d and 5th Hen  
1st, 2d and 3d Cockerel  
1st, 2d, 3d and 4th Pullet

Won at St. Louis, 4 Cock; 2 Cockerel; 1, 2, 4 Hen; 1, 4 Pullet; 1 Pen; and Several Specials.

My birds are absolutely white, of that deep-bodied type, low down on legs, up to weight, and I know that I can please you.

The last time I showed at Madison Square Garden, 1911, I

again controlled the winning male birds. My winnings include first cock, third hen, fifth pen and the cockerel heading the first pen. The winning cock is, without doubt, the greatest White Orpington in the world, having defeated the Crystal Palace champion and all the great cocks of America. These great birds, together with my other prize winners, place Russell Cave White Orpingtons far in the lead. Both in Allentown and Augusta, two shows I made last year, I won at each the cup to that exhibitor whose ten or more birds of one variety showed the highest degree of excellence and uniformity of type and breeding. This record of winning in two of the most important poultry shows in this country the cup for the ten best birds has never been equaled by any breeder in America. **Great Stamina and Vigor** are to be found in my birds, not usually found in White Orpingtons. I attribute this to strong foundation breeding stock, our pure air and the blue grass range, 100 acres in Russell Cave Poultry Yards, and 8,000 acres in Elmendorf Farm. We still have a few more cockerels, pullets and hens at bargain prices. Eggs from the greatest of all matings, \$5, \$10 and \$20. **Duroc-Jersey Swine for sale.**

Russell Cave Poultry Yards Elmendorf Stock Farm  
Louis Lee Haggin, Prop. R. 3, Box 1025, Lexington, Ky.



are: Cocks, 1st, 2d and 3d; hens, 1st, 2d, 3d and 5th; cockerels, 1st, 2d and 3d; pullets, 1st, 4th and 5th; pens, 1st and 2d, with all specials offered.

Their birds were shown in the very best of condition and of the quality bound to win. Their three winning cocks were in a class all by themselves, large, fine fellows, with the best of form and fine heads. The cockerels show the best of breeding and type. The third bird a mite young, but without question one of the best we have ever handled. First pullet positively white and sound with an ideal head. Both pens, the first an old pen and the second a young pen, were royally mated and seen at their best. A great collection, and a great line.

Buff Rocks a strong class in quality with Mr. E. H. Lichtenwalter, Girard, Pa., winning: Cocks, 1st and 2d; hens, 1st and 2d; cockerel, 5th; pullets, 2d, 4th and 5th; pen, 1st. This line has the champion show record in this country, for they have been shown about at every prominent show ever heard of. This year they have won at New York, Philadelphia, Springfield, Ill., and here. Mr. Lichtenwalter is one of the original Buff breeders and was

lately elected president of the American Buff Rock Club, an honor he well deserves.

Partridge Rocks a large and beauty class, many very fine quality birds shown here. C. J. Loyd & Son, Greensburg, Ind., winning cock, 1st, 3d and 5th; hens, 2d, 4th and 5th; cockerels, 2d and 5th; pullets, 2d and 4th; and pen, 1st. First cock one of the best we have seen and grandly shown.

White Wyandottes a large class, shown well and with many fine birds. First pen by Chas. McClave one of extra quality.

Buff Wyandottes a beauty class in every respect with sound color and beautiful type the features. The Rocky Run Farm, Northfield, O., showed strong in all classes, winning cocks, 2d and 4th; hens, 5th; cockerels, 3d and 4th; pullets, 3d; pens, 1st, 2d and 3d. Pens well mated and shown at their best.

In the S. C. Rhode Island Reds we found an extra strong class and many exceptionally grand birds. It was a hummer all through, the kind with quality that we like to see and handle. The Schenley Heights Poultry Yards, 1202 Commonwealth Building, Pittsburgh, Pa., made another record here

on top of their glorious win at Philadelphia. Here they won: Cock, 1st; hen, 1st and 3d; cockerel, 1st; pullets, 1st and 2d; and pen, 1st. The winning cockerel also won the show sweepstake special for best bird at the show. Another of this same line won the same high honor at the Philadelphia show in December. This line has size with proper carriage and shape, even color and sound surface and under.

Mr. D. M. Coverts, Willoughby, O., won 2d cock on a fine and well finished bird.

Mrs. E. W. Colby, Willoughby, O., won cockerel, 2d, and pens, 2d and 3d. Mrs. Colby is a very enthusiastic breeder and we wish her success.

The Rose Comb Reds were also a very large and strong class of birds with good head points and very sound color in evidence. Mr. Robert Mawer, Perrysburg, O., proved a winner as follows: Cock, 1st; hen, 2d and 5th; cockerel, 4th; pullet, 4th; and pen, 2d.

Mr. W. F. Zimmermann, Willoughby, O., won 2d and 3d pullets.

Mr. M. C. DeLoof, Willoughby, O., won 1st pen and 2d cockerel.

The S. C. White Leghorns were out in liberal numbers and in real good

# Riley's Barred Ply. Rocks

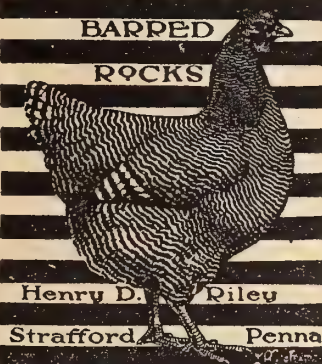
H. D. Riley,

Trafalgar, Ont.

Dear Sir: You will probably remember our having purchased two settings of eggs from you last spring. We were successful in raising twelve chicks. We entered some of these cockerels at Guelph, Can., and won with your birds, first, third and eighth prizes in a class of 69. The first prize cockerel is the best one we ever owned and we consider him worth \$250.00. You may be sure we are well pleased with the eggs you sent us, and it proves to us that you send your customers your best. Yours truly,  
(Signed) Chas. Hall & Son.

The Riley Trade Mark of Perfection

RILEY'S  
BARRED  
ROCKS



Henry D. Riley  
Strafford, Penna

Whenever you see the "Bars" think  
of Riley's Rocks—Barred of course

East Providence, R. I.

Henry D. Riley,  
Dear Sir: I have more good news for you. Last week, the cockerel I hatched from your No. 5 pen eggs won first prize at Boston. It was the largest and one of the best classes ever entered at that show. He is a wonderfully fine bird, and was very much admired by all fanciers who saw him. Thanking you for the way you treated me, Yours very truly,  
(Signed) W. W. Carpenter.

The proof of the quality of the eggs that I can send my customers, and do send them, is in the results that they have obtained the past season, and I have many letters similar to the above from satisfied and grateful customers telling me of victories won at some of the largest shows in the country. The third prize cockerel shown by me at Madison Square Garden this year was hatched by a customer from a setting which he purchased. My great record at the Quality Show of the World—Madison Square Garden—for the past three years has shown my strain destined to be the leaders of the world.

At the Great Cleveland Show, January 21st-25th, I won 2d cockerel; 1st, 2d hen; 1st, 2d cockerel; 1st, 3d pullet; 1st pen. I have never had such wonderful quality as are to be found in my matings this year, and many winners must be hatched. My mating list is ready to mail, and if you really want to breed birds fit to win any show—if you want the best—write me. A grand lot of cockerels at reasonable prices, for quality offered, for sale.

Henry D. Riley, Box B, Strafford, Chester Co., Penna.





**Usual price 25c each**  
but we offer *two* galvanized  
iron drinking fountains for  
25c as a special inducement  
to get you acquainted with

## PURINA CHICKEN CHOWDER

—a dry mash composed of alfalfa, corn meal, bran, middlings, granulated meat, linseed meal and charcoal, the great egg mash and

### GROWING FEED

for baby chicks. Purina Chicken Chowder produces tender and plump broilers at an early age and advances the egg laying period from 2 to 5 weeks.

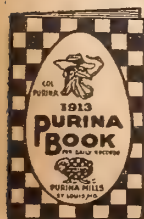
Col. Purina says: "If Chicken Chowder won't make your hens lay, they must be roosters." Chicken Chowder makes fertile eggs for hatching and early broilers that bring fancy prices.

Clip Col. Purina's head from a bag of Purina Chicken Chowder and send it to us, with 25c, and we'll ship you the two serviceable, 25c galvanized iron, chick drinking fountains delivered by parcels post.



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quality. All the winning cockerels were exceptional birds.

Black Minorcas were a large class of fine birds.

Anconas as usual were a feature class here with Mr. H. C. Sheppard, Berea, O., the conspicuous winner, as follows: Cocks, 2d, 3d, 4th and 5th; hens, 1st, 2d, 3d and 4th; cockerels, 1st, 3d and 5th; pullets, 1st, 2d, 3d and 4th; pens, 1st and 2d.

In Rose Comb Mr. Sheppard won all but one first prize, repeating just about as above. He has long championed the Anconas and has produced many of the best of this variety.

All the Orpingtons were large and good classes with competition of the best in all. The Buffs numbered over 100 birds with the Roseland Poultry Farm, South Euclid, O., winning cock, 2d; hens, 3d and 4th; cockerels, 3d; and pens, 3d and 5th. This line is well known and has the desired quality.

The Briarcliff Farm, Atlanta, Ga., fresh from their win at New York and other shows came here with the following results: Cocks, 1st and 4th; hens, 1st and 2d; cockerels, 1st and 4th; pullets, 1st and 2d.

In Blacks this same farm won cocks,

1st and 5th; hens, 4th and 5th; cockerel, 1st; pullet, 4th; and pen, 4th.

In the Whites their winnings were: Cocks, 1st, 2d, 4th and 5th; hens, 1st; cockerels, 1st, 2d, 4th and 5th; pullets, 1st and 4th; pen, 2d and 3d.

The Parsons Poultry Plant, Avon Lake, O., won: Cock, 3d; hen, 3d; and cockerel, 3d, in this class of White Orpingtons.

Hamburgs were seen in all their varieties and made a beauty display. Polish also were shown well.

Both Silver and Golden Campines were seen to advantage here in good strong classes. Messrs. Gensemer Bros., Creston, O., winning in Silvers: Pullet, 3d, and 2d pen. In Golden 2d and 3d cockerels, 2d, 4th and 5th pullets and 1st pen.

Houdans a very large and good display with close to 60 birds seen.

Bantams were seen in all varieties and formed a good display.

Ducks and geese were one of the features of the show and very large classes seen here. There was value in this display.

We believe that Mr. Coburn will also have something to say of this show. We were highly pleased with our visit there.

## Madison Square Garden N. Y. Show

With Notes and Description of the Different  
Classes—Part II.  
*By H. P. Schwab*

**T**HE EVENTS of this great show are indelibly stamped in memory, and history will record them as long as time lasts. This show also marks the changing of the pilots, and we shall look with every hope and wish for the success of the new. I believe the industry has been particularly favored by the selection of Mr. Chas. D. Cleveland to succeed Mr. Crawford, and he surely deserves the hearty support of all.

Our special interest was attracted by the general interest shown in all the varieties. The exhibitors and the attending public were most enthusiastic, and the future surely has much in store for all. It is brighter than for years and with success assured.

The great "Ringlet" record with its distinctiveness received general praise, and Mr. Thompson and his son were kept busy thanking people for their kind expressions, shaking hands and showing their superb winners to all anxious to see and to inspect them. With their just right evenness and bright, clean surface color in evidence, the breeders were a-guessing of their under-barring, and this happened to be their strongest feature. For all-around quality in shape, color and barring Mr. Thompson's first prize cockerel was the superior of any male I have ever seen, and with his others up close. His winning of first pullet and champion female special makes him also a contender with the best in this line of breeding. Both in males and females his line is of the highest and best possible grade and quality.

Line value is sure to tell and Citizen Haldie Nicholson, Leominster, Mass., has made a Boston record with his Barred Rock male line since our last report. Winning first cock at New York, he sent a brother of this bird to Boston and there also won first and

champion male and third and fifth on cockerels with first cockerel mating pen.

The record made by Yama Farms, Napanoch, N. Y., on both their Rocks and Minorcas was one of great credit to all. Never before was there such competition to contend with. Their line is worthy and will make its mark. They have later won about all at the Buffalo International.

The display of pullet mating pen shown by Mr. A. C. Hawkins, Lancaster, Mass., was one of the features of Barred Rock row. It was a beauty collection of highest quality, with a male showing the best of line barring, and very clean cut. The females were all alike and of the proper shade of color with beautiful type.

The Owen Farms made a display of their prizes and cups won this fall at the great shows of the South, including Nashville, Memphis, Atlanta, Augusta, etc. In cages near by were their display pens of White and Buff Orpingtons. For competition they entered but a few White Rocks and in pens won 1st, 2d and 3d. We give a list of their winnings elsewhere in this issue. The records will show the Owen Farm line to be better than ever this year. Their mating list has just been received.

Mr. A. J. Fell's winning of four firsts in that class of 260 White Wyandottes is still ringing in our ears. It is the stamp of quality, and a win well deserved by a very worthy breeder. We have written up this line before, and will again in the near future.

Mr. W. R. Graves, winning second pen, was also one to our liking, but few pens can ever be selected and mated as that one was, and with such a typical male.

The Sunnybrook Farm, Eatontown, N. J., Columbian Wyandotte specialists, won: Hens, 1st and 3d; cockerel, 3d, and 1st pullet. This line has been a



consistent winner for many years.

D. Lincoln Orr, Orrs Mills, N. Y., also of Columbian Wyandotte fame, and a prominent winner at Philadelphia and other shows, won here: Cocks, 2d and 5th; hens, 4th; cockerels, 2d and 5th; pullet, 2d and 3d; and pen, 1st. Also first display and specials. This is a splendid win made with a great line of quality birds.

In Rose Comb Buff Orpingtons the

class was the best we have seen with good type and rich color. The winners here were Hillside Farms, A. R. Chandler & Sons, B. C. Roecker, H. C. Faulkner and Dr. T. H. Smith.

The record made by Foxhurst Farm, Lime Rock, Conn., will stand for years as a model for the Black Orpington breeders to aim for, their winning of first prize in all classes being a stupendous affair.

Kettering and Stute, and the Sandy Lick Farm, 966 Liberty avenue, Pittsburgh, Pa., entered a few Orpingtons in all classes and received good mention. Their second Black hen and fifth cock were birds of great merit in both color and type.

The Joe-Pye Orpington Farm, South Norwalk, Conn., satisfied with their splendid win here, sent another line of their Buffs to Boston and the result

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because you have all your chicks in **one room** around one stove instead of divided into flocks of fifty with a **dozen** or more lamps to care for. You have only one large, well **ventilated** sanitary room instead of a lot of unsanitary brooders. You have **one flock** to feed and water, instead of a lot of small flocks. You will not have to take an hour off each morning to bury a lot of your **PROFIT**.

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because our **radiating drum** and heat deflector get every possible degree of **heat** out of the oil consumed. Your oil is fed into one **large flame** instead of many small flames. Instead of using 30 quarts a day for 1,500 chicks, you use from 12 to 16 quarts in the Simplex Brooder Stove.

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because it is the only brooder stove equipped with a **direct contact burner** which cannot go out so long as you keep the oil tank filled. There is no wick to become foul and smoke. It saves worry because our automatic regulator absolutely

controls the temperature in the room. With a Simplex properly installed you can go to bed at night with the assurance that your chicks are taken care of and will be there in the morning, bright and happy, big, strong and profitable.

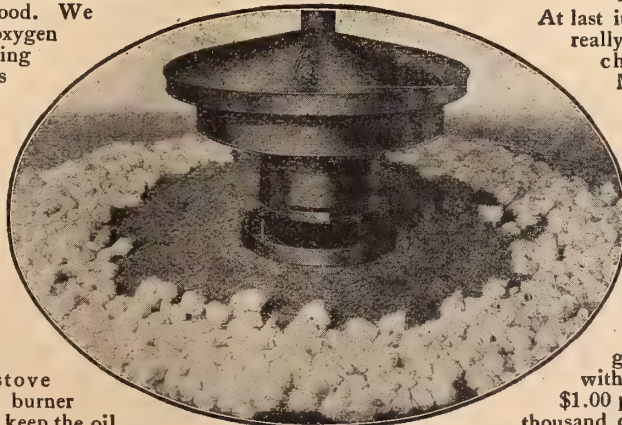
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THE SIMPLEX BROODER STOVE CO., 137 Fourth St., Grand Rapids, Mich.

**THE SIMPLEX AND NATURE MAKE POULTRY PROFITABLE FOR YOU**



will be found in our report of that show. It is but seldom that one line can make such records at New York and Boston.

Miss Carey, Toynton, Spilsby, England, displayed some of her Orpingtons and Favorills here, at Philadelphia and at the Palace shows that attracted much attention.

The Rose Comb White Orpingtons are rapidly coming to the front. The breeders now have them with the best of type, equal to the best of the Single Combs. The exhibit of Lawrence Jackson, Hayesville, Pa., was a revelation to us. Birds with the very best of form and fine heads were here seen to advantage.

The exhibit of Diamond Jubilee Orpingtons by Mrs. H. B. Prescott, Andover, Mass., was one of particular interest and beauty, she winning first on both cock and hen.

Blue Orpingtons proved themselves all we predicted for them and a very large and fine class was seen to advantage. Mr. Haldie Nicholson won four of the five first prizes on splendid birds, well shown. We believe Mr. Nicholson was the first to introduce and breed them in this country and his success is well deserved.

Mr. W. H. Depper, South Lincoln, Mass., also won well here and since at Boston and has made another great record. See our report for same.

Mr. D. W. Young's S. C. White Leghorns are just as undefeatable today as ever before. Year by year this wonderful line has made its marvelous records with the best of quality birds. This line is the foundation of Leghorn success.

Black Leghorns should become more popular. A nice class was seen here and we have also noted them at several other shows in real quality.

Indian Games, one of our oldest varieties, formed a good class with the winners a selected lot. Mr. J. N. Hazlett, Marianna, Pa., won very strong in all classes.

The breeders owe much to Bird Bros., Meyersdale, Pa., for bringing the beautiful Partridge Rocks to their present high quality. Their work has been wonderfully successful and the records they have made here at the Garden show for the past three years is one of unequalled value to them and the fancy at large. Their Bronze turkeys have made the same high standard record winning for several years the leading awards here.

We were pleased to meet here Mr. Barton T. Fell, Trenton, N. J., owner of the Parkway Farms, who has just made the southern shows with his Silver and Partridge Rocks, Campines and Black Leghorns, and has brought back

from Atlanta the best record we know of. See special report.

This was our first meeting with Mr. Seaman, of the Yama Farms, and we will see to it that it won't be our last. He has the best of reasons to feel very enthusiastic over the records his Barred Rocks and S. C. Black Minorcas have made, and he will bear watching in the future.

Mr. Bright, of the Grove Hill Farm, spent two days at the show looking over the Barred Rocks and having particular interest in the S. C. Brown Leghorns where he was exhibiting.

The Snow Crest Farm, Clarks Summit, Pa., specialists in Runner ducks, made a beauty display and won well in all the classes.

The Light Brahmas as bred by Balch and Brown have the winning habit here, and have held it for years. The past two years they have also shown at Philadelphia and won many cups and highest awards.

Several of the well known Orpington breeders were showing at Baltimore and here at the same time and it kept them running back and forth as busy as bees. Mr. Aldrich, of the Aldrich Farm, was one of these, and besides making a record here he also won well at Baltimore by taking three firsts and two seconds.

Major Hugh Rose was another who had split his string and was at both places with a divided line. At Baltimore he also won three firsts, two seconds and several other prizes of note.

Mr. Defafield, the owner of the Sunswick Farm, came up from Baltimore to see the show and class here. His birds were in the great show of the South and won: Cocks, 3d; hens, 1st, 2d and 5th; cockerels, 1st, 2d and 4th; pullet, 5th; and pen, 2d.

Mr. H. D. Riley spent a few days at the show, meeting friends and busy with his Barred Rocks and the club. He is particularly well pleased with the record his line has made in customers' hands.

Mr. S. M. Goucher, of the Maple Grange Farm, Moorestown, N. J., breeder of Barred Rocks, could not spare the time, so sent Mrs. Goucher to look over the class of wonder. Mrs. Goucher, like her husband, is an ardent fancier of the Barred beauties. They have been breeding for some years and this year, like others, have made grand records at Camden, Philadelphia and Williamsport.

The New York show around Barred Rock alley would not look natural without our old friend Mr. E. L. Miles, of Sag Harbor, N. Y. He is one of the breed's most reliable champions and a breeder for a great many years. Mr. Miles seldom shows away from home, but his line has a national reputation.

Mr. Jos. P. Hildorfer, the S. C. Black Minorca breeder from Pittsburgh, Pa., was exhibiting at Baltimore where the club meeting was held and spent a day at New York seeing the Blacks there and visiting friends.

Mr. Robert J. Walden, Middleburg, Md., was also showing his Barred Rocks both here and at Baltimore and received good mention at both. Mr. Walden has made strong records this year at Hagerstown, Williamsport and Philadelphia with his birds.

Mr. Irving Rice, Cortland, N. Y., breeder of S. C. White Leghorns, and who has judged them at this show, was a welcome visitor. He reports a large flock of choice birds. Mr. Rice

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has been a prominent winner for many years and a most reliable breeder.

One of the younger and very interesting Barred Rock breeders is Mr. Geo. J. Cunningham, Sag Harbor, N. Y. He has won his spurs here and has always shown a fine line of males.

#### The Plymouth Rocks.

The Barred Plymouth Rocks numbered 191 birds and formed the best class in general quality that we have ever seen. Condition of the birds was superb and interest at its greatest value.

**Cocks**—First a great bird and at his very best, very narrow and evenly barred, extra under, strong eyes and fine head. Second in finish and general condition a wonder, evenly and snappy barred and very close in barring. A fine blue cast, but just a mite past his best condition. Head points grand and eyes flaming red, a very close decision. Third another beauty in type and quality barring and color with a fine head and strong eyes, not fully finished in tail. Fourth one of the best ever seen with all that is desirable in a great bird. Fifth a marvel in line barring as well as in form and style with extra fine head, a most attractive bird. Sixth a very strong and desirable bird with form and barring of value, not fully finished, nice head and a grand breeder. Seventh another quality bird, strong in barring. Eighth a bird of great character, but not in full feather here.

**Hens**—First a beauty well shown, barring of equal width and very clean, fine form and nice style. Second short in body feather at this time, choice shade of color and very fine form, was the first pullet at this show last year and a most valuable hen. Third one of the very richest in shade of color and finely barred. Fourth similar, both in grand condition and best of form. Fifth a grand winner with wonderful barring, a beauty and bird of quality. Sixth and seventh both rich in shape and color. Eighth one of the very best when in full feather.

**Cockerels**—First the best Barred Rock male seen to date, a model in shape, style, color and barring. He had the "Ringlet" bars all over in surface and under, narrow and clean. Head ideal, strong eyes and finished in every section. Second the equal of the first in color and barring with the best possible kind of wing and fine head. Third one of the very best in color and barring, but just a mite immature and not quite filled out, nice wing and tail. Fourth a fine barred and strong bird with dandy head and good eyes. Fifth a bird of good type and very even color and markings. Sixth a beauty in size and form, but just passed his very best. Seventh a bird of promise with the best of under-barring, very clean, grand head and style. Eighth similar to the sixth.

**Pullets**—First a wonder in surface and under-barring and of fine form, tail a mite short, but a bird of great merit in all ways. Second a rich one, well shown, barring and color very fine. Third one of the best in surface color. Fourth a beauty and bird of value, well shown and of remarkable barring and clean color. Fifth very similar and well and snappy barred. Sixth narrow and grandly barred and of superior form. Seventh and eighth both very desirable birds. No. 198 was a cockerel-bred pullet shown by Mr. Thompson for exhibition only, a marvel

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### DOUBLE QUICK GRAIN SPROUTER

THE PERPETUAL POULTRY SILO

A veritable hot-house, growth-forcing machine. Makes two to four bushels of feed from one of grain. Soon pays for itself in the feed it grows and the increased egg yield. Sprouted in 24 hours and forces growth of two inches and more daily. The Double Quick is the original grain sprouter, now three years old, several thousand being in use in every part of the United States and Canada and is endorsed by hundreds of users. Catalog will give many letters like the following:

Mrs. Lucie Shields, Mt. Carmel, Ill.—"I have used your grain sprouter for six months with great success. It has paid for itself several times over by an increased egg yield."

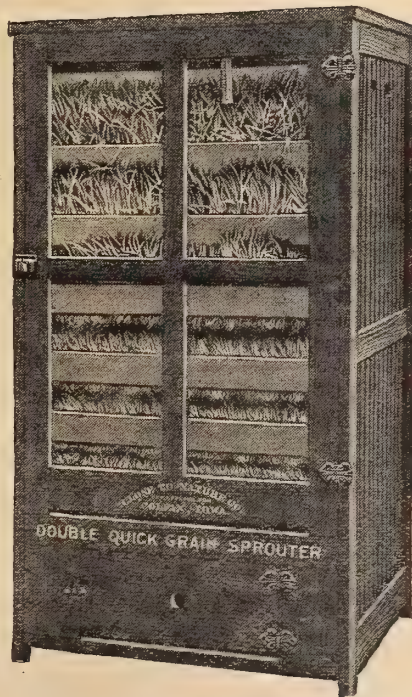
D. E. Jones, Grand Junction, Colo.—"My sprouter is working fine. I built a box around it and put it outdoors and the thermometer went down to 16 below zero, but it kept on germinating. I surely gave it a good test and think it is fine."

L. T. Davis, Corsicana, Texas—"Enclosed find \$24.00 for three Open-Air Hovers. I have my No. 5 Double-Quick Sprouter in operation and it does every thing you claim it to do. Is indeed a grand machine. Would advise anyone in the poultry business, large or small, to get this machine for it will get the eggs any season of the year."

Mrs. John E. Brown, Concord, Mich.—"The sprouter has paid for itself in finding oats for seed next year. I have tested oats for seed for the whole neighborhood."

Made in six sizes from a few hens to 1,000. Send for complete booklet on the grain sprouter and sprouted oats.

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in beauty. They come in clusters of "one" was the truthful sign displayed.

**Pens**—First, the male one of superior merit and one of the best barred birds in the show, nice form and grand head, females all of size and exquisite form, all just alike in shape and barring and with the best of wings, a superb collection. Second, male the equal of the one in winning pen, females also well mated and of quality, up close. Third a very nice pen with strong male, one female a little small. Fourth a good pen, well shown. Other exhibition pens shown well.

**Cockerel Mating Pens**—First a marvel in strong but clean color and barring and a wonder in selecting and mating. Second a royal pen of rare quality. Third well shown with most excellent breeding birds.

**Pullet Mating Pens**—But two shown this season.

White Rocks numbered 155 birds, making a royal showing in all the classes. Each contained several exceptional birds of merit.

**Cocks** a strong lot with the winner one of the best ever seen here or elsewhere. Second a bird of note and a great winner, nice form and grand condition. Other winners and several without mention grand birds.

**Hens**—A selected lot with honors close between the four best winners. They had the same form and style with good heads and the best of color and condition. Fifth and sixth up close and of quality. No. 247 looked well to us, but in such competition the ribbons fail to go round.

**Cockerels**—A great class of birds from first to last, and then some. All shown at their best condition.

**Pullets**—First one of the rarest and grandly shown, positively white, with fine head and near perfect form. Second and third up close and beauty birds. Others also of the best; the class full of merit.

**Pens**—A wonderful collection of highest quality. It looked as if some of the big fellows made extra efforts to win here at the expense of the single classes. The first three pens were in a close class of great quality and condition, the males were marvels. Others in the winning strong. Pen No. 3019 all old birds and one of great merit. The cock in this pen one of the best we have seen, and a New York winner.

**Buff Rocks** are always a hot class here and this year they seemed stronger than ever before with type, head points and color showing well.

**Cocks**—First in a class by himself with the best of form and the richest and soundest of color. Second and third grand specimens shown at their best. Fourth and fifth among the best seen this season.

**Hens** were a very hot class all through, the winner a model in form and of sweet color. Second also very rich with the third and several others running up close.

**Cockerels**—A great lot with the best bird there shown carelessly. The first and second choice birds with fine type, the second very even in color and stands

well. Third a strong bird well conditioned.

**Pullets**—A dandy class of quality birds. They seemed to us exceptionally good in sound and even color. The winners a very select lot.

**Pens**—All the pens were seen to advantage and were marvels in mating and in general quality with the males seen in the winning pens of great merit. The first pen a beauty in every way.

**Partridge Rocks**, the same as last year, were a feature of the show. Such quality classes speak well for the future of this variety. To fully describe the winners would be to repeat all through, as they were as near alike as possibly could be.

**Cock**—First a beauty in type and of the richest of color and markings with extra fine head. Neck surface and under of the best. Second up close in every way. Third and old favorite and one of the best ever produced. Others of same grand quality.

**Hens**—First to third in a close class, the best of color and superb in markings. Fourth and fifth grand strong hens.

**Cockerels**—All five winners on a high level and many others up close. A most beautiful class, the winners without exception perfectly strong under in all sections. Beauty heads on all.

**Pullets** grand as a class in every quality and condition.

**Pens**—First a wonder in mating and quality. Here were seen several birds of winning records of the past that are remarkable beauties. Second a pen

## PERKINS' PARTRIDGE PLYMOUTH ROCKS

EGGS FOR HATCHING—20 PENS MATED FOR THE TRADE. 3 pens, \$40; 4 pens, \$30; 5 pens, \$20; 6 pens, \$15; range flock, \$3 per setting. Beautiful mating list containing colored insert of pair of tows free.

F. N. PERKINS

22 HARLEM ROAD

FREEDPORT, ILLINOIS

# NICHOLSON'S BARRED ROCKS AND ROYAL BLUE ORPINGTONS

## ROYAL BLUE ORPINGTONS

New York, 1913

I won third cock, first hen, first cockerel, first pullet, first pen. Also A. P. A. diploma for the best Blue Orpington cockerel. This was the first show with competition. Seven exhibitors were in line with the best imported birds from the leading breeders of England. Remember, I bred first cockerel, first pullet and first pen myself. I breed all my winners in Barred Rocks and Blue Orpingtons. Above birds will not be exhibited again this season. The above shows you I have the best Blue Orpingtons in America, and as I am no amateur at mating you will get results from my eggs.

## BARRED ROCKS

New York and Boston, 1913

I won at New York, first cock and



eightth cock. First cock acknowledged the best Barred Rock ever exhibited in the Garden. Note—This cock was barred to the skin in every section. Wing unbeatable. Remember, my birds are no top-barred birds, but barred to the skin.

Boston

New String of Birds

I won first cock, third cock, third and sixth cockerel, first cockerel bred pen. This cock bird, like the New York cock, needed no judge to put him first, and to the breeders and judges he was a revelation. Remember, my Barred Rocks don't fade out, but are barred to the skin—as cockerels, just as good when cocks. We have a few pens of Blue Orpingtons and Blue Wyandottes. Are first prize winners at Chicago, Boston, Crystal Palace, England.

**Afterthought**—Remember, I do not breed Barred Rocks devoid of underbarring. Isn't it nice to open a cockerel up and see nothing but white or blue mist. Such males will breed you some hot stuff, will they not? They will not.

**Haldie Nicholson : Box 9 : Leominster, Massachusetts**



well mated and with grand quality in all.

**Silver Penciled Rocks**—A small class of good birds with first hen and first cockerel very good.

**Columbian Rocks**—A rather small class for this prominent variety, with many grand birds shown in all classes. First hen one of the best.

#### Wyandottes.

The White Wyandottes with 260 birds shown were the banner class of the show. In quality and in condition it was a beauty class with as fine a lot of headed birds as we have seen brought together.

**Cocks**—First a marvel in beauty, type and value, shown at his best; a wonderful bird in every way. His back and tail finished to perfection. Second and third both beauties, well finished. Fourth a grand bird and true Wyandotte in every line. Fifth very neat and trim.

**Hens**—First a very rich hen in quality and white as snow. Second up very close and well finished. Third a good bird. Fourth one of the best with a beauty back, breast and tail, stands clean. Fifth strong in type and with a great head and the best of color.

**Cockerels**—A great class of birds with merit in every coop. First a well finished cockerel with full tail and typical, splendid head and fine eyes. Second and third both dandy Wyandottes. Fourth and fifth very desirable birds. Many others of great worth seen here and the competition the best ever had.

**Pullets**—A great class of 48 birds, including the best to be found, with type and maturity and finish the features. First a gem and a great winner. Second another of the highest merit with every quality. Third, fourth and fifth among the best and many other beauties here.

**Pens**—With 18 in line the judges had work here. First a great pen of superb quality and superior mating. Male a wonder and females alike and with the best of type. Second another of the best and of the very richest of quality. The male here a marvel and with a beauty head. The females all well mated and of superior merit. Third a dandy pen well shown with females very select. Fourth another very close up with the quality bound to attract. Others very well shown and of quality.

**Silver Laced Wyandottes** were one of the best classes seen here in several

years, with type and lacings of the best.

**Cocks** with twelve in line assured the best of competition. First a bird of exceptional form and very sharp and silvery, nice head. Second a rich marked bird and third up close. Fourth and fifth both valuable specimens.

**Hens**—A marvel in open lacing and sound color and typical, good head and fine eyes with splendid wings. Second very neat, a nice one. Fourth good in all ways and others well up.

**Cockerels**—First a royal winner and a very clean bird with grand head and the best of type. Nice breast and sound wings. Second a very rich bird, well shown. Third up close with others very near.

**Pullets**—A grand lot. First very sound in lacings and color, fine breast and good head and eyes. Second also a beauty. Third one of the best and a beauty in every way. Fourth and fifth strong quality birds.

**Pens**—First a beauty in mating and evenness, of grand quality.

Both Black and Golden Wyandottes good as far as they went.

Buff Wyandottes a very sweet class all through with splendid color the fea-

## THE MOST POPULAR FOWL today is U. R. Fishel's White Ply. Rocks THORNILEY'S BNCONAS

Greatest layers of large white eggs on earth. I have several hundred large, dark, evenly mottled males and females for sale reasonable.

Day-old chicks ready to ship after February 1st. Eggs for hatching any time. Write for illustrated catalogue.

**Willard J. Thorniley : Route 1, Box 36 : Marietta, Ohio**

### DO YOU REALIZE

That this season Maple Farm of Midlothian is going to give its customers the "squarest square deal" in eggs from their

### White Plymouth Rocks

that has ever been known to poultrydom?

### JUST THINK

what it means to pick out a number of pens of birds good enough for exhibition matings and then to weed those down until the final result is one-third the pens that were started with. Isn't that a wonderful chance for both the exhibition and utility poultry raiser?

You want to know more about Maple Farm of Midlothian? Drop us a line asking for our new catalog. Our mating list will come too. Get the address right!

**Maple Farm of Midlothian  
Box 105, Tinley Park, Illinois**

Chas. D. Ettinger, Prop. R. R. Sta., Midlothian, Ill. Walter A. Cook, Mgr.



First Cockerel, Illinois State Fair, 1912



ture and with commendable type in all birds.

Columbian Wyandottes one of the best quality classes we have seen.

Cocks—First a beauty with grand quality. Second one of the best in type and with fine wings and markings. Others of quality.

Hens—First a superior bird well shown with grand clean color and good wings, nice type, etc. Second and third both grand good birds. Fourth a bird of note and of great merit.

Cockerels—First, second and third up close and of the best grade, with several other fine birds in this class.

Pullets—First and second stunners with extra markings and fine color, wings and tails. Good heads a feature. Third very sweet.

Pen—First a strong pen of quality.

#### Rhode Island Reds.

In Single Combs the classes were extra large and filled with the best possible quality. Head points with evenness of rich red color were the features with type up very close.

Cocks—First a very good bird and well shown, very good even color. Second, we did not handle this bird or see him to advantage. Third same condition. Fourth and fifth good quality birds. No. 982 one of the best to our mind and a great breeder without question. No. 996 extra even and rich color

with fine head. No. 999 one of the best in color and grand head.

Hens—First a beauty in even color and also wins shape special. Second, very nice and even, but appeared a mite dark to us. Third a grand hen well shown with plenty of quality. Fourth and fifth good. No. 1006 one of the best and we thought should have been placed. No. 1015 and No. 1016 both very good and former winners.

Cockerel—First one of the grandest birds ever seen, a wonder in color, very rich and even and a beauty head. We congratulate the owner. Second of uneven color with neck light and with but very short tail. Third a good sound bird. Fourth well shown and has lots of quality. Fifth a beauty of rich color and type. No. 1027 very even and the best of color. No. 1056 one of the richest and best. No. 1058 a dandy good bird.

Pullets—First well shown. Second extra type and very even color. Third a hot pullet, nice wing and color. Fourth very clean and good. Fifth a grand good bird. No. 1060 rich and even color and fine head. No. 1070 very even and of extra shape.

Pens—Both first and second grand pens of highest quality, well mated in shape and size and of richest quality. Third a good pen. Fourth the females exceptionally fine. Fifth a beauty in

color and even quality. No. 3097 a very strong pen, well shown.

Rose Comb Reds were another beauty class, well shown and full of quality, with nice heads the rule and very good form.

Cocks—First a real stunner in color and with grand tail and fine shape. Second extra fine in every way. Third and fourth strong birds with splendid type. Fifth very good. No. 1086 a grand bird with beauty tail and finish.

Hens—First one of the best and in prime shape and condition. Second and third up close. Fourth very nice and fifth another beauty.

Cockerels—First a corking rich one and strong in shape and of the best of color. Second a neat one. Third similar to the first. Fourth and fifth well up in all quality.

Pullets—First a rare beauty and in rare condition. Second and third strong birds along with the best. Fourth another of the best kind.

Pens—First grandly mated and of high and even quality. Second and third up very close and nice lots. Fourth extra choice male here with an even lot of females. Fifth a very strong and good pen.

#### Orpingtons.

A great collection in all varieties with most all birds in wonderful con-

## EGG PRODUCERS—If you want eggs buy Fishel's White Ply. Rocks

## Barred Rocks—S. C. Brown Leghorns

Winners at M. S. Garden, N. Y.; Buffalo, Detroit, Boston, Rochester, etc. They have won the leading prizes at our best shows for years. They breed true with satisfactory results assured in type, color and laying qualities. Our latest win at the Great Buffalo International Show, January, 1913, is the keynote to success. Our Leghorns set a new high-grade mark and show record by winning more points than all others. Cock, 1; Hen, 1-4; Cockerel, 5; Pullet, 1-2; Pen, 1. Silver Shield for Best Display and all Specials. At the late M. S. Garden, N. Y. Show, 1913, Pen, 2; Hen, 5. At Rochester, 1913, Hen, 1-3; Cock, 3; Cockerel, 2; Pullet, 1-2. Special Mating Cockerels, 1-2; Pullets, 1-3, and Specials. Our Barred Rocks have done equally well, winning at Buffalo Cockerel 2nd and Shape Special; Pullet 4th and Shape Special; Pen 2nd; Cock 3rd. A grand lot of choice birds in both varieties for sale. Write your wants. Eggs for hatching. Circular free.

L. B. RESSEGUIE

BOX 404

MILLERS, NEW YORK



## SINGLE COMB WHITE LEGHORNS ROSE AND SINGLE COMB REDS

We will take a limited number of orders for day old chicks and hatching eggs this season. Our strains are of the best blood of the country range raised, perfectly housed and fed, and show the size, vigor and health that guarantee early and heavy egg production. Write us early for prices and information.

INGLESIDE FARMS : HOOPESTON, ILLINOIS



## Covert's Barred Rocks Win

Again at Pittsburgh Great Exposition show, Jan. 1913, 4th cock, 2d pullet, 1 pen pullet mated, 2d pen cockerel mated

**CHICAGO, 1912** In the largest and best class of Barred Rocks ever brought together either east or west, 393 birds in all. First cock (29 in class), first and fifth hen (79 in class), second cockerel bred hen. The first and fifth hens are the same birds that won last year as pullets. I have also won at Buffalo, Cleveland and many other large shows during the past five years, demonstrating I have been and am producing exhibition quality for I raise all the birds I exhibit. My matings this year will be superior and I can supply your wants in either stock or eggs. Ten grand pens cockerel and pullet matings. Send for mating list. I guarantee to please you in your dealings with me. Write today, mention A. P. J.

Covert Barred Rock Farm : Willoughby, Ohio





dition. The great classes made strong going and close picking.

Bufs, with 123 birds shown, were all we could desire, the best of America, Canada and England was there competing for honors.

Cock—First one of the best ever, extra type and best of sound color. Second another rich one and good winner. Third grand in color and good head. Fourth and fifth both grand birds. Several other good ones seen.

Hens—First very sweet in color and of nice form. Second a rare good one. Third and fourth both beauties. Fifth sound color.

Cockerels—First a great bird and good winner, well shown, hard to beat this kind. Second and third nice in color and of good form. Fourth a rare quality bird. Fifth also a beauty with finish.

Pullets—First very good and sound, nice type. Second well shown and of rare color. Third, fourth and fifth all choice and up close.

Pens—First a model in form and quality, finely mated and shown. Second grand male and well mated females. Third also a rich pen. Fourth a grand pen with beauty birds all through.

Whites—A wonder class of 183 birds, full of features.

Cock—First well shown and a grand bird. Second up very close and one of the best. Third a beauty in type and color with condition. Fourth and fifth among the best. Other fine ones here.

Hens—First one of the rarest and shown in wonderful condition. Second another beauty, fine in form. Third a good one. Fourth very good and nicely shown. Fifth of nice size and color. Fifth of nice size and color.

Cockerels—First, a very good bird, not at his best. Second and third good, typical birds. Fourth, a wonder and a favorite with many. Fifth and several others were birds of merit.

Pullets—First and second, very close, both of the best. Third, a very neat one, grandly shown. Fourth, grand, and fifth close up.

Pens—A rich lot, with first pen one of the best seen at any time. In mating and high quality this pen was a marvel. Second, another strong mating of quality. Third, a great pen with a beauty male and very choice females. Fourth, well conditioned and shown. Fifth, very good.

Blacks—A great class of 120 birds. We believe this the largest class ever shown here.

It is simply useless to describe this class bird by bird; just imagine quality as can only be found in the beautiful blacks and you have the correct idea of the winners from first to last one. This class in quality and condition was all that we could hope for.

The Blue Orpingtons carry the same form as the blacks and in the winners seen here, both in color and in shape, they were all we expected.

The Rose Comb White Orpingtons

were marvels in quality, with fine heads and the best of form that is found in the S. C.

#### Leghorns.

In the S. C. Whites type again was the feature; it was the form and style that has won here for years, and is good for time to come. The winning males were all alike, even in finish and with beauty heads, the best of eyes and positively white. The females as grand as ever and of the highest merit. Pens well and evenly mated, with choice males seen here and the best of females.

The S. C. Browns, very rich in color as a class and with grand size and good forms; there was little to pick here between the winners.

The Bufs, as always, strong here, with sound color and splendid finish, showing well as a feature all through the class. The winning pen a marvel in mating and in quality.

R. C. Browns, one of the best classes and very strong; the males an extra fine and selected lot with nice heads.

#### Campines.

In Silvers a class of 130 birds and the best and evenest lot seen. The first three cocks of the best possible quality, with the winner in a class all alone. Hens, a rich lot; all winners very strong birds in markings and form. Cockerels, the largest and strongest class. First a marvel, very sharp color. Second a beauty, nice head, etc. Third a very rare and strong bird, and many other good ones here. Pullets in good num-

## POLEY'S WORLD'S BEST BUFF ROCKS

Greatest Victory at Madison Square Garden, N. Y., January, 1913

Winning four firsts, two seconds, one third, two fifths and all shape and color specials and as many points for best display as all of our competitors combined; in the largest class of Buff Rocks ever shown at the Garden and our winning birds were pronounced to be the finest ever shown at the Garden. If you are interested in one of the most beautiful and profitable fowls that is bred get our catalogue and mating list, in regard to our stock, eggs and baby chicks, we have to offer you. We are the largest breeders of high class Buff Rocks in the world.

Linfield Poultry Farm, Jno. W. Poley, Manager, Box R, Linfield, Monmouth Co., Pennsylvania

## MISS CAREY : TOYNTON, SPILSBY

# ENGLAND

## CAMPINES AND WHITE FAVEROLLES

## BUFF, WHITE, BLUE ORPINGTONS

These yards have now earned a world-wide reputation as one of the finest stock breeding yards in existence. For some time past United States of America, Canada, South America, South Africa and Australia have been drawing a considerable quantity of valuable breeding stock from my pens each year and recently many of the leading governments abroad have written to inquire for stock for the government farms.

My Campine and White Faverolle studs will rank as my Orpington studs have done during past years among the very first, for I handle nothing but the very finest quality whatever I take up and do not expect or breed inferior stock. My yards always open to visitors and which are visited now by fanciers all over the world are the finest advertisement I hold in this country, and the fact that for the past five years my stud has made a record untouched by any other in cups and honors at the Dairy, Palace and Club Shows. Stock birds, \$5, \$10, \$15, \$25 and \$60. Trios and pens, \$35, \$60 and \$100. Eggs, \$5, \$10 and \$15 per fifteen; infertile replaced.

**Agents Wanted**—I am prepared to rear large quantities of stock in any of these new varieties and deliver from July onwards.



bers and a nice lot with rare condition. The pens a strong lot.

The Goldenes were close up in quality, but lacked in numbers.

#### Anconas.

The Anconas were a pleasant surprise in numbers and quality, with 101 birds seen. All classes in both Single and Rose Combs were well filled, with the winning cocks and cockerels birds of great merit. The females were well shown, with grand shape and well carried bodies and tails. The second cockerel a bird of splendid shape and remarkable color, with nice wing and the best of style.

#### Black Minorcas.

A class of unusual quality and beauty. The males all seen at their best, nice heads, the best of form and fine carriage. Females all that we could hope for, a dandy collection.

In Rose Comb the exhibit was also surprising; birds of the very best were found in all the classes; color and shape

on an equality with the Single Comb variety.

Blue Andalusians and Black Spanish were good classes with many fine birds seen in both varieties.

Houdans, strong in numbers and of a high class; birds well shown and of splendid shape and size.

Hamburgs and Polish, small classes. Faverolles in several varieties were shown here.

Lakenfelders, a good-sized class of fine birds.

Cornish Games, a quality class with many birds of highest merit seen here; markings and type at their best.

Standard Games were great and strong classes, and in Pit Games birds of all colors and quality were seen.

In ducks the largest classes were of the Indian Runner kind; of these beauty classes were displayed.

The Bronze turkeys were a show all in themselves. In size and in rich quality they were most attractive.

ture and we hope to later give a complete report on this.

#### The Exhibitors and Their Birds.

Barred Plymouth Rocks were a large class well displayed. Many birds of exceptional quality were seen and it was fine picking in each class for the winners. The Yama Farms, Napanock, N. Y., made a great record here, and with a quality good to see. Mr. Newton Cosh was in charge, a happy man. Their winnings were: Cocks, 1st and 2d; hens, 1st and 4th; cockerels, 1st and 4th; pullets, 2d and 3d; and pen, 1st. Their winning cock was a wonder in condition and form and of very even surface and grand under barring. With nice head and standing well, he was a most attractive fellow. Second, up close and a quality bird. Cockerel 1st a very clean and sharp barred bird with fine shape and in best condition. First hen a beauty of sound color and wins color special. Their winning pen a choice collection of quality, the male a real beauty with everything desired, the females well mated and of the soundest and best of color and barring.

The Yama Farms also made an exhibit of their S. C. Black Minorcas, making a wonderful record in a great class of quality birds. In these also their beauty quality was seen to advantage in the best possible condition. Type and sound color a feature, followed by very fine head points. In this class they won: Cocks, 1st and 2d; hens, 2d and 3d; cockerels, 1st, 2d and 3d; pullets, 1st, 2d and 3d; pen, 1st. Every one of these birds are most worthy. They bear out the great reputation this line has made at New York and elsewhere, and it was a delight to see them here.

Mr. L. B. Resseque, Millers, N. Y., made a strong exhibit in the Barred Rock classes with a very choice line of birds of highest merit. His winnings were: Cock, 3d; cockerel, 2d and 3d; pullet, 4th; pen, 2d. He also won shape special in male and female. His second cockerel winning the shape special was a model in form and in general condition, with nice head, etc., standing up well. Third cockerel a large youngster with unfinished wing, will make one of the very best, a bird of great promise and the best of color and barring. Fourth pullet not at her best here, but one full of character and the right bar-

## Buffalo International Poultry Show

The Exhibit a Great Success and of Value  
to the Poultry Industry *By H. P. Schwab*

**B**UFFALO has added another ring to its fame as an exhibition city, for it certainly did itself proud during Poultry Show week. The mammoth Auditorium was daily packed from noon to late in the evening with people from near and far to inspect what the friends of the International had on display for them.

The exhibit was a beauty, complete in all departments, and the visiting public feasted their eyes on this lovely display with wonder. Classes were in about all varieties. There were 1,229 single entries in poultry and 1,110 birds in pens. Bantams, 168; water fowl, turkeys, etc., 280 birds; pigeons, 1,169; pet stock, 173, and canarys, 184, making a grand total of 4,313 birds shown by 369 exhibitors.

Buffalo may have had larger shows—that we don't know of—but we feel safe in saying they never had a better balanced exhibit with greater general quality or anywhere near the attendance that this one enjoyed.

The display made by the J. N. Adam Co. in the center of the hall proved a drawing card and brought hundreds to the hall that would not have been there under ordinary conditions. They came to see styles and while there also enjoyed the poultry display and no doubt will interest many of them in better poultry.

Mr. Geo. Urban, Jr., gave his usual banquet to his friends and the judges and all had a joyous time. A parody on the waiters' strike was pulled off with great success, with his good man Hermann taking a leading part.

In this great show Dr. Merkley did himself proud. He is a hustler of unusual ability and knows the demands of a good show. He was ably assisted by all the officers and members of the association and the show was pulled off as smooth as any we have ever seen. The awards went up promptly and the marked catalogue was out in record time. The laying contest was a fea-

**CARVER'S RED FARM, Seville, Ohio,** SEE AD ON NEXT  
TO LAST PAGE

## NIXON'S WHITE WYANDOTTES

Make the best win at Club meet at Albany, N. Y., namely. **First Pen Young**, also **Third Pen Old**, **First and Sixth Hen**, color and shape Specials, etc. Over 300 birds shown. New literature February,

**CHAS. NIXON, Judge and Breeder** -- **Box 202** -- **WASHINGTON, NEW JERSEY**



## AGAIN VICTORS

### SCRANTON'S S. C. RHODE ISLAND REDS

At LOUISVILLE, KY., against the best REDS of the South, won 1, 2, 3, 4, 5 cockerel; 2, 3, 4, 5 cock; 2, 5 hen; 2, 4, 5 pullet; 1 and 2 old pen; 1 and 3 young pen. \$75.00 Cup for Best Display in show—144 points.

Remember they made the GREATEST WIN at CHICAGO last season that has ever been made in that show by one breeder of Reds—FIVE FIRST PRIZES and ALL SPECIALS, besides many minor prizes.

At Hagerstown, Md., in October they also made a remarkable record. These, with their UNEQUALLED records of past years, stamp them as the LEADING STRAIN of Reds of the present day.

Why do they win? Because they have been carefully line bred for years and have established BLOOD LINES that will REPRODUCE. My matings this season are better than ever before. If you want to know more about them send for a catalogue of matings today. It will be mailed free.

**B. H. SCRANTON** -- **BOX 350** -- **RISEING SUN, INDIANA**



ring. Third cock a beauty in form, but just passed his best. Nice head.

Mr. Resseque also breeds S. C. Brown Leghorns and in these is one of the leaders, having this season made a beauty record at the great Madison Square Garden, New York, show. Here he won in a strong class: Cock, 1st; hen, 1st and 4th; cockerel, 5th; pullet, 1st, 2d and 3d; pen, 1st. The winning cock was a feature of the show, with fine form and size and the best of markings and color. In pullets he made a sweep of record on three of the best we have seen to date. They were in beauty condition and worthy of all they won. In both Rocks and Leghorns he won several special prizes.

First prize Barred Rock pullet went to Mr. John B. Weig, 179 Eaton street, Buffalo, N. Y. He also won 5th cock. The winning pullet was one of extreme quality and beauty in both color and barring. Her bars were of equal width, the white bar pure and clear. Shape very fine and in superb condition. Mr.

Weig has been known as a breeder for some years and has bred many rich winners. This year he also won at the great Rochester show. He is a careful breeder, aiming high for the best and sure to succeed. That quality is bound to win.

White Rocks were another great class, and one of the best at the show in general quality. Buffalo has always had good classes of White Rocks, and this was no exception, for it was rich in all departments. Mr. J. L. Brown, Seaforth, Ont., fresh from his great win at the "Ontario," came and made a far greater record than ever before. This line is one of special merit. They are birds of size and proper shape with pure white color. His winnings here are: Cock, 1st; hen, 1st and 3d; cockerel, 1st and 4th; pullet, 1st and 5th; and pen, 1st. This in a class of 79 birds and winning all specials. Mr. Brown had his birds in the best of condition and such quality has the right to win.

Mr. G. M. Severhill, Buffalo, N. Y., won: Cockerel, 2d; pullet, 2d; and pen, 3d. This line has been winning here for years.

Mr. F. W. Peters, Erie, Pa., another of the old time breeders and winners, won: Cock, 2d; hens, 2d and 5th; and pullets, 3d and 4th.

Mr. Philip Landel, L. G. Brown and C. M. Schreiber were also in the winning.

Buff Rocks were a very fine class of 65 birds, well shown and of a very superior quality, Mr. L. F. Powell, Nunda, N. Y., winning very strong in all classes and including four first prizes. Both the first prize cock and cockerel were exceptionally fine birds of every quality.

Columbian Rocks were a quality class of many good birds. Here Mr. Lew H. Bowman, East Aurora, N. Y., made a record of note by winning in all classes first, second and third, and we think the winning record of the show. His winning males were grand birds, well



## SINGLE COMB WHITE LEGHORNS

"THE MONEY-MAKERS"

Trap-Nested  
Pedigreed

"Standard" Bred  
Line Bred

Choice winnings at Springfield and Decatur, Ill., 1913, and Illinois State Fair, 1912, including 6 firsts, 6 seconds and 9 specials. Illustrated catalogue free.

I. A. ENGLE

--

LATHAM, ILLINOIS



# FRENCH'S POULTRY MUSTARD

Patent Applied For  
ABSOLUTELY PURE

WE SINCERELY regret being obliged to call your attention to the fact that certain unscrupulous supply houses, taking advantage of the demand that has been created for FRENCH'S POULTRY MUSTARD, have been substituting cheap and inferior Mustard products where the poultry fancier has only asked for "Poultry Mustard" or "Mustard for Chickens."

We have seen samples of some of these articles and they possess practically no value at all. FRENCH'S POULTRY MUSTARD is a scientifically manufactured article, containing the flours of different Mustard seeds, so blended as to produce the greatest strength in the volatile principle that is desired, and that is required to produce the fortunate results arrived at by Mr. Allen.

In asking for Mustard for this purpose, ask for FRENCH'S POULTRY MUSTARD. See that you GET French's Poultry Mustard. The name "FRENCH'S" will protect you and in the future French's Poultry Mustard will only be sold in original packages, under unbroken seal. Shipments in barrels and in 100-lb. packages will be shipped direct from the factory. All other packages will have our name and the seal unbroken.

Do not accept Bulk Mustard, and see that our label is unbroken.

Experiments were successfully made in England in 1909, 1910 and 1911 to stimulate egg production, increase vigor and fertility of fowls by the use of mustard. Send us your name and address and we will send you free of charge a copy of a pamphlet as edited by Mr. Ralph Allen, of Herts, England, the conductor of the experiments. The book contains a full account of the experiments extending over the years named, together with a number of testimonials of prominent American users of French's Poultry Mustard. The first issue of 20,000 copies was entirely exhausted within eight weeks of our first advertisement. The second issue is on the press, and contains added testimonials, and will be sent free on application.

French's Poultry Mustard is used and recommended by Edward Corning of the "Corning Egg Farm," Bound Brook, N. J., by "Corning himself," E. B. Thompson "Ringlets," Amenia, N. Y., The Urban Farms, Buffalo, N. Y., Grove Hill Poultry Yards, Waltham, Mass., Haldie Nicholson, Leominster, Mass., and by a great majority of the prominent breeders, and is sure to be used by all. The great egg farms use it regularly, pronouncing it invaluable.

We are adding dealers daily. If your dealer does not handle it, send us his name.

French's Poultry Mustard is an actual improvement upon the mustard used in England during these experiments. One teaspoonful of French's Poultry Mustard for every six fowls is the right amount. Mix it with the dry meal first and then add water until in a crumbly consistency. For Dry

Mash use 1 pound French's Poultry Mustard to 200 to 500 pounds of feed.

Mix with a small amount first then with the entire lot. French's Poultry Mustard can be obtained of any dealer for 20c per pound in 6 and 10-pound boxes, 25-pound kegs, or a sample package of 1½-pound can be had for 35c. If your dealer does not have it, write the R. T. French Co., mustard makers, Rochester, N. Y.

"MUSTARD'S EFFICACY FOR INCREASED EGG PRODUCTION, FERTILITY AND STAMINA IS INDISPUTABLE"

THE R. T. FRENCH CO., DEPT. A, ROCHESTER, N. Y.



shown, and his first pullet one of the best we have seen. Mr. Bowan has won well this season and has a worthy line of stock.

Wyandottes were a strong class all through with the Whites leading in numbers with 151 entered. The winners were a prime lot, well shown, and of the best of quality, with splendid type a feature.

Silver Wyandottes, although a small class, was a good one, with Mr. Vincent Roth winning first in all the classes.

Columbian also small in numbers, but many fine birds seen. Miss E. M. H. Schillings' winning hens were among the very best.

The honors in the S. C. Reds were strongly contested by several well known breeders in a great class of quality. Here were birds of the highest merit in all classes and shown in wonderful condition. Mr. H. W. Alt, 87 Fuller street, Buffalo, N. Y., made a grand winning by taking a leading place in each class, as follows: Cock, 4th; hen, 1st; cockerel, 1st; pullets, 1st and 3d; and 1st and 2d pens, with all specials. His winning cockerel was a wonder in color and of great evenness, under very fine. In form all that we could desire. First hen one of beauty and value, in best condition. Both his winning pens marvels in mating and rich color and markings. Mr. Alt has won here before and has a splendid record back of him and his line of birds.

In R. C. Reds the leading honors went to another worthy Buffalo breeder, Mr. C. E. Riley, 431 Fargo avenue, Buffalo, N. Y. Mr. Riley has also been a breeder of Reds for many years and has made several fine winnings at hot shows and great classes, but his win here this year is no doubt his best, for it was made in a wonderfully strong class of birds, shown at their best. Here he won in a class of 75 birds: Cock, 1st and 4th; hens, 2d and 5th; cockerel, 1st and 3d; pullet, 1st; and pen, 2d. Both his winning cock and cockerel were of the best in all-around quality, rich and even in color, with grand form and nice heads. First pullet a gem in every way.

#### The Banner Class.

The S. C. White Leghorns, with 189 birds in line, were the banner class of the show, one on a par with any ever brought out. The Skylands Farm, Ster-

lington, N. Y., made the exceptional record of winning every prize offered from first to fifth in every one of the single classes, and first and second in pens. To win first, second, third, fourth and fifth in all classes of cock, hen, cockerel and pullet, along with first and second pens, with but two pens shown, is a record we did not think it possible for any breeder to make. It speaks in the very highest terms of this line and of Mr. Harlo J. Fiske. This line has also won at New York and Boston and has many other records of value back of it.

Their winning cockerel also won the grand sweepstake special for best bird in the show. To our mind he was a model in type and finished in condition. His dandy head, with beautiful back and low, but very full tail, made him the wonder he was and a great winner in a great class.

Anconas were a fine class of 138 birds, being one of the largest at the show. Quality was in every class and they received special attention from the breeders and public alike. Campines were a rather small class, but we can excuse this, as they have been out in force all season and at all the shows in good numbers. The breeders were here for a meeting of their Standard committee and were a busy set of men.

The Cornish Indian class was one of beauty and of good numbers, there being 55 birds shown. The five winning cocks and cockerels were certainly very fine birds and great winners.

Black Langshans were a good class with our old friend, Geo. H. Sweet, a leading winner. For all this he spent much of his time in Columbian Rock alley.

Judge Burgott told us the S. C. Brown Leghorns were an almighty hot class, and he ought to know. We have before told of the winnings of Mr. Resseque. Other winners here were Rev. J. G. Taylor, G. G. Henderson, Apel Bros., A. D. Cobb, Tobias Shank, etc.

#### The Orpingtons.

The Orpington classes were all very good and many exceptional birds were seen here. The Blacks numbered 59 birds.

In Buffs there were 63 birds entered with very fine buff color and good type the rule. The Fairfield Farms, Fayetteville, N. Y., won: Cock, 3d; hen,

1st; cockerel, 3d; and pens, 3d and 4th. This line has also made other records of note this year. Their winning hen is easily one of the best and a choice winner.

The Hawthorn Farm, Williamsville, N. Y., also won well here, as follows: Cock, 5th; hen, 3d; cockerel, 1st; pullet, 1st; pens, 1st and 5th. Theirs are birds of quality that will again be heard from. Such stock is bound to tell.

The White Orpingtons with 107 birds was the largest of the Orpington classes and no doubt but one of the best. Mr. Wm. Moore, Hamilton, Ont., did things here, as the following will show, by winning on cock, 1st; hens, 1st and 2d; cockerels, 1st, 2d and 3d; pullets, 3d and 5th; and pen, 1st. Mr. Moore is one of our oldest Orpington breeders in Canada and there at the "Ontario" and at the great Madison Square Garden, New York, he has been a prominent winner for many years. The winning cockerel was one of exceptional type and gives every promise for the future.

In ducks, geese and turkeys many fine specimens were seen to advantage. In these classes there were nearly 200 entries.

The displays, or big breeders' row, as it was called, had fine pens of Single and Rose Comb Reds, Orpingtons, Minorcas and Barred Rocks. The last two were made by the Yama Farms and all were very attractive.

A feature of the show was the laying contest. There were 12 pens entered, each with five females, the pens sealed and its number and record displayed above. Most of these pens made well over a 50 per cent record and some scoring way up close to the perfect mark.

Pet stock numbered 173 entries and Canaries 184. Both these classes were very interesting and well displayed.

With 1,169 pigeons entered it was one of the best classes out this year and one of the largest. The fanciers were there in droves and with Geo. Ewald to lead them there was something on every minute. They were still judging and comparing when I left for home.

The show was a beauty and kept in the best of shape all week, with interest all along and in all classes. It was a credit to all.



CHICAGO SENSATION—First Prize Pen Cock, Chicago, 1910. Pronounced by Judges the Finest Male Bird Ever Bred.

## STANDARD LINE-BRED S. C. WHITE LEGHORNS

EXCLUSIVELY

### I HAVE THE CHICAGO WINNERS

Which have swept the platter clean the last four years and have won more prizes than all other exhibitors combined. My strain in customer's hands "like Farmer and E. W. Grove" has won what few prizes I lost at Chicago, which proves that I sell you eggs and stock from my best birds. My most recent winnings were at the big Louisville, Ky., Dec. 23-28, 1912. The stronghold of the South, where I won. 1, 3, 4 cock; 1, 2, 3 hen; 1, 2, 3 cockerel; 1, 2, 5 pullet and 1 pen, in class of over 150 birds. The cream of the south. Every bird entered by me was placed.

### DON'T BE MISLED

And get your start from a bought reputation, but buy from a specialist who can prove conclusively by his winnings that he breeds the birds himself and knows the art of doing it. The Iowa, Oklahoma and Pennsylvania State Departments of Agriculture and United States Department of Agriculture are among my customers. They know where to buy the best grade of stock for demonstration and experimental purposes. No salve goes with them. They want the goods. That's why they come here. I have plenty of cockerels, hens and pullets of the best quality I ever owned or saw. Write me your wants. Inclose 10 cents in stamps or coin for the original book of information on "Parkside Strain" of S. C. White Leghorns.

THE PARKSIDE POULTRY FARM, N. P. EASLING, PROP., BOX 40, PEKIN, ILL.

●● LARGEST AND BEST SPECIALTY SINGLE COMB WHITE LEGHORN FARM IN THE WORLD ●●



## QUESTIONS AND ANSWERS

Questions will be answered in this department only when full name and address is signed by the writer.

Conducted by

Prince T. Woods, M. D.

### Balanced Rations.

Q. (1) What is the general opinion regarding balanced rations feeding by formula according to the protein and carbohydrate constituents of feed? Has it proved a success from every standpoint, providing the ration is properly balanced?

A. (1) We can hardly stand sponsor for so broad an answer as "the general opinion." Personally, we believe that there is a lot of nonsense and humbug in what some folks are pleased to call scientific accuracy in balanced rations. A ration may show by analysis a balance in chemical content that would meet the requirements of a given formula for scientific balance, yet lack in palatability, digestibility and availability to such an extent that it has no practical value as food for good results. A ration that works well under some conditions does not work as well under others. We believe that it is, for most poultry feeders, time wasted when much attention and importance is given to compounding special food formulas and "scientifically" balanced rations. No man has yet demonstrated his ability to balance the fowl's ration in ready mixed foods as well as the fowl can and will mix the foods for itself if given a chance to do so. In ready mixed foods there are a wide range of formulas which yield good results. The essentials in poultry feeding are to supply plenty of wholesome food and a variety of it and give the fowls an opportunity to do their own balancing—provide wholesome palatable foods and let the fowls do the rest.

Q. (2) What is the accepted nutritive ratio for laying hens of average weight?

A. (2) Our advice would be to "forget it," and turn your attention to something of more practical value. Doctors are still disputing over the desirable nutritive ratio of foods for human beings. "Experts" are still ar-

guing over scientific rations and nutritive ratios in poultry and animal feeding. We don't pretend to know the answer. The term "nutritive ratio" is simply a measurement of quality,—of proportionate value of principal food elements. It represents the proportion of nitrogenous to non-nitrogenous elements. So far as practical usefulness to the poultryman is concerned it has little significance. In the use of foods the animal economy has a wide range of adaptability and will accommodate itself to conditions. Appetite is the best guide in feeding. We have more confidence in the promptings of a normal stomach than in the best diet lists that have ever been drawn up. Give your fowls a variety of grains, some good meat food, plenty of succulent greens, fresh drinking water, crushed oyster shells and grit and then feed them according to appetite. If you give them plenty of food an opportunity to do their own balancing, and cater to their appetites as suggested, you will get results that will make the most expert "scientific feeder" wish he knew your secret.

Q. (3) In my location the variable winds are the southwest trade winds, blowing from June to September, almost daily, though not a cold wind. Should my open-front houses be faced directly south?

G. A. H.

Elmira, Cal.

A. (3) Face them south or enough east of south to take the wind on side at a good slant.

### Mating.

Q. Last April I started with 250 S. C. White Leghorn eggs from a good



laying strain. The pullets are now in an open-front house and laying well. I have saved three fine cockerels. Would it be all right to breed these cockerels to my pullets, using one cockerel to 12 pullets? Then how should I mate the following spring and thereafter?

Indianapolis, Ind.

H. D. S.

A. Each cockerel should be able to take care of from 20 to 25 pullets. This will give you three families to draw from for breeding and it should not be difficult to choose a plan of breeding that will avoid very close inbreeding. Our chief concern in the selection of breeders would be to choose well grown, strong, well developed, healthy specimens of both sexes. You will have so wide a range of choice in mating up the second season that you can have almost as many families as your plant will accommodate.

### Cropbound.

Q. Two of my hens have heavy crops which hang down like a bag on their breasts. They have been this way some time. They will never eat anything and act sick all of the time. They mope about the house and stay indoors. The crops are full of corn and other food.

C. J. S.

Milwaukee, Wis.

A. Probably in this case the only relief is surgical. Cut open the crop. Remove the contents carefully and thoroughly wash out the crop with warm water. Cleanse the parts well. The cut edges of crop should then be carefully sewed together with fine sterilized gut. Be sure to bring the raw outside edges closely in contact. We never waste time in treatment of crop-bound hens or those with slack crop and always sell them off to the "hen man" (collector) as soon as we find any.

### Expected More From "Utility Eggs."

Q. In a recent issue of A. P. J. I read an article about a certain breeder of poultry, who lives here in my state,

## DIRK'S RED MITE KILLER

One application kills all mites and prevents their reappearance during the season. Keeps fowls free from body lice. Make scaly legs bright and clean. Keeps lard pastry and sweets free from ants. Bedbugs give no trouble where used. Will ship one trial can to be paid for when satisfactory to user. Price—Quart, 50c; half, gallon, 85c; 1-gallon, \$1.50, or \$1 cash with order pays for one trial gallon. Booklet free.

M. E. DIRK, Box 102 : NORTH BALTIMORE OHIO

Marshall & Marshall, Distributors for Canada, Niagara Falls, Ontario

## AMERICAN EGG MACHINES

WOULD REALLY BE THE MOST FITTING NAME FOR THE "FROST-WHITE" STRAIN OF S. C. WHITE LEGHORNS

No better layers, no handsomer chickens, no more profitable breed of fowls are bred in America, than this popular strain. Think of it! Our pullets are laying at the age of 18 weeks, and often produce as high as 175 eggs per year. This explains why Leghorns are the favorite fowl on 90 per cent of the big egg farms of the country.

In 1911-12 our White Leghorns won at New York and Chicago—the two greatest poultry shows in America. At the recent Northern Indiana Show, our birds won five out of eight possible prizes. One of our cockerels also captured the Sweepstakes Champion Cup for best bird in competition with all the other varieties on exhibition. This is certain proof that the "Frost-White" Strain, in addition to being the most prolific layers, also possess the highest type exhibition quality.

Why Not Improve Your Flock with One of Our Males?—We have 200 cockerels for sale that are as fine as can be had. They have been raised from our winners. Many of them carry in their veins the blood of "Beau Brummel," the whitest and largest White Leghorn male ever bred. His sons will give quality to your flock. We must have the room for our breeding pens and will sell 100 cockerels at \$2.50 to \$20.00 each. Write and tell us what you want.

Eggs for Hatching—We have twelve pens mated for the hatching season. Every bird is "frost-white," has splendid type, vigor, stamina and the egg laying habit bred in the bone. Orders booked now. Price per setting of fifteen eggs, \$2.50 to \$10.00. Eleven chicks guaranteed.

Send for our circular. It's free. It describes all our pens.

The Willows Farm, Oscar Luedke, Mgr., Lock Box 488, So. Bend, Ind.  
(References: The American Trust Co., South Bend, Ind.)

"Beau Brummel"  
1st Prize Pen  
New York, 1911





telling about his fine stock, etc. Now here is my question. Last spring I bought a sitting of 15 utility eggs from this man and paid him his price for them in addition to the express charges. Four chickens hatched from this sitting. I ordered another sitting at half price and got 7 or 8 chickens from that. These chickens were every one scrubs, healthy and vigorous enough but showed no semblance of having any more good blood in their veins than chickens from eggs that I can buy at market prices. In fact every chicken that I have on my place shows better breeding and better stock than these. I was well aware of the fact that I could not buy the best eggs for \$1.50 per sitting and I know that \$1.50 is cheap for utility eggs. I did not expect prize winners but neither did I expect scrubs. If you could see them that is what you would call them. Is this all I can expect from utility eggs and do all breeders furnish the same kind of eggs that I got, showing no good blood for utility prices? I would be pleased to have you inform me. I am not squealing because of the amount of money I spent for that was very little. M. D. R.

Indianapolis, Ind.

A. We would like to see those "scrubs" you raised from the "utility eggs." If we could see them we would then have a better idea of what you expected and what you got. Some breeders are very careless about mating up what they are pleased to call "utility pens," and these utility pens are simply the culls of the fancy flocks and

the main consideration is to get plenty of eggs to supply a demand for cheap eggs. That is not the case with breeders who are endeavoring to satisfy their customers. Utility flocks should be built up on a foundation of utility values, eggs and meat production. The flocks should run fairly uniform and show good breed characteristics in size and shape when running on range. On handling the individual birds probably quite a few of them would have what fanciers term "holes" in them, that is, they would be shy in some standard requirements that are necessary to make exhibition specimens. The color might look well in the flock but show faults on close inspection. There should be good size; with good depth of body, good breadth and length of back for the variety, good health, vigor and productivity. If we were buying "utility eggs" we would not go to a fancier for them, as in that case we would expect to get eggs from flocks of culls or cull eggs from other matings. We would buy our utility eggs from a breeder who makes a business of breeding and growing utility stock and we would consider the results the birds from such eggs gave us in growth, meat value and egg production quite as much or more than other points. Chicks from utility eggs should not be measured by fancy standards, though in many cases a big flock from utility stock will yield some fine specimens of the variety.

#### Chicken-pox.

Q. (1) The usual advice given is:

"In case of serious disease it is better to kill the sick fowl." Is chicken-pox considered a "serious disease?"

A. (1) A fowl may have chicken-pox and not be seriously ill. We believe you have misinterpreted the advice. If we are not in error, or if the printer has not mixed things up, the advice has been that in cases of serious illness (very sick fowls, too sick to respond promptly to simple treatment) it is better to kill the fowl and burn the carcass.

Q. (2) Does an apparently light attack injure a hen as a layer or breeder?

A. (2) No.

Q. (3) Is any internal treatment of benefit in chicken-pox?

A. (3) Sometimes. Obtain from your druggist a small quantity of calcium sulphide. Make it up into powders, using in each powder about what will barely cover a silver dime. Dissolve one powder in half a gallon of drinking water and allow the fowl no other drink. For local treatment cleanse the sore parts with warm soft water removing all scabs and crusts. Then apply dioxygen to the sores. When bubbling ceases wash the parts again and dry thoroughly. Then rub a little carbolated vaseline into the sores.

Q. (4) Does an attack of chicken-pox render a fowl immune to other attacks?

A. (4) No.

Q. (5) Is it possible to get rid of this disease when once established? Grounds too large to disinfect.

A. (5) Yes. The disease is caused

## Special Sale of Fine Breeding and Exhibition Stock

### BARRED PLYMOUTH ROCKS

90 hens used in last years breeding pens, \$2.50 each. 400 nice pullets, \$2 each. 200 nice cockerels, \$2 each.

### SINGLE COMB BROWN LEGHORNS

Pullets, \$2.00 each. Hens, \$2.00 each. Cockerels, \$2.50 each.

### RHODE ISLAND REDS

Pullets, \$2.00 each. Hens, \$2.00 each. Cockerels, \$2.50 each.

One pen high class Partridge Cochins at \$15.00 We are quoting you on high class stock only. Can fill your orders promptly.

W. H. SURFACE & CO.

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INDIANAPOLIS, INDIANA

## THE HENDERSON STRAIN OF BARRED PLYMOUTH ROCKS

### AT CHICAGO DECEMBER 1912

In competition with the best from the yards of America's foremost breeders I won 1st and 2d cockerels, 2d cock, 2d and 3d pullets, 5th cockerel bred hen, 4th cockerel bred pullet, 3d cockerel mated pen, 3d pullet mated pen, and GRAND CHAMPION MALE OVER ALL THE BARRED ROCK MALES IN THE SHOW.

Compare my winnings at this the greatest Barred Rock show ever seen in the Mid-West with those of my competitors and YOU SET THE SEAL OF CHAMPIONSHIP ON THE HENDERSON STRAIN. Write me your wants in Barred Rocks. I can furnish anything you desire and guarantee satisfaction. My 1913 mating list describing my 30 breeding pens in both cockerel and pullet lines is now ready for distribution. Write for it.

W. W. HENDERSON 921 SECURITY BLDG. ST. LOUIS, MISSOURI  
FARM, BRIDGETON, MISSOURI..



by a parasitic fungus. The "germs" multiply in damp, mouldy or rotten litter and waste and in collections of filth or droppings. Mild damp weather with warm days and cold nights favor the development of the disease. House your birds in sanitary open-front buildings, keep them reasonably clean. Prevent accumulations that foster germ breeding.

Q. (6) Is there any connection between this disease and the so-called chicken-pox in human beings and is it contagious from one to the other?

A. (6) We do not believe so.

Q. (7) How is the contagion carried from one fowl to another, through the air, by actual contact, or may it be conveyed through the drinking water?

H. F. A.

Northboro, Mass.

A. (7) Usually by contact. Enters through scratches, abrasions, bites of insects, etc. Commonly fowl with feet fouled with filth containing germs infects soft bare parts of face, comb and wattles by scratching. Possibly may be taken into the system through infected food and water.

#### Create More Fanciers.

Q. What steps are the poultry journals taking to create new fanciers which mean new subscribers? The old fanciers are few, many have gone into the beyond since I took the old Poultry World of Hartford, Conn. I am glad H. H. Stoddard still lives and writes so many practical articles. In this city probably 800 people keep poul-

try and I think not 20 of them take a poultry journal. If the people were not interested they would not keep poultry. They buy eggs and birds of breeders of pure bred fowls. How many amateurs will show at exhibitions where comparison judging is the rule? What do they get out of it? They show to find out how good their birds are, and to show others how good they are, quite as much as to win prizes. The small shows create interest and make fanciers. New exhibitors would take more interest and get more out of the shows if explanatory score cards were given to each specimen exhibited. It would help to make fanciers. I would like to have the poultry journals offer a year's subscription to every new exhibitor at the shows but no prizes to winners. One of the old judges at Boston stated that there was a score card in the secretary's office for birds he had passed upon.

"Old Breeder."  
A. We are glad to have "Old Breeder's" suggestions. We believe we are all of us interested in having more fanciers. New fanciers are coming to the front each year and we are always glad to do our part to welcome, interest and help them. From our viewpoint the interest is steadily on the increase. While the world wags along and the light continues to burn we will have good fanciers with us and we shall always be glad to see more fanciers, better poultry and more of it.

#### Pullets Lay on Roosts.

Q. Will anything besides being over-

fat cause 10 months old pullets to lay on the roosts?

H. F.

Terre Haute, Ind.

A. Pullets "don't care a hang" where they lay eggs. They are apt to drop them wherever it happens to suit their convenience until they get well broken in as layers and have decided on a satisfactory nesting place. Do not believe that condition, or overfatness has anything to do with it. Laying while on the roost, or about the pen, or in the yard is more apt to mean nothing but carelessness on the part of the pullet. If you provide plenty of comfortable rather dark nests, and use a few nest eggs at the start, in a short time most of the pullets will use the nests. Now and then one of them won't. Some will be just "cussed" and will drop eggs any old place and leave you to run around and pick up after them. It is a good plan to do the picking up promptly to prevent breakage and temptation to egg eating. Where large numbers of fowls are kept it is not uncommon to find three or four eggs out of every hundred dropped outside of the nests. Pullets offend in this matter more often than fowls, but now and then a fowl gets careless where she deposits her egg, or else gets taken short with it when on the roost at night. Don't worry. We are glad to get the eggs no matter where they drop 'em, though we prefer them in clean nests.

#### Meat Food Questions.

Q. (1) At same cost which would be



## Andrews' White Wyandottes

**Boston Winners Again, 1913**—In strongest competition ever known, first pen, second, fourth and fifth cock, second and third hen, second cockerel. Remember, I hold the world's record of winning at Boston every year for the past sixteen years. Six first pens in the last seven years. Three first cockerels in the last four years. Four second cockerels in the last four years. A few grand breeding males left that will do you good. Send for mating list showing winners. Eggs from finest matings ever bred, \$10 per fifteen, \$18 per thirty, \$25 per forty-five. Book early.

**J. W. ANDREWS, BOX A, DIGHTON, MASSACHUSETTS**

## PEERLESS EXHIBITION S. C. W. LEGHORNS



My 1913 Mating List is now ready and will be mailed free to any address. Every fancier, egg farmer, and everyone interested or who might be interested in White Leghorns, should get in communication with me at once.

I have a proposition which affords you an opportunity to secure eggs from 20 of the grandest exhibition-laying matings ever assembled at almost your own price. This is something absolutely new that I am trying out to better establish my already famous Peerless Strain White Leghorns. You will agree that no such opportunity to get a first-class start in the premiers of all living fowl was ever offered before.

Even though you have New York or Boston winners or good layers and feel that my proposition could not possibly interest, write me anyway. Then if I cannot convince you that I can do you some good there will be no harm done.

Wish you would read the following interesting facts: The first prize bird in one of the hottest classes, if not the hottest class, of White Leghorns shown in 1912, was bred by me. The record price, \$250.00, was paid me in November, 1912, for a single cockerel. Over 500 utility Peerless White Leghorns left my yards recently to five egg farms, rated amongst the leading ones of the country. Two Peerless Pullets and one cockerel were given preference over all other American strains, although at greater cost, for special breeding purposes in Australia. At Sioux City, December, 1912, the largest strictly up-to-date show held west of Chicago in recent years, I won four 1sts; four 2nds, and three Championship cups and all Specials. REMEMBER, I DID NOT COMPETE FOR ANY PRIZES AT THE RECENT CHICAGO AND ST. LOUIS SHOWS, ALTHOUGH MY NAME APPEARS IN THE CATALOGUES. Fellow fanciers, breeders and beginners, I urge you to send for my free Mating List and Special Offer today. If you are busy a post card will do.

**LEON C. HUNTINGTON**

**BOX 12B**

**OMAHA, NEBRASKA**



the better for fowls, a pound of cooked meat or a pound or raw meat?

A. (1) We don't know. If we were sure that the meat was sound and sweet and free from parasites or disease germs we should feed it raw. If we felt in any doubt about it we should cook the meat thoroughly. There is less risk of getting fowls out of condition when feeding cooked meat than when feeding raw meat.

Q. (2) Can you give me some idea of the way beef scraps, as bought in the market, is prepared; whether cooked and dried, dried raw, or how?

A. (2) Scraps are prepared from refuse meats of various sorts and the quality of a scrap depends on what goes into the making of it as well as the method of manufacture. The waste meat and bone is thoroughly cooked

and the fats are extracted under high pressure. The remaining cake, after having the moisture dried out of it, is ground into scrap of suitable size for feeding.

Q. (3) About how much charcoal should I use in moist mash per 25 hens per week?

A. (3) None at all. Better leave the charcoal out of the mash. Keep charcoal before the fowls in a hopper and let them eat what they want of it.

Q. (4) Is it wrong to feed fat meat such as raw beef tallow to laying hens?

A. (4) No, not unless you overdo it when they are not used to it. They will take to it like a youngster to candy.

Q. (5) I have a pullet eight months old that turns her head up and sideways and sometimes so badly that her

head rests on her back with a wiggley motion. Is she worth keeping?

Devil's Lake, N. D.

L. R.

A. (5) She is not.

#### Parasitic Disease.

Q. Please give cause and treatment for fowls losing feathers on neck and heads. Also treatment for scabby legs.

Hazel Dell, Ill.

Mrs. C. K.

A. Both are caused by parasitic disease the result of becoming infested with scab mites. The use of sulphur ointment followed by thorough cleansing with soap and warm water a few days after the first application is usually effective. If the first treatment does not get rid of the pests, apply the ointment every day for three days or every other day for a week and then bathe the parts as before. Persistent treatment will cure.

#### Care of Hatching Eggs.

Q. (1) Are eggs injured for hatching if left in a temperature below freezing for several hours, if they are not cracked?

A. (1) Not necessarily. While it is not wise to expose eggs intended for hatching long to very low temperature they can and do stand a lot of chilling and still hatch. We have had good hatches from eggs taken from a lot that had been exposed to so low a temperature that some eggs on outside of case had frozen and burst open; eggs being packed in a regular market case with fillers filled up with sawdust. When temperature is 32 degrees F. or above that point we collect eggs once a day. Between 32 degrees and 15 above zero we collect eggs at noon and just before dark. 10 degrees above zero or below that point we collect eggs three or four times daily according to the severity of the cold.

Q. (2) What is a good method of keeping hatching eggs?

A. (2) Place the eggs in clean boxes without regard to position, put them in just about the way they would be found in a nest. Cover with a piece of woolen blanket to protect from drafts. Keep the boxes in a cool, clean room where the air is sweet and pure. The temperature of the room should not be below 40 degrees nor above 60 degrees.

Q. (3) How long should they be kept?

A. (3) The fresher they are when set the better the results, as a rule. They can, under favorable conditions, be kept three weeks. Do not keep them longer than you have to.

Q. (4) Is it a good plan to keep the temperature of a hot air incubator at 102½ the first week, 103 the second, and 103½ the third?

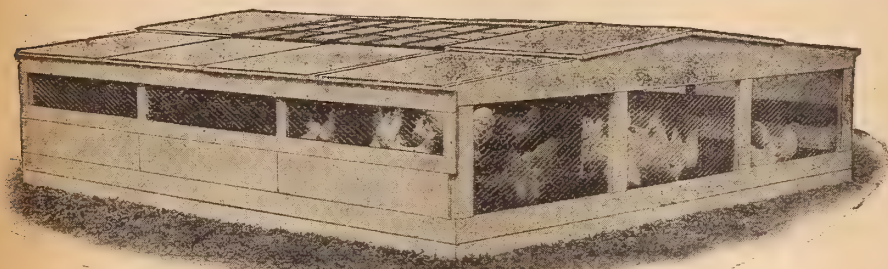
A. (4) Sometimes it is. It depends on the machine and the position of the thermometer. The best plan in incubator operation is to follow the directions given by the manufacturer. The printed directions he sends with the machine ought to tell the right temperature and the right way to run it.

Q. (5) The incubator I have has a nursery but I have heard something to the effect that the chicks in dropping from the hatching tray to the nursery were chilled by the drop in temperature and so developed bowel trouble. Please advise.

N. J.

Chicago, Ills.

A. (5) If you have confidence enough in an incubator to put your good money into it, you ought to have suffi-



## The Philo Method of Housing Poultry

**J**UST as the hatching and brooding equipment of the Philo System has been brought to the highest possible efficiency, the housings for the mature birds have been worked out on the same principles of safety and comfort; cleanliness and health. Several styles and types of coops have been perfected for various ends, all adapted to the peculiar needs of the System.

With the Philo System of housing and caring for the fowls there is never the slightest objection to keeping a few hens in the best kept yards and gardens, and it is no longer an uncommon sight to see a coop or two of laying hens, and often of baby chicks, set out on a well kept lawn and often surrounded by roses and other beautiful flowers.

The Philo Adjustable Coop is the latest and most satisfactory all-round coop for small flocks and puts poultry keeping within easy reach of any family having a small plot of ground. Price of the Adjustable Coop, complete, for six hens, \$12.00.

The Utility Coop shown above is unquestionably the best coop ever built for housing growing chicks in large numbers or mature fowls in large flocks. It is 12 feet square and 3 feet high. It affords very ample accommodation for 100 chicks from two to four months old, or from 50 to 70 mature fowls. As a laying house for large flocks, no coop has ever been placed on the market to equal it. The coop fully equipped for use in the Northern states \$40 f. o. b. Elmira. As built for the South \$35.

Other Philo Equipment includes Brooder Coops, Economy Laying and Breeding Coops, Fireless Brooders, Poultry Remedies, Feeding Troughs, Drinking Fountains, and other equipment and accessories for the well conducted poultry plant. These are described and illustrated in our book "Poultry Profits by the Philo System." This book is sent free. Send for a copy today.

## Cycle Hatcher Co.

323 North Avenue, Elmira, New York



cient confidence in the manufacturer of the machine to assume that he knows what he is about, knows how to make a good incubator and knows how to furnish printed directions that tell how to get best results. If you haven't that much confidence in the manufacturer we can't see why you parted with your money. We don't know what make of machine you have. If we had it and were in doubt, as you seem to be, we should get after the manufacturer with a few polite letters until he set our doubts at rest. In the meantime we should TRY IT and FOLLOW THE PRINTED DIRECTIONS. The nursery in such machines as we have used has never given us any trouble, except in case of one make or machine and we have been assured that the manufacturer of that machine has corrected the fault in the machines he now puts out, though we have not tried one of the new ones. Usually "bowel trouble" in very young chickens dates back to the breeding stock that laid the eggs.

#### Wry Tails and Other Deformities.

Q. What causes chickens' tails to be on one side and what treatment can I give? One of my cockerels has a knot on his back where the leg joins on and his tail hangs to one side. Will that injure him for breeding?

S. J.

St. Louis, Mo.

A. Sell the bird to the butcher. He is not fit to breed from. The wry tail comes from a deformed back in this case. Don't breed birds with wry tails or other deformities.

#### Tape Worm.

Mr. Editor: I noticed in January "Questions and Answers" a query headed "Peculiar Symptoms" from S. J. H., Utica, N. Y. As I have just completed a very successful course of treatments on a very valuable exhibition White Rock cockerel I take the liberty of addressing you, hoping that the information may be of value to S. J. H. or any other breeder who experiences the same difficulty. The symptoms of my bird were identical with those described by S. J. H., though I think my bird must have had a more severe attack. He was first taken sick during a recent show here and I was compelled to remove him from the show room before the show closed. Had the opinion of several fanciers and every one said he would die sure. Several had had similar cases, all of which proved fatal. Any way I determined to make a hard fight to save the bird. Began dosing him with castor oil, turpentine and sulphur and occasionally a drop of croton oil. He lay for three or four days with his head drawn back under his breast, his case very much resembled some spinal affection. Along with the other ailment he became crop-bound which I overcame by feeding him sharp grit and massaging crop thoroughly several times a day. About the fourth day I began giving him warm injections of ivory soap suds and was rewarded in a few hours in getting a tape worm some three or four inches long. I continued the soap and water injections twice a day for several days and he improved daily. Now he appears to be entirely recovered.

J. G. COLLINGS.

Terra Haute, Ind.

#### Electric Car and Hatching Eggs.

Q. I bought eggs for hatching at two different times and brought them

home on an electric car and I did not hatch a chick from them. I was told later than having them on an electric car killed the germ. If this is so, will you please answer in the next A. P. J. Probably eggs are often sent by electric express part of the way and information might help to better hatches.

Montgomery, Ill.

W. J. G.

A. The electric car ride the eggs had did not have anything to do with the failure to hatch. Thousands of eggs have been carried on electric cars and have hatched well after the journey. Somebody has been trying to "josh" you. Some electrobaters, fitted with electric lights, are fine hatching machines where the current can be depended upon. We ship and receive hatching eggs by trolley express right along and the eggs give fine hatches.

#### Ration for Reds.

Q. I am a new subscriber to A. P. J. and I would like to have you answer this question as I have been given so many answers, all different, that I have not time or means to try them out. What is the best grain ration for Rhode Island Red pullets? For hens? If you can give me the amounts of each kind of grain to be used and the amount to feed I would be greatly obliged. I want to get best results in egg production.

G. T.

Stoughton, Wis.

A. We don't know any best ration. We vary our feeding from time to time, according to the appetites of our birds and the preference they exhibit for certain foods and endeavor to supply them with what they want most. This plan gives a ration which shows some



## 500,000 Chicks Hatched in 400 Cycle Hatchers

WE HATCHED this number of chickens last year in our own factory, and they were sold for \$14,500.00, and shipped to nearly every State in the Union. In addition to these, several thousand were hatched for raising in our own yards. We make Cycle machines for our own use and make large profits by using them.

When a manufacturer can make large profits by using his own goods, it is the very best guarantee that others can make money by using the same goods.

Some machines are made to sell. Ours are made to use and we use them and others who will use them can make large profits just as we do. You can start our way without having a fortune to start with. Our business has been built up without any borrowed capital.

Our chickens are hatched right and are strong; that's the reason they grow and are profitable.

While first of all we are manufacturers of incubators and poultry supplies, our manufacturing is founded upon the years of practical and successful poultry keeping experience of Mr. E. W. Philo, probably the best known practical poultryman of America.

Every article of our manufacture is the result of years of study and experiment—and must prove of actual, practical value, that will make it a profitable investment before we will offer it to the buying public.

Our experimental work is done in our own poultry yards—and here we meet almost every kind of poultry problem. We have undoubtedly had many problems similar to yours, and you are offered the benefit of our experience.

Write for a free copy of poultry book and catalogue, "Poultry Profits." It will show you new possibilities in poultry keeping, for pleasure or profit.

## Cycle Hatcher Company

Main Office, 322 North Ave., Elmira, N. Y.

Or address our nearest branch office:

Chicago, Ill. Houston, Texas Des Moines, Iowa Denver, Colo. Jacksonville, Fla.  
Lake Preston, S. D. Oakland, Calif. Atlanta, Ga. Aulander, N. C.



but it yields fine results in eggs and in fertility. Our feeding formula is practically: Feed plenty of wholesome food according to appetite and give them all they want of it. At the present time we use automatic feeders for our own convenience. The fowls learn to use them readily. The ones we have are not large enough to suit us and have to be filled twice a week. We intend to put in larger feeders (40 quart size). A 40-quart feeder will supply scratch grain for 25 fowls for one week very comfortably. In addition to the scratch grain in the automatics, which work very easily when picked at by the birds, (the feeders are not exercising machines), we keep a hopper of dry mash and at times a hopper of plain beef scraps before the birds. These hoppers are simply open boxes placed on the floor. We grind and mix our grains and mashes once a week. At this time the ration is varied somewhat in proportions according to the attendant's observation of the appetites of the birds. We want them to keep their appetites keen and to eat all they want, the more they eat the better they please us. The egg yield has kept right on climbing from the start and in the very cold days of early February the egg production made steady gains. What kind of fowls do we feed? We

are feeding Rhode Island Reds, White Rocks and Buff Wyandottes, both pullets and fowls.

What do we feed? As we have said before the ration varies somewhat from time to time. The scratch grain is very largely freshly cracked yellow corn. At present writing the proportions are about as follows: Cracked corn, six buckets; red wheat, buckwheat, heavy white oats, barley and kaffir corn, each one bucket. Sometimes the proportion of corn is greater but it is seldom less. Sometimes the buckwheat, barley and kaffir are omitted and the corn, oats and wheat correspondingly increased.

Whole corn is sometimes fed at night as an extra allowance if they seem a little slow in filling up. In very cold weather the dry mash boxes may be filled with whole corn for a few days and plain beef scrap furnished in another hopper. When the appetite lags they get dry mash again in the hopper either with or without beef scraps in it. If the scrap is in the mash they do not get plain scrap in the extra hopper. If the dry mash does not contain scrap they get beef scrap plain in another hopper. The whole system of feeding is keyed on the appetite of the fowls. The first sign of losing interest in any kind of food brings a change

that increases appetite and interest. It takes heavy eating to give heavy production. The present dry mash contains about equal parts of barley, wheat, oats and buckwheat ground into a fairly fine meal, (the oats and barley hulls stay right in the mash and are always cleaned up, also the buckwheat hulls) to this fresh ground chop is added plenty of good sound yellow corn meal, about five per cent dry ground alfalfa and from twelve to fifteen per cent beef scraps. The proportions of the ground grains in the mash vary just enough to keep appetites keen for it. Corn meal is always well represented in this mash and varies from a little less than one-third to a little more than half of the whole. Gluten feed and coarse bran are also used in the dry mashes. Though since we began grinding our own grains we have fed very little bran, middlings and other millstuffs. We are well pleased with the results thus far and believe that our actual feeding cost is less, all things and results considered, now with home grinding and labor cost added, than it was when we bought all cracked grain and millstuffs at the elevator. For green food we use cabbage, vegetables and sprouted oats.

We believe that if you make good corn and oats the staple grains for feeding your Reds, give them a little

## PERKINS' PARTRIDGE PLYMOUTH ROCKS

EGGS FOR HATCHING, 20 PENS MATED FOR THE TRADE. 8 pens, \$40; 3 pens, \$30; 9 pens, \$10; 6 pens, \$5; range flock, \$3 per setting. Beautiful mating list containing colored insert of pair of fowls free.

F. N. PERKINS

22 HARLEM ROAD

FREEMONT, ILLINOIS

## White Orpingtons

Eggs from 8 grand select pens. Strongest of winning quality. Illustrated mating list describes each pen and will interest you. Contains winnings and testimonials. Address

F. S. BULLINGTON,  
Sec'y-Treas. Am.

Box A, RICHMOND, VA.  
White Orpington Club

## FRAZIER'S BUFF ORPINGTONS

Makes their fourth Grand Win at the great Indianapolis show, the Studio of the Fancy, Feb. 4-7, winning 1st cock, 2d and 4th cockerels, 1st pen, (young) 3d hen, sweepstakes cock, silver trophy cup for best display, points counting; two other cups for color and shape. Besides in 1912 I made grand winnings at Springfield and Louisville, should be ample proof as to quality of breeding yards. Every prize winner in my yards. Eggs, \$10, \$8, \$5 and \$3 per 15; Col. eggs, \$1.50 per 15, \$4.50 per 50, \$8 per 100. Mating list free. 50 grand cockerels for sale.

J. S. FRAZIER,

Box B,

ADVANCE, INDIANA



## ROSE COMB REDS

At the great Pittsburgh Poultry Exposition, January, 1913, we won in a large class 1st, 3d and 5th cock, 2d, 3d and 4th hen, 1st cockerel and 5th pullet. Grand Champion male of show. Best display, and shape and color special on male. Lester Tompkins, judge. Our Reds have also won high honors at Chicago, Boston, Cleveland and Buffalo. Eggs from these winners at \$5, \$10 and \$15 per setting, being one of the most reasonable offers ever made by a reliable breeder of Reds. We have some fine breeding males and females for sale. Don't fail to send for our mating list which describes every mating in full. It is free; send today.

SIMMONS & CRITTENDEN

GENEVA, OHIO

## "Blue Orpingtons"--"Silver Campines"

As the originator and introducer into America of Blue Orpingtons, I can offer the best breeding stock and eggs in the world of this variety. Pullets from \$15, cockerels from \$25, eggs \$15 a sitting (15 eggs). As I was judging this variety at the last Madison Square Show I could not exhibit, but in 1911 at this show I won 1st and 2nd cockerels, 1st, 3rd and 4th pullets and at the Crystal Palace, London, 1st cup and 3rd cockerel and 1st cup, 2nd and 3rd pullets. In Silver Campines, many good winners in America in season 1912-1913 were raised from pens shipped by me to America early last year, and it was freely admitted my display pen at Madison Square this year was the grandest collection of

Have a few really good breeding pens left: Pecord price. Campines ever penned in America and fetched the pullets, \$6.25; cockerels, \$7.50; stock to breed high class winners from \$12.50 pullets, \$20 cockerels. Eggs \$10.50 a sitting. Export coops free on order \$35. I shall have 1,000 Silver Campine pullets ready for shipment in October. Book your order now. I guarantee live delivery to port of landing. Export to all parts of world.

Max de Bathe, Hartley Court, Reading, England

Cables "Debathe Spencers-Wood"



variety grain from time to time to tempt their appetites, a dry mash of bran, middlings, gluten and cornmeal about equal parts by bulk and plenty of beef scraps, pay a little attention to the wants and appetites of your birds, allow plenty of green food, and feed them liberally, you will get eggs and plenty of them. Good eggs too, for only a well fed egg is a really good egg. Don't try to feed by exact rule, weight and measure. It won't work well.

#### The Corrected Standard.

Q. A short while ago I purchased for \$2.50 a copy of the American Standard of Perfection. This book on its front cover bears the inscription, "Revised and Illustrated, 1910." Now I notice in A. P. J., said book advertised showing on front cover the date "1912," indicating that the book was revised in 1912. What I would like to know is, have I been sold an old edition?

Indianapolis, Ind. B. F. S.

A. The "1912" in the cut shown in ad is probably an addition made by artist who made the cut or by the printer. Pay no attention to the wording on cover of your book. Look for the copyright, that will tell the story.

If you find on page 2 at the bottom page, opposite the "Introduction," the words "Copyright, 1912" you have the corrected and revised 1912 edition. Whenever you want to know what edition you have of any book, look for the latest copyright date on page following the title page. The dates on cover or title page may not mean anything, but Uncle Sam requires that the copyright date be correct.

#### Off-Colored Feathers in White Orpingtons.

Q. (1) Are a few partly grey or off-colored feathers in the plumage of White Orpingtons a disqualification?

A. (1) The standard says that "feathers other than white in any part of plumage" disqualify.

Q. (2) Would it be bad policy to mate a cockerel and pullets, (not related) for breeding purposes?

Fort Wayne, Ind.

F. C. L.

A. (2) If the birds are well grown and fully matured you will probably get good results.

#### Feeding Beef Scraps.—Hoppers.

Q. (1) In regard to what H. H. Stoddard has to say about balancing rations in the December A. P. J., do

you think it is advisable to give breeding stock all the beef scraps they will eat, when the main object is to get strong fertile eggs?

A. (1) It depends on the fowls and upon the quality of the scraps. Good sweet wholesome beef scraps will not hurt them if they have it before them all the time and after the first few days they will not eat too much. At first, when not used to scrap in hoppers, they may make hogs of themselves and get a little diarrhoea from overeating scraps. If they have plenty of whole corn, green food, grit and shell where they can get as much as they want of it, the disturbance from too free eating of scraps is soon over with and requires no attention on part of the attendant. We feed beef scraps plain in hoppers for a week or more and then substitute a dry mash containing about 12 to 15 per cent beef scraps and continue to alternate plain scraps and dry mash. We do this because it costs us less than where we keep beef scraps before them all the time and it gives us just as satisfactory results.

Q. (2) Which is the most satisfactory hopper to use for feeding ground food?

J. E. H.

A. (2) A shallow wooden box large

## BLACK ORPINGTONS -- J. T. ADAIR'S

"Big Four Winners"—Chicago, Indianapolis, Louisville and Cincinnati. Awarded three championships, two displays and 37 ribbons—none lower than 3d—at the above shows, and after years of effort we are at last rewarded and are now offering at Live and Let Live prices REAL Black Orpingtons. **GET BUSY! Stock and Eggs Ready for Business!** A card brings our new catalog and mating list of our offerings.

J. T. ADAIR

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MILLERSBURG, BOURBON CO., KENTUCKY

A SQUARE DEAL OR NO DEAL

LAY QUICKEST AND GROW BIGGEST

## NOFTZGER'S PARTRIDGE PLYMOUTH ROCKS

The Partridge Plymouth Rock fowl was originated by me. They are the result of my lifetime work. Most every winning line in the world are direct descendants of my birds, proving I deliver the goods—and that I am not afraid to sell "good ones" to any breeder. Since 1909 and '10 my birds shown by me personally, have won more first prizes than those won by all competitors combined at Chicago, Indianapolis, Kansas City, Mo. State Show, Topeka, Indiana State Fair, and the Madison Square Garden New York City shows. My strain in customers' hands have won first at Boston, Buffalo, Cleveland, Cincinnati, Louisville, Atlanta, Des Moines, Omaha, Seattle, Los Angeles, St. Louis, Baltimore, Detroit, Minneapolis, Denver, Wichita, Dallas, etc. My recent record-breaking win at Chicago, Dec., 1912, when, in the largest quality class ever caged, I won 1st, 3d and 4th cock, 1st, 2d and 3d cockerel, 1st pullet, 1st pen, 3d, 4th and 5th hens, again proved my birds the best in the world. This was the only exhibit I made this season. My best birds have since been home, mated up and doing business. 350 grand birds still for sale at special low prices. Send for free folder telling about this bargain sale. Forty grand pens are mated. Eggs sell at \$5.00 per 15 and up. Every egg guaranteed to be fertile or replaced free. All stock sold guaranteed to please. Catalog free for the asking.

S. A. Noftzger, Originator of the Partridge Plymouth Rock Fowl, Oaklyn Farm, Box 38, North Manchester, Indiana

YOUR ORDER  
WILL PLEASE US

Low Prices  
to Introduce

OUR STOCK AND EGGS  
WILL PLEASE YOU

## PONDER OVER THESE WINNINGS FOR 1912

Silver Penciled Rocks—Largest and Finest Flock in Existence.

Allentown—1st, 2d and 3d cock, 1st, 2d and 5th hen, 1st and 2d cockerel, 1st, 2d and 3d pullet, 1st and 2d pen.

Hagerstown—2d and 3d cock, 2d and 3d hen, 1st and 4th cockerel, 1st and 3d pullet, 1st old pen, 1st young pen.

Atlanta—All ribbons, clean sweep. Special best display.

Silver Campines—Grand Strain of This Popular Fowl.

Allentown—1st cock, 1st hen.

Hagerstown—1st cock, 1st hen, 1st pen chicks.

Atlanta—1st cock, 1st hen, 3d cock, 1st pul., 1st pen.

Partridge Rocks—Equal to the Best.

Allentown—2d and 3d cock, 4th and 5th hen, 1st pullet, 1st pen.

Hagerstown—3d cock, 2d pen.

Atlanta—3d cock, 2d cockerel, 2d pullet, 1st pen.

S. C. White and S. C. Black Leghorns—Heavy Layers with Exhibition Qualities.

White Leghorns—2d pen Hagerstown, 3d pen Allentown.

Black Leghorns—3d pullet Hagerstown, all firsts Atlanta.

Baby Chicks from Exhibition as well as Utility Matings. Write for circular.

PARKWAY FARM Barton T. Fell, Owner; J. F. MacKay, Mgr. Route 10, TRENTON, N. J.



enough to carry one week's supply. For one hundred hens in one flock we use a common open box for dry mash. These boxes run about 28 in. long, 18 in. wide and 8 in. deep. For scraps we use a narrower box hopper about 34 in. long, 7 in. wide and 7 in. deep, which holds 28 quarts of beef scraps when level full. These boxes are kept on the floor where the fowls have free access to them. They sometimes get into the boxes and scratch about but they seldom soil the contents with droppings (never enough to amount to anything and always easily and quickly removed) and they do not waste food. The large boxes cost from 15 cents to 25 cents each and the smaller ones from 5 cents to 15 cents each, according to the quantity made and the material used. If 25 or more were wanted, one can save money by having them made up at a box factory.

#### Catarrhal Colds.

Q. I bought two Orpingtons which appeared all right on arrival, but in a few days were sneezing and there was running at the nostrils. They were not as heavy as they should be and were not disposed to move about. Plumage on head stands erect over the eyes. Head is not swelled. Nostrils on one are slightly enlarged and in the other are almost closed. I have tried a number of remedies without success.

Fair Haven, N. J.

A. H. D.

A. These fowls are probably subject to catarrhal colds. The one with large nostrils has probably lost a part of nose from the irritating discharges. If you have been treating them some time and they do not get better, then we would not bother with them any longer but would get rid of them. The most satisfactory treatment for colds of this sort

is to house the fowls in open front quarters. Use the head dip thoroughly when colds are first noticed and again in a few days if necessary. Any case that this treatment will not cure is not worth wasting time with. Head dip treatment is given as follows: Mix one tablespoonful of creolin (or other good cresol disinfectant) with one gallon of luke warm soft water in a galvanized iron bucket. Seize the bird by the head, hold its mouth wide open with your finger and slosh its head about in the solution a few times, but don't drown the bird. If there are any crusts on nostrils, remove them and repeat the dip. Mix the solution fresh as needed.

Do not dip too many fowls in the same solution, renew it frequently if you have many birds to dip. Keep fowls after treatment in open air quarters day and night. Fowls with

# E. B. Thompson's Imperial "Ringlet" Barred Plymouth Rocks

Win the most wonderful record beyond all precedent in Barred Rock history at the imperial and most classic show of all America---Madison Square Garden, New York---this winter of 1913. Winnings as follows:



"Ringlet" First Prize Cock at Madison Square Garden, New York, 1910-1911

First prize, second, sixth and eighth on cockerels.

First prize and sixth on pullets.

First, second and fifth on exhibition pens.

First on cockerel mated pen.

Second, third, fourth and fifth on cocks.

The imperial prize of the show, sweepstakes special for champion male.

Sweepstakes special for champion female.

Diploma presented by the American Poultry Association for best cockerel.

Sweepstakes cup for best Plymouth Rock hatched in 1912, male or female, any variety.

Challenge silver cup for best exhibition pen.

Special best shaped male.

Special best colored male.

Special best colored female.

Best cock, cockerel, hen and pullet. Four best cockerels. Four best pullets. \$25 special prize presented by the New York Show for finest display. All silver cups and cash specials. Four times

as many first prizes as any competitor. More first prizes than all competitors combined. More first, regular and special prizes than won by any exhibitor of any breed.

My exhibit of 56 birds was the best the world has ever seen. No other Barred Rock breeder has ever produced or is producing such matchless quality. Every feather in my exhibit was bred on my farm. My first prize champion cockerel and first prize champion pullet are years ahead of their time—they are the product of the highest skill.

No other Barred Rock breeder has ever accomplished the unprecedented achievement of winning the two greatest prizes in the world—sweepstakes champion male and sweepstakes champion female—at one show in Madison Square Garden.

SEE MY OTHER  
ADVERTISEMENTS

E. B. Thompson

Lock Box 510  
Amenia, New York



colds will not take on, or keep up in weight although they may eat ravenously. When rid of the cold they will take on flesh rapidly.

#### Off-Color and Yellow Corn.

Q. Will feeding yellow corn cause plumage and earlobes to be creamy in color in White Leghorns?

Mt. Vernon, Iowa.

E. S. J.

A. This is a matter that has long been in dispute. We feed yellow corn heavily to both fowls and chicks (White Rocks) the year round. It does put a creamy tint into new or "green" plumage. When the fowls are confined under a roof for the greater part of the time, this creamy tint sometimes lasts in some fowls for a considerable time. When the birds are running in the open and roost in the open the creamy tint does not last after the feathers are mature of past the sappy stage. Some fowls,

those naturally very white in plumage are not affected in the least at any stage of growth of the plumage by heavy feeding on yellow corn. We do not believe that where a bird is bred white that yellow corn will put a permanent creamy tint to the plumage. As to ear lobes we doubt very much if corn affects their color in the least degree.

#### Fixing Price and Value.

Q. (1) If a person paid \$2 each for White Orpington eggs and raised the chicks to maturity and the pullets were fine specimens, what would be a fair and reasonable price to charge for eggs from these pullets?

A. (1) We don't know. It would all depend upon what was back of the fowls that produced the eggs originally and on the amount of experience and skill that was put into mating up the

birds you propose to sell eggs from. Would set the price at a figure which represents the amount you value the eggs at for use at home, a price which you decide you prefer to use the eggs for hatching yourself rather than take less for them.

Q. (2) What do you think of White Orpingtons as a breed to start with?

A. (2) The variety is an excellent one.

Q. (3) How many birds of this variety could be kept on a lot 100 feet by 50 feet using the open front house?

A. (3) One hundred comfortably.

Q. (4) Kindly explain what is meant by pullet mating and cockerel mating.

O. P. S.

Portland Mills, Penna.

A. (4) The terms are used where two separate families in one variety are necessary to produce exhibition quality specimens. Practically two

# E. B. Thompson's Imperial Ringlet Barred Plymouth Rocks

This new 1913 championship record on opposite page is the most notable of all the thrilling achievements at Madison Square Garden for which E. B. Thompson's Imperial "Ringlets" are famed. This amazing record transcends all that have gone before it and makes my unequalled record for 25 years at Madison Square Garden all the more remarkable.

Furthermore—The "Ringlets" have won every silver trophy that has ever been offered at Madison Square Garden to be won three times. In short every trophy on Barred Rocks that has ever been offered to be won three times has been finally won by me. Among them are the \$100 challenge trophy and \$100 association cups.

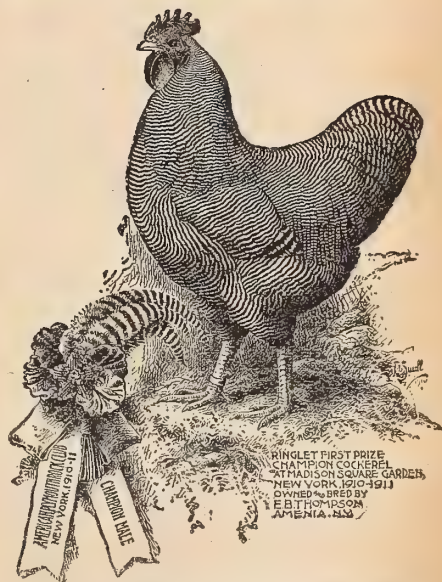
## If You Want to Win and Breed Winners

You must have my Imperial "Ringlets." It will be to your best interests to have my grand birds and eggs as a foundation and to improve your stock. The rich results of my more than thirty years as a Barred Rock breeder may be yours. My long experience has produced thousands of prize winners for myself and customers. I will help you to the best of my ability, rest assured of this.

Elegant breeding and exhibition cocks, cockerels, hens and pullets of the richest first prize New York blood for sale in any number. Show birds fit to win in any competition in any show.

Richly illustrated 70-page catalogue mailed upon request, it is full of original pictures of New York winners from life.

**Eggs** From the finest exhibition matings in the world, \$10.00 per setting; four settings, \$35.00; one hundred eggs, \$60.00.



"Ringlet" First Prize Cockerel and Champion Male at Madison Square Garden, New York, 1910-1911.

SEE MY OTHER AD. ON  
BACK COVER PAGE

*E. B. Thompson*

Lock Box 510  
Amelia, New York



varieties in one; viz: One mating or family to produce exhibition pullets, the cockerels from this mating being pullet breeders and not exhibition specimens; another mating or family to produce exhibition cockerels, the pullets from this mating being cockerel breeders and not suitable for exhibition.

### Large Flock Brooder Stoves.

Q. (1) Have the large flock brooder stoves, such as are advertised in your journal reached a practical value?

A. (1) We believe so or we wouldn't accept the advertisement. We have not yet tried one of these brooder stoves but hope to have the opportunity to do so this season at our Experiment Station and will report on it after we have had ample time to make a thorough test. Reports from users indicate that they find them satisfactory.

Q. (2) What are the advantages, if any?

A. (2) We can tell more about that after we have tried them. Simplicity and ease in operation and handling large broods in one flock are advantages claimed.

Q. (3) Do you think that they would brood successfully in this cold climate?

Reed's Ferry, N. H.

J. F. T.

A. (3) If the house, the brooder

stove is operated in, is properly built and ventilated they ought to work as well in New Hampshire as anywhere.

### Unsatisfactory Dry Mash.

Q. I feed my pullets a dry mash made as follows:

Coarse wheat bran.....	100 lbs.
Wheat middlings .....	100 lbs.
Corn Meal .....	50 lbs.
Ground oats .....	100 lbs.
Beef scraps .....	100 lbs.
Alfalfa meal .....	100 lbs.
Linseed meal .....	40 lbs.
Table salt .....	10 lbs.

They have this mash before them all the time. It makes them very loose and what they pass is yellow and watery. Is there too much scrap or linseed meal? Will the salt hurt them?

Pawtucket, R. I. E. F. S.

A. It is a poor dry mash. The salt would not hurt them unless the beef scrap is already quite salt, (which frequently is the case). Instead of 50 pounds of corn meal, use 200 pounds. Instead of 100 pounds of alfalfa meal use 50 pounds. Cut out the linseed meal altogether. Use 5 pounds of salt only.

### "Leghorns" Without Tails.

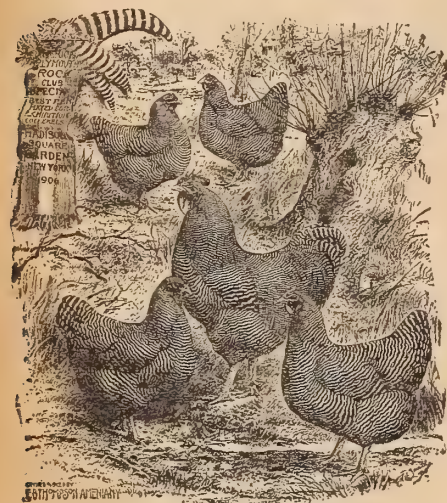
Q. A certain breeder in my locality has succeeded in perfecting a strain of White Leghorns with absolutely no

tails whatever. He claims the following points of superiority for them. The tail of the chicken being the last part to develop these pullets begin laying much earlier in life than those having tails. They also require less room on the roost than those with tails. Have such breeds been tried out and if so with what result?

L. H. N.

Hillsdale, Mich.

A. Moonshine! The "rumpless" fowls, or fowls bred without any tail or "last-piece-over-the-fence," are as old as the gentle art of poultry keeping and such tailless varieties, though they crop out from time to time, have never acquired any great hold on popularity. If they had had any great abundance of merit they would have had a strangle hold on popular favor by this time. The tale of the slow development of the tail in Leghorn pullets may interest Leghorn men, who have noted how early after leaving the shell the sprightly little rascals begin to sprout a tail. Leghorns with full standard tails lay plenty early in life and it might prove a disadvantage to have precocious little tail-less pullets beat them to it in egg production. We can't see the "less room on the roost." The Leghorn WITH appeals to our taste more than the Leghorn WITHOUT. Still, we are willing to be "from Missouri."



## E. B. Thompson's Imperial Ringlet Barred Plymouth Rocks

The Finest Birds in All America Are Here on My Farm Today  
THOUSANDS IN NUMBER

The reason for my unprecedented winning at the last 1913 Madison Square Garden, New York, Show is very evident on my farm on all sides. See pages 520 and 521 for this wonderful record.

Emerson said:—"If a man can write a better book or make a better mouse trap than his neighbor, though he build his house in the woods the world will make a beaten path to his door." The path to my farm is well trodden by prominent breeders.

I invite you to come and see my Imperial "Ringlets" at home—on their native ground. A visit here will be a revelation in the science of Barred Rock breeding; you will see buildings full of the rarest of exhibition birds, and breeders full of New York First Prize blood, grand in size and shape, great length and breadth of backs and bodies, with tails carried right; splendid heads and clear blue color, with narrow, sharp,

cleancut vivid barring to the skin. You will see my wonderful matings that will produce the champion first prize winners for next winters shows. I now have on my farm five times as many first prize Madison Square Garden males as any breeder in America.

### I Will Sell You Eggs from the Finest Matings in All the World

There Is No Strain or Line That Can Win in competition with My Best Imperial "Ringlets"

Mr. E. B. Thompson:

Dear Sir:—From the Imperial "Ringlet" eggs ordered from you last Spring I have 23 of the most healthy and well marked birds, both in shape and barring that I ever had the pleasure to lay my eyes upon. Out of the 23 birds I have exhibited 13 with the following results:

At our Williamsport show in competition with 240 Barred Rocks, I won first cockerel on two entries. At Hughesville, Pa., showing 13 birds, I won 1st, 2d and 4th on cockerels, three entries; 1st, 2d and 3d on pullets, three entries; 1st pullet bred cockerel, one entry; 1st, 2d, 3d, 4th and 5th on cockerel bred pullets, six entries.

I have sold three of the cockerels at \$25 each and have refused \$150 spot cash for my first prize Williamsport cockerel, and \$50 for the other cockerel; I also refused a very flattering offer at Hughesville for my complete line of pullets. I must acknowledge the Imperial "Ringlet" strain is positively the best I can get. You may depend on me for a very substantial order very soon.

Yours truly,

C. E. Liebensberger.

Elegant cocks, cockerels, hens and pullets of the richest New York first prize champion blood for sale and mated to produce prize winners. I will take a warm personal interest in your success.

My "Ringlets" are wonderful layers of fine eggs as well as win the blue.

Richly illustrated 70-page catalogue upon request. It is full of illustrations of New York winners from life.

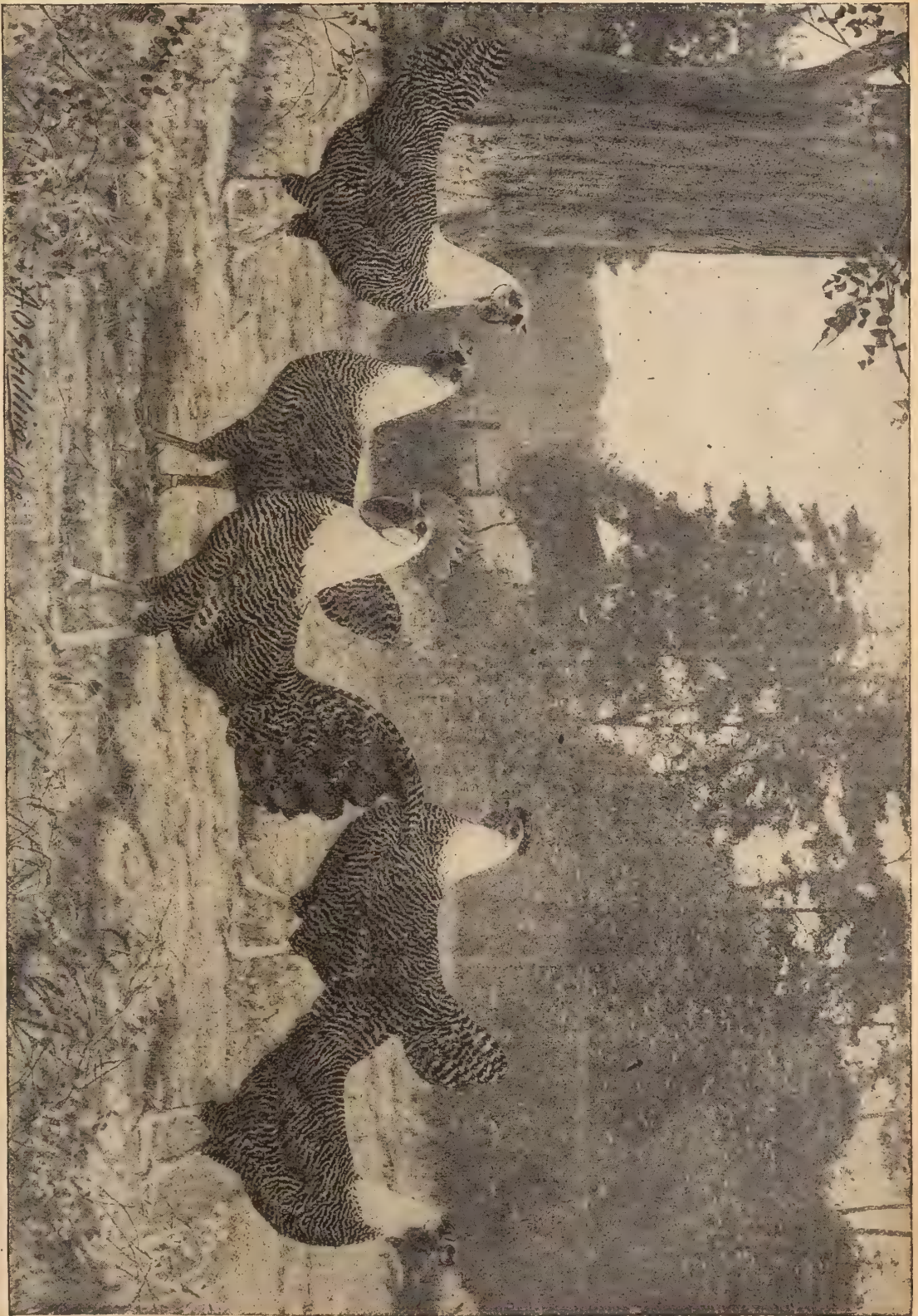
EGGS from the finest exhibition matings in all the world, \$10 per setting; four settings for \$35. One hundred eggs, \$60.

SEE MY OTHER  
ADS.

E. B. Thompson

Lock Box 510  
Amenia, New York





FIRST PRIZE PEN SILVER CAMPINES AT GRAND CENTRAL PALACE SHOW DEC 1912, BREED AND OWNED BY  
HIDGE EGG FARMY  
WEST NYACK N.Y.





# Poultryman's Calendar

Conducted by  
Prince T. Woods, M. D.



## March to Mid-April.

Chicken time again! Beware furred, and feathered varmints.

\* \* \*

Don't let broken feathers on backs of females between the wings, and some lost feathers on backs of heads, worry you at this season. We have had a lot of queries on this subject. It simply means activity on the part of the male birds and it is better to have mussed plumage than any lack in fertility.

\* \* \*

Examine vigorous males from time to time and note condition of spurs and toenails. Sharp points and, particularly, sharp EDGES on toenails of the males may result in torn backs in females. You can't afford to take chances of losing one of your best breeders through such injury.

\* \* \*

Breed only from healthy fowls this season. Give them fresh air all the time. Keep them well fed on abundance of wholesome food in sufficient variety to encourage appetite. Take good care of the eggs. Use common sense when incubating, whether under hens or with machines. Give the chicks the best of care. Don't crowd them. Keep them comfortable all the time. Be sure they are always well fed. Don't try to grow more chicks than you can grow properly.

\* \* \*

We believe in corn, white and yellow, and particularly good, sound, yellow corn as one of the best (if not THE BEST) grains for poultry, young and old. Nevertheless, we know that in some locali-

ties, and particularly during the chick-growing season, it is difficult to get good, sound, wholesome corn. Poor corn, spoiled corn, especially "green-heart" corn, will poison chicks. For that reason be sure that the corn you feed is sound, sweet and wholesome. You cannot afford to take the chance of feeding corn that is acid, musty, mouldy, heated or affected with "green heart." See that you get sound old corn that has been cured on the cob and cribbed under a roof in a well-aired crib.

\* \* \*

Your dealer can certify to the grade of corn he sells you if you insist on it. Genuine No. 2 and genuine No. 3 grades have not yet been found dangerously acid or affected with "green heart." Sound old corn costs more and is worth more than cheaper grades. No. 4 and No. 5 grade corn may not be affected with the poisonous green fungi, but such grades quite commonly are so poisoned and therefore unfit for feeding.

\* \* \*

Common cracked corn and corn grits (chick cracked corn), as ordinarily found in the market, frequently are made from low-grade corn and from spoiled corn and are unfit for poultry food. Cracked corn or corn meal from spoiled corn will poison and kill chicks. We feed corn freely to growing chicks when we get corn that is sound and sweet, but we crack it ourselves and feed it freshly cracked, or the meal freshly ground.

\* \* \*

When we can't get sound corn for

use in our chick foods, we use a coarse crushed chop of wheat, barley, kafir corn and oats, but we prefer to have one-half the bulk of the chick food made of sound corn if we can get it.

\* \* \*

You can make a good chick food (freshly ground as needed, and therefore better food) at home in a common grinding mill or even a coffee mill. The following proportions, by measure, will give good results: One-half yellow corn, one-fourth hard wheat, one-eighth each of heavy white oats (clipped) and best feeding barley. Oats and barley with hulls on. Grind to a coarse granular meal. Feed it in boxes or pans just as it comes from the mill, fine meal, hulls and all. When we can't get sound, sweet corn, which sometimes happens during the chick season, we use equal parts of wheat, oats, barley and kafir corn. If we have good buckwheat we include a measure of that also. Good rolled oats make an excellent addition to the chick food. Let them have all they will eat.

\* \* \*

In addition to the grain chick food, small chickens require an abundance of green food, good beef scrap and some variety food. We like a clover litter best for brooder chicks because they like it and eat a good deal of it. For raw vegetable food and live cell greens we like sprouted oats, raw potatoes, fresh-grown Dwarf Essex rape and green grass as soon as we can get it. For chicks to do well on grain and meat diet, they need a large amount of raw greens to balance it. Boiled cracked



FIRST, SECOND AND THIRD PRIZE COCKS, BOSTON 1910. OWEN FARM'S VINEYARD HAVEN, MASS. U.S.A.



rice is a good variety food and it should be cooked in water seasoned with salt. Chick grit (coarse, sharp sand will serve), fine crushed oyster shell, granulated raw bone, and charcoal are necessities and pure, fresh water is needed from the start. At first we sometimes feed hard-boiled infertile eggs with the grain ration if we happen to have them.

\* \* \*

In operating brooders, don't put in too many chicks; don't try to run it by the thermometer; the comfort of the chicks is a much better guide than a tube of mercury. Keep the hover space always warm enough so that they will have more heat than they need and can warm up quickly. If chicks spend much of the daylight under a hover there is something wrong. They should be on the go most of the time in daylight hours. At night we don't want them in out of sight; they are much more certain to be comfortable, well and happy if the hover space is sufficiently warm to drive them to the outer edge with heads peeping out from under the hover cloth.

\* \* \*

In sprouting oats for chicken food at this season don't keep them in the sprouter too long. Feed when the sprouts are short and tender. Don't let the sprouting oats get musty and mouldy. Keep your sprouter clean.

\* \* \*

Some folks will tell you that charcoal

is not essential for feeding small chicks. We don't know about that. We have raised good chicks without charcoal, but we have raised better chicks when we used charcoal. They take to it like a kitten to warm milk, and some broods can't seem to eat enough of the fine granulated charcoal. We are content to believe that Dame Nature knew her business when she provided them with an appetite for it. Chicks or fowls on range will hike for the nearest "burn" or remains of a bonfire and feed on bits of charcoal and ash with great delight. As they crave it we let them have all they want, and when we get a brood of chicks that devour charcoal along with other foods until the droppings are turned out in well-formed, dry, black stools, we know that that bunch of chicks is going to come right along and make profits for us. The chemical theory involved don't particularly interest us, but the results do, and we are willing to bank on the appetites of normal chicks and fowls all the time. "The law of chance" and the laws of certainty are most of 'em in our favor when we give a natural appetite a chance to work out its own salvation.

\* \* \*

High time now to plan the garden. When making provision for the home vegetables don't forget the poultry. Lettuce, chard, beets, turnips, green corn fodder, rape, melons, pumpkins and cabbage can all be turned to good ac-

count in poultry feeding. Don't forget, too, that small potatoes for feeding raw are well worth while. If the garden is only a small once fence it in and make the fence chicken tight. You can't raise crops and poultry on the same piece of land at the same time without having most of it go to fill the crops of the poultry. About three-fourths of our own garden truck went that way last season when the crop of chickens increased so rapidly that the overflow took possession of the garden land.

\* \* \*

Ever have a poultryman tell you that he "has to work like a dog"? The Press, Concordia, Kan., says: "You have heard people say they 'worked like a dog all day.' If this were literally true, the twenty-four hours would be spent thus: One hour digging out a rat, two hours gnawing a bone, one hour waiting for a cat to come down from a tree, half an hour begging to get into the house, and the rest of the time sleeping on a mat in front of the door, fighting flies." Now that you know what it means, don't work like a dog. Of course this Kansas summary don't take account of biting fleas. "Dave Harum" said: "A reasonable number of fleas is good for a dog; it keeps him from broodin' over bein' a dog." Better be a man and work like two men. During chicken time you need to. You can't afford to "work like a dog" in the poultry business.



## STRAIN S. C. WHITE LEGHORNS --- THE KIND THAT WIN AND LAY

If interested in S. C. White Leghorns don't fail to write me for my 1913 catalogue and mating list, now ready. Mention A. P. J.

Stock and Hatching Eggs

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SWASTIKA POULTRY YARDS, O. E. FAXON, PLANO, ILLINOIS

# EGGS

You can't lose if you buy eggs of us. We guarantee the fertility and the quality of chicks hatched from them.

# EGGS

Rose Comb

Single Comb

# Rhode Island Reds

We have bred our Reds to such a point for quality that we feel that we are head and shoulders above other breeders and are going to guarantee the quality of chickens raised from the eggs sold by us. We are going to see that every man that buys eggs of us this year gets his money's worth.

We know that we have the grandest matings ever put together in Rhode Island Reds and know that we can guarantee their offspring. We guarantee the offspring from each pen in proportion to the price paid for the eggs.

**EGGS—\$5, \$10, \$15, \$20 and \$30 per 15** according to the pens they are from. Every pen of Rose Comb headed by a prize winner and nearly all of the Single Comb pens headed by prize winners and from stock that is Line bred. **High class Utility eggs at \$3.00 per 15; \$15.00 per 100.** We do not guarantee the quality of stock from these.

## Chicago, Indianapolis and New York Winners

head many of the pens. Also Springfield, Ill., the greatest Fall Fair on Earth; Nashville, Tenn., Memphis, Tenn., Atlanta, Ga., Augusta, Ga., and other big shows.

Besides our winnings we have sold birds that have won from the Atlantic to the Pacific this season—from Canada to the Gulf and in the strongest competition. In placing your order always remember there is one best place to get anything you desire to buy.

We have our pens mated for the egg trade. Book your orders for eggs from the greatest matings ever put together for this breed. Send for free mating list.

OUR BEAUTIFUL CATALOG of 64 pages and cover contains many articles on raising and caring for poultry in large and small flocks. It will also tell you why the Rhode Island Red is the best breed in the World. This catalog has cost us a great deal to prepare and is too costly to send out promiscuously. We will send this post-paid for 20 cents in cash or stamps. Address all mail to

**Buschmann-Pierce Red Farm, W. C. Pierce, Gen. Mgr., Box 39, Carmel, Ind.**



## NOTES FROM ENGLAND

CONDUCTED BY

MISS CAREY, TOYNTON RECTORY, SPILSBY, ENGLAND

### PROPOSED GREAT INTERNATIONAL FEATHERED STOCK EXHIBITION.

**D**URING THE PAST few weeks I have laid before the fancy and the country generally through the press a suggestion of a vast exhibition of feathered stock of every known breed from every country in the world to be held in one of London's great central halls during the year 1914.

The suggestion has created considerable interest and the possibility of undertaking a big enterprise of this nature without involving the fancier in too heavy financial risks is widely discussed in all the leading circles. It is hoped to at once get an advisory committee together to look into the working details of such a scheme, and if the result of inquiries show any promise of making it a success, it is more than likely that some enterprise of the kind will be held next year.

All over the world are held annually an immense number of poultry shows, in the United Kingdom alone these total to over seven hundred, so that one might safely infer that there are many thousands of poultry shows held yearly, but how many of these cater to any bird beyond poultry, pigeons and a few of the more domesticated water fowl?

The bird life of the world is at present an unexplored field of interest with millions of our teeming population, an interest almost non-existent, not because bird life holds nothing that appeals, but so seldom do we see any possibility of what might be attained exhibited before the general public. Taken as a whole, our shows are essentially run to please the fancier, the man who holds already some personal interest in the event; and in order to cater for the endless competition in single entries sent in, it would be hard to arrange conditions other than they are. These great competitive exhibitions are the life of the fancy, without which the fancy would cease to exist, and yet to the outsider who knows nothing of the mysteries of points and score cards, these endless rows and rows of birds penned all alike must often prove wearisome and monotonous. The good work, however, done by these shows is not to be depreciated in the very smallest degree, for they are, after all, what has established the fancy.

But should this be any reason why just occasionally, every few years, we should not move out of the usual rut of the poultry world and attempt an enterprise to capture the attention of the world beyond, to attract especially the wealthier circles and win their capital, interest and support in bringing to the front not only poultry and pigeons, but all the exquisite varieties of bird life, many of which one seldom sees save in rare collections, and which might well form a source of pleasure, as do dogs and cats to the hundreds and thousands of men and women, and especially women who own magnificent country estates, parks, gardens and grounds?

It is with this end in view that the proposed great collection of all kinds of feathered stock from all corners of the earth has been brought forward, not to be penned in endless rows and tiers but laid out artistically in great and smaller displays amid palms, ferns and greenery, wide alleys and walks, seats and refreshments dotted about at intervals for the visitors, and the whole arranged to give the appearance of the bird at home.

Such an enterprise, unique in the annals of the fancy, could only be in the best interest of fanciers all over the world; but to make it a success will

## ETZENSPERGER'S REDS OF QUALITY

WON AT CHICAGO, DECEMBER 12 TO 18, 1912

2d S. C. pen, fourteen pens competing; 2d cock, thirty-two birds competing; 4th pullet, thirty-eight birds competing; 5th R. C. pen, thirteen competing; 3d pullet, forty-one competing. **The hottest class of Reds ever got together.** All my old birds that produced these prize winners together with winners this year will be used in my breeding pens this year. My 1910 first Chicago cock bird is the same bird winning 2d this year, he producing some of my best winners, showing what blood lines will do. Also having ideal shape and color. Have a few cockerels, cocks and pullets for sale at the right price. **Special sale of 50 Single and Rose Comb Rhode Island Red cockerels, good breeders, at \$3.00, \$5.00 and \$10.00 each.** Mention American Poultry Journal when writing.

W. ETZENSPERGER

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Box E

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WILLOUGHBY, OHIO

## Golden Sheaf Buff Rocks

Won at the three following shows and all these birds and our State Fair winners will be mated in our yards this season:

Louisville, Ky., 1912—2nd, 4th cock; 1st, 3rd hen; 1st, 2nd cockerel; 3rd, 5th pullet; 1st old pen; 1st young pen.

Indianapolis, Ind., 1913—Winning \$20 silver cup for the best cock, hen, cockerel and pullet.

Cincinnati, O., 1913—1st, 2nd, 3rd, 4th and 5th cock; 1st shape special female; 2nd, 3rd, 4th and 5th hen; 1st shape and color special male; 3rd, 4th, 5th cockerel; 1st color special female; 2nd, 3rd, 4th and 5th pullet; 1st old pen; 2nd young pen; \$25 silver cup for best display of Buff Rocks; \$40 silver cup for best display of any one variety of Plymouth Rocks; \$50 silver cup for second best display of any one variety in the show. Write for our free mating list.

**Neduseb Poultry Farm, R. R. 2, Box 49, Dept. B, Sharonville, Ohio**



involve no small amount of guaranteed capital, and whether or no the support offered will be sufficient to undertake the heavy risks that would be involved has yet to be found out.

As soon as the scheme is really under way and definitely fixed it is proposed to forward notice to every government in the world likely to be interested and also to all the leading poultry, pigeon and waterfowl associations in existence and see what efforts can be made to make the display one of singular beauty and interest. Poultry will of course have the giant share. The poultry industry of the world will be the premier consideration, every breed being in evidence, all the latest and most approved methods of culture practically demonstrated: Limelight lectures are suggested to show what the fancy has done during the last decade for the feathered stock in the world and no effort will be spared that may help to make the enterprise the great-

est event in the annals of the history of the feathered world.

The international side of the enterprise is to be very prominent, and to those interested in the topic of the international Standard will come the opportunity of getting the breeds of different countries together, those bearing the same name, down side by side and seeing where the real difference lies.

Many a feathered fancier abroad hesitates to come over with his birds to the great International Palace Show held each year in the Crystal Palace, London, for fear that on account of the differences in judging the Standards, he stands no chance of winning any consequent trade. At the proposed Olympic Show he will have none of these disadvantages to face, since it is merely a matter of display, and the awards for displays, if any, will be to the best displays, each judged according to its own Standard and not

competed one against the other, judges from each country being asked to judge the displays from their respective lands.

It may, however, be thought wiser to leave out the competitive element entirely and bring the birds together solely for the interest such an exhibit is bound to create. Details, however, are at present entirely undiscussed, and as soon as the committee is formed ideas will be very welcome from the world over as to how best to inaugurate the event to give the greatest pleasure to all.

If any readers are interested or have suggestions to offer, I shall be only too pleased to get into correspondence on the subject, and guarantees of support, should the exhibition materialize, will be very welcome. Letters may be sent to Miss Carey, Toynton, Spilsby, England, who is acting in the interest of the exhibition until a committee has been appointed.



## KAUP, QUALITY BUFF ORPINGTONS

Won 75 prizes this and last season at Chicago, Indianapolis, Springfield, Birmingham, etc. I have now completed my matings for 1913 and have described them in my new catalog and mating list just out. I did not get my mating list out in December and mate my birds later—I MATED MY BIRDS FIRST AND THEN DESCRIBED THEM. It is the finest published by a Buff Orpington Specialist and is the

### BUFF ORPINGTON GUIDE BOOK

Describes twenty of the finest mated yards of Buff Orpingtons and shows absolutely how a man who is on the square all of the time can satisfy all of his customers all of the time. In addition to satisfaction, I give the greatest value for your money and PREPAY ALL EXPRESS CHARGES ON EGGS, CHICKS and EXHIBITION BIRDS ANYWHERE. Send for your copy of the BUFF ORPINGTON GUIDE NOW and you will say, "I am glad I got KAUP'S CATALOG-MATING LIST before I ordered my eggs, stock and chicks." It gives a complete description of all yards, prices and my up-to-date business methods. Send TODAY. Address

**F. A. KAUP, BUFF ORPINGTON DESK CHICAGO, ILL.**  
SPECIALIST ONE

Secretary Chicago Poultry Society, Member A. P. A. and ten other organizations.

Local and Long Distance Phone.

Belmont 1724



My Champion Buff Cockerel

## CHAMPION LAYING STRAIN BUFF ORPINGTONS

### Record Breakers as Winners and Layers

Read these recent victories made by my birds and you will be convinced of their grand exhibition quality.

They won at Mineola, L. I., N. Y., Sept. 1912, 1st, 4th cock; 1st, 2d, 3d hen; 1st and 4th cockerel; 2d pullet; 3d pen; Mineola Fair, special best display. Special, best cock, hen, cockerel and pullet, 103 Buff Orpingtons competing. They won at Hempstead, L. I., N. Y., 1912, 1st cockerel and color special, one color special for entire class of Buff Orpingtons. This cockerel won Silver Cup, best cockerel; Silver Cup, best Orpington in show; Silver Cup, best Buff Orpington in show, 1st, 3d, 4th and 7th hen;

4th pullet; 1st and 4th pen; Silver Cup by Hempstead Show, best display; Silver Cup by National S. C. Buff Orpington Club, best display; Silver Cup, best hen. Making in all 6 silver cups. Grand prize, Silver Medal, by American Poultry Association, for the best cockerel in the American, Asiatic, Mediterranean, English, Polish, Hamburg, French, Game and Oriental classes. Diploma by American Poultry Association, for the best males under one year in all standard varieties. Poultry Fanciers Association of Long Island, handsome diploma with gold seal and pendant ribbon, for best cockerel, hen and pen. Blue Ribbon for best dozen eggs, brown shelled; and five other specials, winning three times as many points as nearest competitor. The above remarkable winnings make my birds "Champion Prize Winners," and must convince you I have only "Quality Buff Orpingtons." But what good is a hen if she won't lay. You should be equally careful to select a "Laying Strain."

### MY STRAIN UNEQUALLED AS LAYERS

I have had pullets laying at 4 months, 19 days old, and lots of them laying before they are 5 months old. I have records of 8 pullets laying 217 eggs in 30 days. So you see my birds lay as well as win and no doubt that is the kind you want.

### MY GRAND CHAMPION MATINGS

I have 10 Grand Pens containing all the above winners and other carefully selected breeders. I have my blood lines well established and know how they breed, and I assure you stock hatched from any of my matings will please you. I have a range of prices to suit all customers. Eggs from my "Grand Champion" matings only \$15 per 15; other fine pens, \$10 and \$5 per 15. Fertility and satisfaction guaranteed. Send for my 1913 mating list containing illustrations of my prize winners and description of matings.

**I. BROOKS CLARKE : DEPT. C : NEWARK, NEW JERSEY**  
Formerly of Hempstead, L. I., N. Y. New York State Vice-President National S. C. Buff Orpington Club. Member A. P. A. Agent for the Simplicity Automatic Poultry Feeder and Exerciser. N. B.—Some special bargains in stock at this time.



A. P. A. Medal won by My Champion Cockerel



## GOOD TO KNOW

By C.W. Zimmer

The O. K. Sales Co. have taken over the exclusive selling right of Whittings Roupine, also the selling right of Puritan Chick Food. This enterprising firm have a good thing in their O. K. Poultry Litter, which is a fine substitute for straw, having wonderful absorbing qualities, much less bulky and moderate in price.

In securing the sale of Whittings Roupine and Puritan Chick Food they realized they would have two equally good products which they could put out with confidence and stand back of them. This firm would not be connected with anything that was not "O. K." which is their name and "trade mark." Their address is 160 Pearl St., Dep. 158, New York City.

The Buff Orpington duck is now becoming all the rage. There is good reasons for this because they excell all other ducks as layers and they are good size and fine eating. The demand is so great for them it exceeds the supply.

Mr. F. B. Crawford, Box 115-A,

Rahway, N. J., has a large flock of Buff Orpington ducks as well as Buff, Black and White Orpington fowls. He has just mated up twenty-six grand pens for the egg trade. His catalogue and mating list are free.

I. Brooks Clarke, Dep. C., Newark, N. J., has just completed his mating list for this year. Mr. Clark has a wonderful laying strain of Buffs and they have distinguished themselves this year by winning sweepstakes and championship prizes and silver cups galore. Anyone interested in Buff Orpingtons will do well to send for his mating list. It is well illustrated and very complete in all details.

One of the enterprising firms that always do things just as they agree to do is Grannis Bros., Route 12, Bryn Mawr Park, Yonkers, N. Y. They have just completed their 1913 mating list which is handsomely illustrated with cuts of their many prize winners and complete in every detail, giving prices

of eggs, baby chicks and stock in all of the varieties which they breed. They make quite a specialty of baby chicks and are well prepared to supply you eggs, chicks or stock in either Buffs or White Orpingtons, S. C. or R. C. Reds, White or Buff Leghorns or Indian Runner ducks, and you can rest assured you will get just what you order.

They have won two hundred and sixty prizes in eight of our largest and most prominent shows. Their stock is all reared on free range, hence strong and vigorous.

You should send for their mating list before placing an order for any of the varieties which they breed.

Grannis Bros. were formerly located at La Grangeville, N. Y., and still retain their farm there but have moved some of their birds and business office to Bryn Mawr Park, Yonkers, N. Y.

## LATEST BOOK



"Profitable Poultry." Finest published, 128 pages practical facts, 180 beautiful pictures. Tells how to breed, hatch, feed and market by latest improved methods. All about world's famous Runner Ducks and 52 other pure-bred varieties. This 50-cent book and lowest price list of cents.

best fowls, eggs, incubators, supplies, etc., only 5

Berey's Poultry Farm, Box 115, Clarinda, Iowa

## HURRAH! McDANELL'S GOLDENS

Again pick the big blue plums. At the great Pittsburgh Golden Wyandotte Show of the World, they were the big noise of the show. First cock and champion male and gold plaque; \$50.00 cup for the best Goldens, 1st pullet, 1st pen, club ribbons and Post cup. COLUMBIANS just as good. Big winners at Cincinnati, Louisville and Chicago. Mating list and 500 birds.

Old Homestead Farms, J. H. McDanell, Route 2, Warsaw, Kentucky



JACOBUS  
IMPROVED

Silver Campines Golden

DID IT. DID WHAT? Laid White Eggs that won 1st prize at Boston, 1910, 1911, 1912 and 1913. Competition open to the world, and eggs of all breeds. Consider carefully and start right.

M. R. Jacobus,

Box 3-J,

Ridgefield, N. J.

## QUALITY WHITE ROCKS WIN THIS IS NOT HOT AIR

BUT THE REAL FACTS are my White Rocks WON MORE at the two great New York Shows on young birds than any other four exhibitors. At Grand Central Palace, Dec. 3 to 7, 1912, 1-5 cock; 3 hen; 1-2-4 cockerel; 1-2 pullet; 1 pen; best display; medal for best pullet in the show, any variety.

At Madison Square Garden, New York City, Dec. 30 to Jan. 4: 2d cock; 2-5-6 cockerel; 1st pullet. SPECIAL FOR BEST COCKEREL AND PULLET. This win on young birds proves my matings were right, as last season's product beat every thing that could be raised or bought, and every one of these winners were MY BREEDING PURE, as were some of the other winners at our very largest eastern shows this season. When in need of quality kind, write.

L. C. BONFOEY

Box 72

VERNON, CONN.

## BARRED ROCKS-WHITE WYANDOTTES-SINGLE COMB REDS

Woodview Strain

Canada's Favorite Line

Winners at Canada's and America's Best Shows

Guelph, Ont., Dec., 1912, Canada's greatest exhibition. In Barred Rocks, 300 birds competing, we won cocks, 1-2-6; hens, 1-4; cockerels, 2-5; pullets, 1-4 Wyandottes: cock, 1st, etc. Reds: cockerels, 5th; pullets, 1st, etc. Several specials. My 1st pullet was pronounced the best female ever shown in Canada.

Detroit, Mich., 1913. Barred Rocks: Cock, 1-3-4; cockerels, 1-5; pullets, 1; cockerel mating pen, 1st; color and shape special males, etc. My birds have won for several years at Guelph, Toronto, Ottawa, etc.

Special Sale Barred Rock and Wyandotte cockerels, trios and pens properly mated, birds of quality in shape and color, extra values, at exceptional prices for best possible breeding and practical quality.

Eggs for Hatching from selected matings. My mating list for the asking. Write me your wants for Sturdy Stock.

Jno. Pringle

London, Ont.



# Current News of the Poultry World

by J. F. Shureman



Members of the Nebraska State Poultry Association are urging the establishment of a poultry plant in connection with the State Agricultural Farm at Lincoln.

Funds to provide for the conducting of a crusade against the growth of disease in poultry will be asked of the state by the Pennsylvania State Poultry Association. At a meeting of the executive committee of the State Agricultural Federation this phase of the poultry situation was discussed and it was decided to ask for the money to aid in stamping out disease.

Representative Robert M. Washburn is urging legislation to increase the amount of bounty distributed by the Massachusetts State Board of Agriculture as premiums at the poultry shows of the state. The amount appropriated for this purpose at the present time is \$1,000, and Mr. Washburn would have it increased to \$2,000.

Scientific poultry breeding will hereafter be taught at the State Normal School at Harrisonburg, Va. A number of incubators and brooders are being installed and the students expect to develop an industry that will furnish eggs and chickens for the tables at the school. J. W. Kinghorne, of the Department of Agriculture at Washington, has been in Harrisonburg help-

ing to get the venture started right.

The proposal of taking moving pictures of next season's poultry show is being considered by the Minnesota Fanciers' Association, of St. Paul. It is proposed to get films of the show while in progress, picturing the crowds and general aspect of the exhibition. Prize-winning birds will be taken by the "movie" camera individually.

The Oregon State Legislature has been asked to appropriate \$12,000 for the purchase of fifty acres of land for the establishment of a poultry breeding farm to be conducted in connection with the Oregon Agricultural College.

W. O. Crane will remove his "automatic poultry farm" from Tulsa, Okla., to Lake Worth, Fla. He has been located in Tulsa for three years and has built up a big business.

A free poultry clinic has been arranged for at the Iowa State College at Ames. Special research study will be made of poultry diseases and diagnoses will be made of all diseased birds sent to the college, transportation charges to be paid by the owner.

George E. Noeth, of Rochester, N. Y., prominent Democratic politician and famed as a breeder of high-class fowls, has leased the Parkman Farm at Lyons,

N. Y., for a period of ten years. The plant will be known as the Manhattan Poultry Farm and will be managed by William H. Parkman. New buildings will be erected and other extensive improvements made. The plant will have 1,600 birds to start with, including many prize winners purchased from the former owner of the farm.

A bill is to be introduced in the Arkansas State Legislature providing that the State Commissioner of Mines, Manufactures and Agriculture also be made Commissioner of Poultry to promote the industry in that state. The bill further provides that the commissioner be empowered to appoint an expert poultryman as his assistant, who shall furnish free information to poultry breeders by means of bulletins and lectures.

The "Hen Cackle Poultry Co.," of Raleigh, N. C., has been chartered to do a general poultry business, buy, sell and mix poultry foods, to handle poultry medicines, make and sell incubators and raise poultry. The authorized capital is \$25,000.

Poultry raising is a course that is proving attractive at the University of Missouri. The first year the course was offered, three years ago, thirty-three men and six women enrolled. During the last semester there have been 124 students enrolled. Six states and fifty-

## BABY CHICKS—U. R. Fishel's White Plymouth Rocks the Best in the World

### FOXHURST CHAMPION BLACK ORPINGTONS

Win Five Firsts at Madison Square Garden, N. Y., World's Greatest Show

**A CLEAN SWEEP**—Thirty birds entered and twenty-two wore ribbons. This is the first time in the history of Black Orpington classes at the New York show that all the firsts have been won by one breeder. Our complete winnings are:

First and third cocks; first and fifth hens; first, third, fourth and fifth cockerels; first, second, third and fifth pullets; first and fourth pens. \$25.00 for best display.

Every Champion bird in our exhibit was bred and raised on our farm, to which fact we will make affidavit. The competition was the keenest ever seen in the Garden. The Crystal Palace (London, England) winners were in competition, as well as America's and Canada's best. Birds that were personally selected in England and Canada to win this show were defeated by our American bred, Foxhurst Champion Strain Orpingtons who, in addition to our 1913 record win, have been the largest winners at New York for the past five years. This unprecedented win indelibly stamps our birds as the undisputed Champions of the World. For eggs from our Champions write to headquarters for 1913 mating list; eggs, remember, from the same matings that we use ourselves. Exhibition stock at reasonable prices on hand at all times. Breeders with same blood as our Champions at from \$5.00 to \$10.00. Satisfaction and safe delivery guaranteed. Write, mentioning American Poultry Journal.



**Foxhurst Farm :: Lime Rock, Connecticut**



eight Missouri counties were represented.

A poultry census of Minnesota is being taken by the poultry department of the farm extension division at the State Agricultural College. The work will be done by the country boys and girls of the state under the direction of N. E. Chapman, poultry specialist, through the agency of the county superintendents of schools and teachers in the country districts.

John Mattison, of Elgin, has a hen that he claims has laid 183 eggs in 138 days. Her best record during this

time was nine eggs in three days! Mr. Mattison may have the belt.

A movement to bring about legislation in Texas that will make chicken stealing a felony under the law, and punishable as such, was fostered at the recent annual convention of the state branch of the American Poultry Association, held in San Antonio.

Indiana poultry fanciers are tired of showing their birds in the limited quarters in Tomlinson Hall in Indianapolis, and on the last day of the recent show of the Fanciers' Association of Indiana a committee consisting of U. R. Fishel,

newly elected president of the association, and A. B. Carter, first vice-president, went before the State Legislature and asked for an appropriation for the erection of a new and commodious coliseum in Indianapolis. The legislators were urged to visit the show and see for themselves the need of a coliseum.

A new poultry exhibition building is to be erected on the New York State Fair grounds at Syracuse during the coming year to cost \$100,000. It is claimed that this will be the most complete as well as the finest structure of its kind in the world.



MADISON SQUARE GARDEN  
NEW YORK 1913.  
FIRST PRIZE AND CHAMPION MALE  
OWNED AND BRED BY E. B. THOMPSON, AMENIA, N.Y.

"Imperial Ringlet," Barred Rock first prize cockerel and first prize pullet at Madison Square Garden, January, 1913, owned, bred and exhibited by E. B. Thompson, Amenia, N. Y. This is the first time in this breed that both champion male and champion female have ever been won by the same exhibitor at one and the same New York show.





## Origin and History of the Rhode Island Reds

By LOUIS A. STAHMER



THE RHODE ISLAND REDS are a breed made and finished by out-breeding and not inbreeding, as is usually the course in establishing a new variety of fowls. No American breed of poultry has taken a greater hold on the fanciers of this country than this valuable addition to the many different varieties of poultry already in existence.

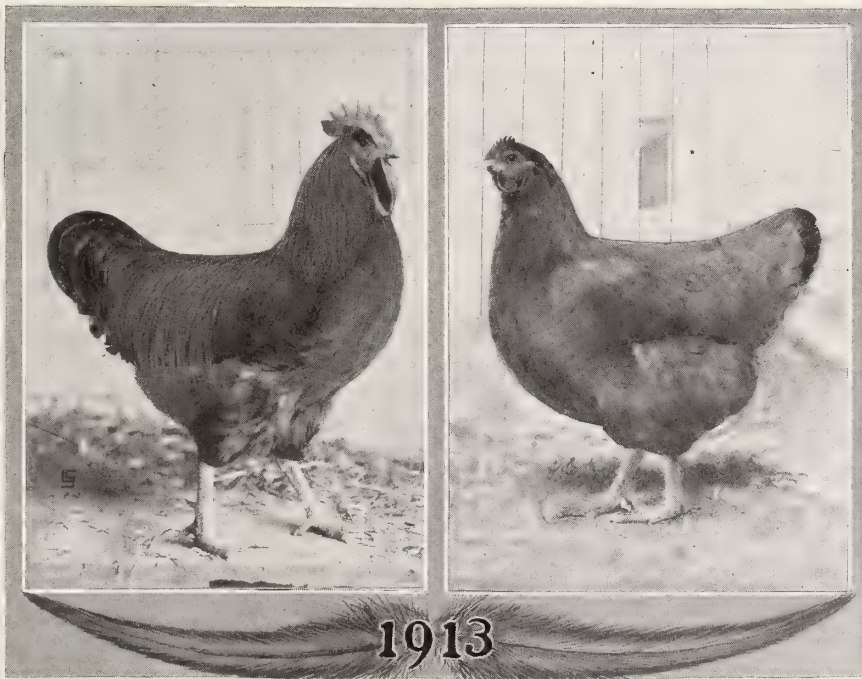
In going up and down the aisle of the show rooms, the observer is struck with the remarkable progress this breed has made in the last few years. Rhode Island Reds have always been popular from the very introduction to the American fanciers and the increased number shown at the large poultry exhibitions is conclusive proof that they have merits of beauty as well as utility.

In looking over an English publication it is amusing to note what the Britisher thinks of our breed. How is this for coming from one of the most distinguished authors in England? Under the heading of the Rhode Island Red, he says the following: "This is another American breed which should not detain us long. It has no merit as an exhibition fowl and looks more like a badly shaped Buff Orpington of too dark a color and with a black tail, and indeed resembles much some of the red brick specimens of this now popular breed when it first appeared. The Buff Cochin is its ancestor and the Brown Leghorn had also a share in its making. It is said to be a good layer, but even its utility qualities have not assisted much in making it popular." What do you think of it, you Red fanciers of America? This is not copied from an old book dated when the breed was in its infancy; it bears the year of 1911, but as there are many other good articles in the publication we dislike to mention the name. Hoping that the perpetrator of this crime against our grand breed will read this, we publish for his benefit the following article by Dr. W. B. Albridge, of Fall River, Mass., contributed by him to Red Hen Tales:

"I am not one of those who is willing to say, 'Never

mind the origin of the "Reds" or any other worthy variety of fowl.' I have been breeding poultry for twenty odd years, and I am always interested in the origin of every breed. Go back into history with me sixty years, and we find that, at that time, 1846-1850, different Asiatic breeds were introduced into this country, especially in neighborhoods that were near the coast. One variety, the Shanghai fowl (yellow and white) was introduced just after the Cochin China, and the two breeds for a time became confused, and many farmers and poulterers declare, spite of feathers or no feathers (on the legs), 'that their fowls are Cochin Chinas or Shanghais, just as they please.' At this time Bennett, in his poultry book, says: 'There are but

few, if any, bona fide Shanghai fowls now for sale.' These Shanghai fowls (Simon pure) were heavily feathered on the legs. Not so with the Cochin China. At this time the Cochin Chinas were bred extensively in southeastern Massachusetts and Rhode Island. Dr. Alfred Baylies, of Taunton, Mass., imported in July, 1846, specimens of the yellow Cochin Chinas. The cockerels were generally red. These were not specimens of what were called the Royal Cochin Chinas, as bred by the Queen of England, but direct importations. The Royal Cochin Chinas were one-third longer. The Shanghais were heavily feathered



Living specimens of Reds that approach very closely to the ideal

in the legs; these imported Cochin Chinas lightly feathered, if at all. The ship Huntress, in May, 1847, direct from Cochin China, brought a pair of this variety of fowl, and Mr. Taylor in speaking of them says: 'The imported cock was a peculiar red and yellow Dominique, and the hen a bay or reddish brown; that the young stock varied only in shade of color.' The Red Cochin China and the Red Malay cocks were selected and crossed with flocks of fowls in Little Compton forty and fifty years ago, the same as today. Later, before the Wyandotte fever, the R. C. Brown Leghorn was introduced into many flocks of fowls in the neighborhood. Even at the time of the introduction of the R. C. Brown Leghorns the red fowls were spoken of as R. C. Reds.



# Red—The Most Consistent Color in Poultry

By LOUIS A. STAHMER



**RED** IS REALLY the king of colors. Red is the color of the blood of man and beast; red is the color of domination, of passion, of love and of beauty. Red is a unique color in this, it seems to exercise a hypnotic influence not only over the mind of human beings, but also the lower form of animals. Show three apples to a baby, one green, one yellow and one a bright red, and the child will invariably select the red one. We all know and some of us perhaps have seen the effect of showing a bright red cloth to a bull in the pasture. Among fowls the turkey is excited by this color more than any other. Red plays an important part in our lives and it may be, as Professor W. Peabody Bartlett says, due to the fact that red is the color of blood, and as blood is life, the sight of it stirs both man and beast to the highest point of excitement.

Red is the strongest and most peculiar color in poultry. It is the most persistent breeding color. No other color can displace it forever from certain parts of the body of fowls and it will always reappear if no attention is paid to the breeding. This has been proven conclusively in experiments made by Darwin and Tegetmeyer. As stated before, red is one of the colors that appears most frequently in the plumage of our fowls, but it never appears alone, it is always accompanied by either black or white. No solid red fowls have ever, or will ever, be bred. The reason for this is that the ancestors of all fowls, the Bankiva Jungle



White Orpington pullet "Lady Finance," 1st and Special prize Kalamazoo. 1st and Special prize Grand Rapids, 1st and Special prize Muskegon, Mich., shows January 1913. Bred and owned by C. A. Keefer, Muskegon, Mich.

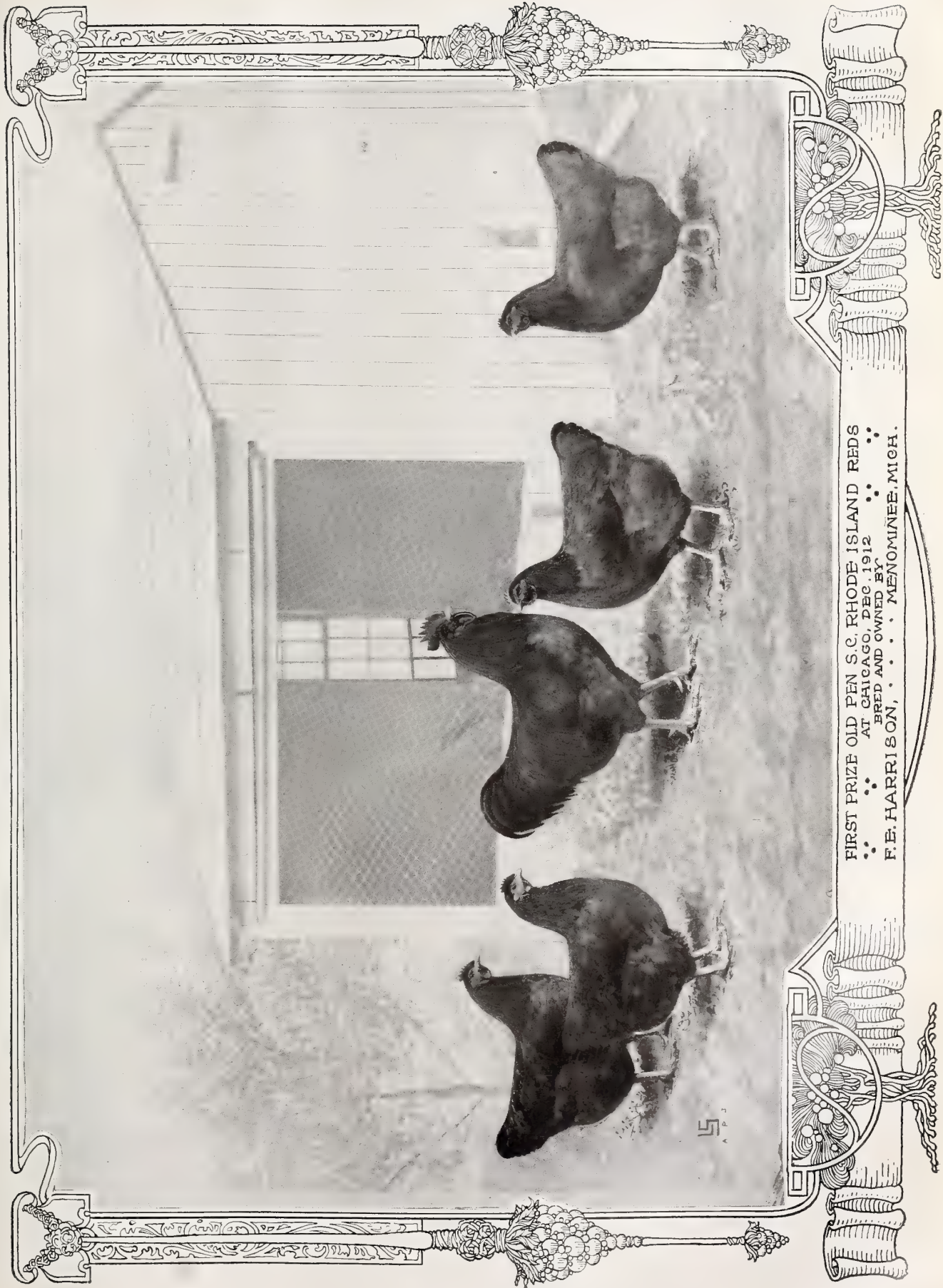
fowl, had this color only on the head, neck, back, saddle and shoulders of the male, and notwithstanding a hundred years of systematic and selective line breeding, it has not been possible to produce this color on any other part of the body than the above. Red is always accompanied or contains either black or white, and if one tries to breed out the black by crossing with white, the red will be practically unaffected. It will blend to a certain extent with the white, but it will always reappear in the original strong color if no other attempt is made to reduce the intensity by selective breeding. Red, as the poultry breeder understands the color, is not the shade of red represented in our American Beauty roses. It is more of the red that borders on deep orange approaching carmine. It can be found in a great variety of shades, from deep chestnut, on account of a certain amount of black pigment being mixed with it, to a light buff shade. Red and black are the primary colors in the poultry world. White represents the absence of color and for that reason cannot be classed. Buff, blue, salmon, yellow, gray and all other shades that appear in our fowls can be produced from the mixture of the two primary colors with white, while no mixture of the other shades or, so to say, secondary colors, can produce either red or black. The nearest approach to the solid red color fowl is the Rhode Island Red. Yet every breeder knows that the red which could really be classed under this title is found in the male alone and then only in

such respective parts of the body as it occurred originally in the jungle fowl. The red color of the hen, as well as the red color on the breast and body of the male, is merely a mixture of red, black and white. In order to make it clear to the poultry breeder that this is the case, we have prepared the accompanying series of colored charts in which we have tried to show a few different shades, which can be produced by the mixture of the two primary colors, red and black and with white. It is impossible to show all the shades which can be made. To show all the different shades possible would take more paper than has been manufactured to date. The half tones from which these colored plates are printed contained 100 lines to the inch, representing 10,000 dots to the square inch. Inasmuch as half tones have been made with the screen showing 160,000 dots to the square inch, it will be realized that it is impossible to show all the different shades which can be made by the mixture of these two colors. A glance at the illustrations will show the breeder which one of the colors is dominant. If it were possible to take the feathers of a breeding pen of fowls and analyze the pigment microscopically and ascertain the correct proportion of the different colors in each flock, it would be perhaps very easy to produce specimens of any desired shade, taking of course the laws of breeding into consideration. Many poultry breeders by years of selective and line breeding have fixed the color to a certain extent in their birds. The beginner is nearly always under the impression that he can take a dark colored bird and mate same with a light colored one and expect a lighter shade of color in the offspring such as a combination of these two colors would produce if mixed on the pallet of an artist. Not being familiar with the laws of heredity as established by Mendel, he goes on for years before obtaining the desired results.

In the charts herewith we have selected a red that borders close on to the orange shade which is generally found in the hackle and saddle feathers of the Brown Leghorn male and in many other fowls similarly colored. The effect of this color printed on the white paper is somewhat different than the same shade of red would give if viewed by transmitted light. Looking through a bottle of red ink the red as viewed by the transmitted light is of an entirely different shade than it appears when the ink is used on white paper. We are under the impression that the color pigments in the feathers of our fowls are suspended in a kind of semi-fluid matter which is absorbed during the moult and leaves the feathers in a dry condition at that time. As the colors of our fowls exhibit their greatest brilliancy during the mating season, we are somewhat inclined to think that the reproductive organs are directly responsible for the appearance of the color pigments. Experiments made by Guthrie, Castle and Davenport in transplanting the ovaries of Black and White Leghorns and also in Guinea pigs seem to bear out this statement to a certain extent. This also proves that the color of our fowls cannot be influenced by feeding, as some of our poultry fanciers believe, for if it could we would have a lot of green colored chickens running around, as grasses and vegetables contain chlorophyll, from which a harmless bright green color is made used for coloring articles of food.

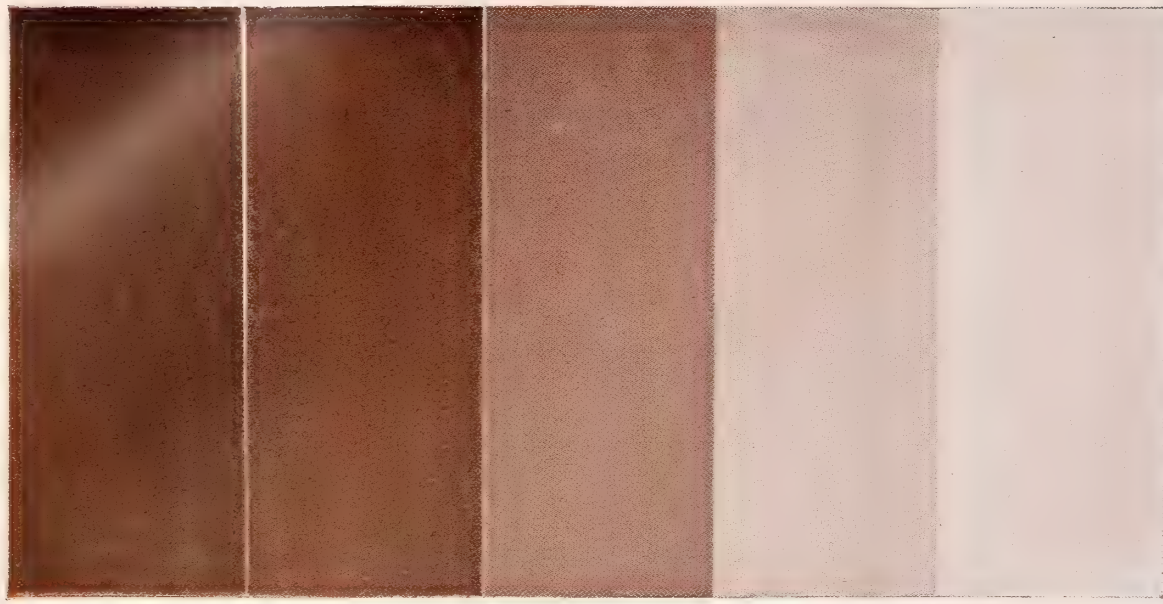
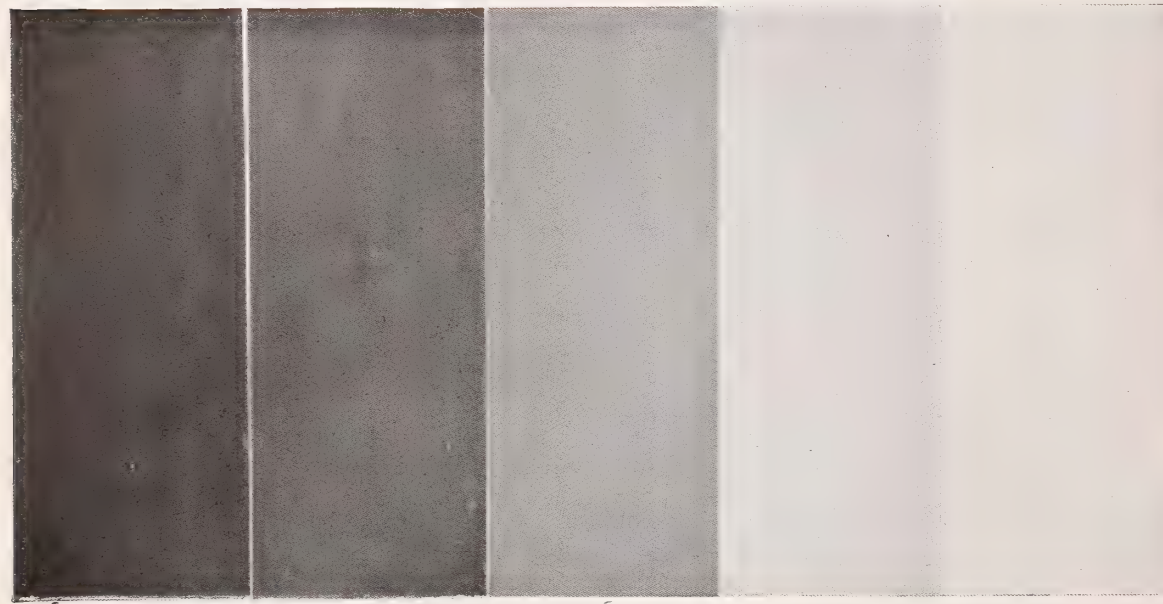
Many breeders of white plumaged birds are under the impression that feeding yellow corn to their birds will affect the color of the plumage, and for this reason feed white corn exclusively. While it is true that yellow corn will affect the color of the ear lobes of some strains of White Leghorns, we have not noticed that it affected the plumage to any extent and believe that it is characteristic of individual specimens only in whom it occurs. There are always exceptions to every rule and we would say here that perhaps such foods which contain chemical properties that act on the reproductive organs might affect the color of the plumage, as for instance wheat or rye affected with ergot. Experiments made with feeding artificially colored foods intended for influencing the color of the plumage have always failed and specimens in which it was believed that the treatment had taken effect have failed to transmit the color to their offspring and resumed the original color after moulting. During the moulting season the feathers are no longer stimulated or, so to say, nourished by the circulation of the blood, and the moisture of the pigment is absorbed and the plumage loses its brilliancy. This is especially noted in the plumage of red and buff colored fowls, which at this time present a very mottled appearance on account of some of the feathers drying up faster than others.





FIRST PRIZE OLD PEN S.C. RHODE-ISLAND REDS  
.. .. AT CHICAGO, DEC. 1912 .. ..  
BRED AND OWNED BY  
F.E. HARRISON, . . . . MENOMINEE, MICH.

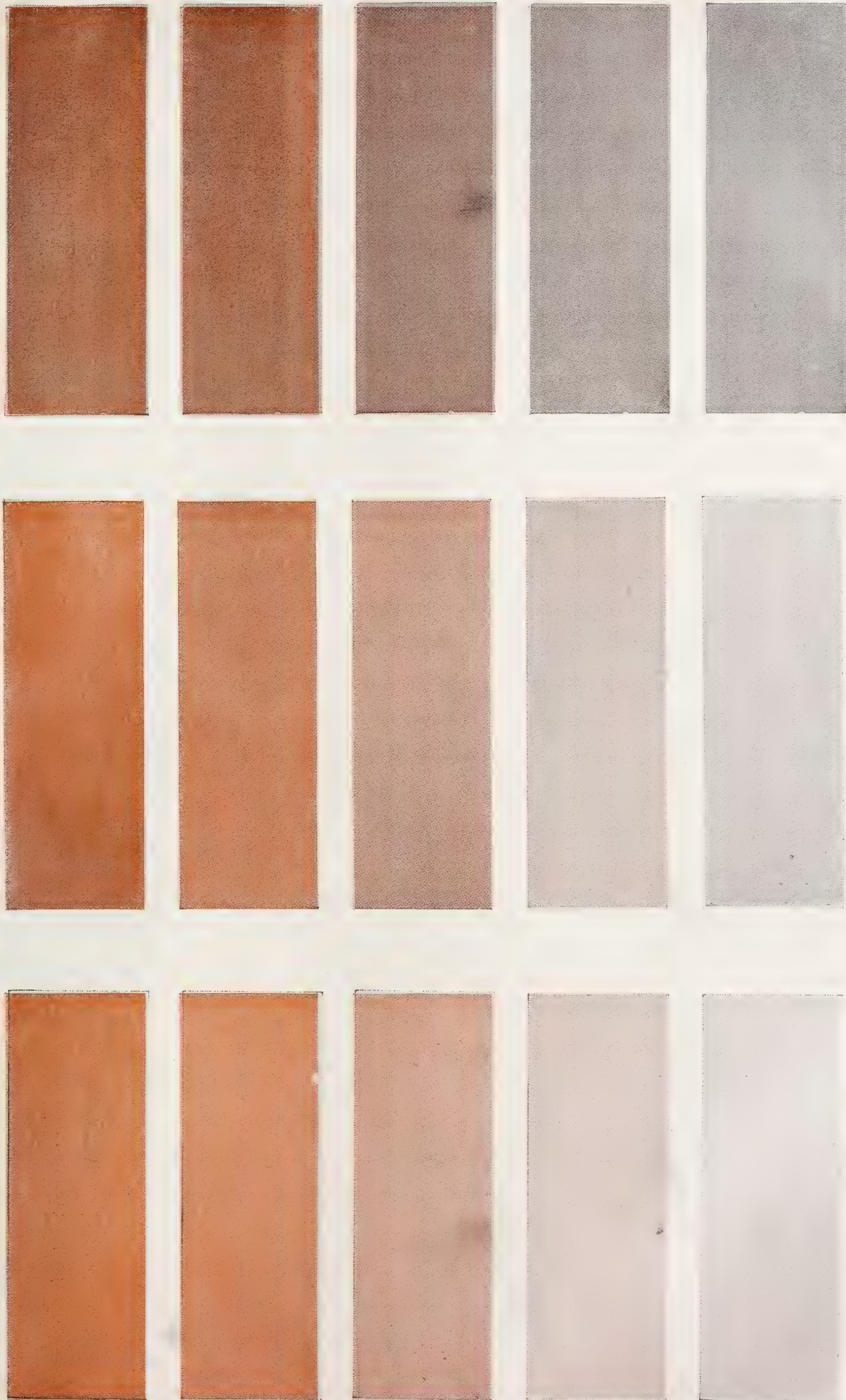




Red and black are the primary colors of our poultry. All other shades of colors appearing in our fowls can be produced from these two with a mixture of white. White represents the absence of all colors. In the plumage of our fowls it is the white semi-fluid matter which holds the pigments in suspension which produces the different shades. We are trying here to represent this fluid by the white paper and in order to obtain an equal distribution of

colors have employed a halftone screen of 100 lines to the inch, giving 10,000 dots to the square inch mixed, with 10,000 dots of white. By showing tints having these dots in different sizes we could produce an almost endless variety of different shades from these two colors and we believe that the poultry fancier will readily recognize many of the different shades found in our poultry.





It is impossible to show all the different shades that can be produced from red and black and we believe that the few tints which we show will at least give somewhat of an idea about what can be done in producing any desired shade of color in our poultry by careful line and selective breeding. In line breeding the inheritance of color and shape must always be taken

into consideration when mating up breeding pens. By this selective breeding method the colors become fixed to a certain extent in the strain, and enables the specialty breeder to produce a greater number of Standard colored birds than the breeder who mates up birds whose ancestry is unknown to him.





Shape makes the breed, color the variety. Shape, especially in White Leghorns, is the greatest asset of a flock. The above male bird, winner of the first prize cock at the late Chicago show, is without any doubt a most beautiful specimen of the breed, otherwise he could not have won in the greatest White Leghorn class that has ever been shown at Chicago. We truly believe that of the many White Leghorn males that we have photographed, this is one of the five best ones we have ever had the pleasure to handle. The pose of the bird shows the beautiful type and station and tail carriage which is so much desired in the Leghorn of today. Mr. Grove is to be congratulated on having such an excellent specimen in his breeding pen. His mating list is now ready and he sends it free. Address E. W. Grove, Jr., Route 1, Clayton, Mo.

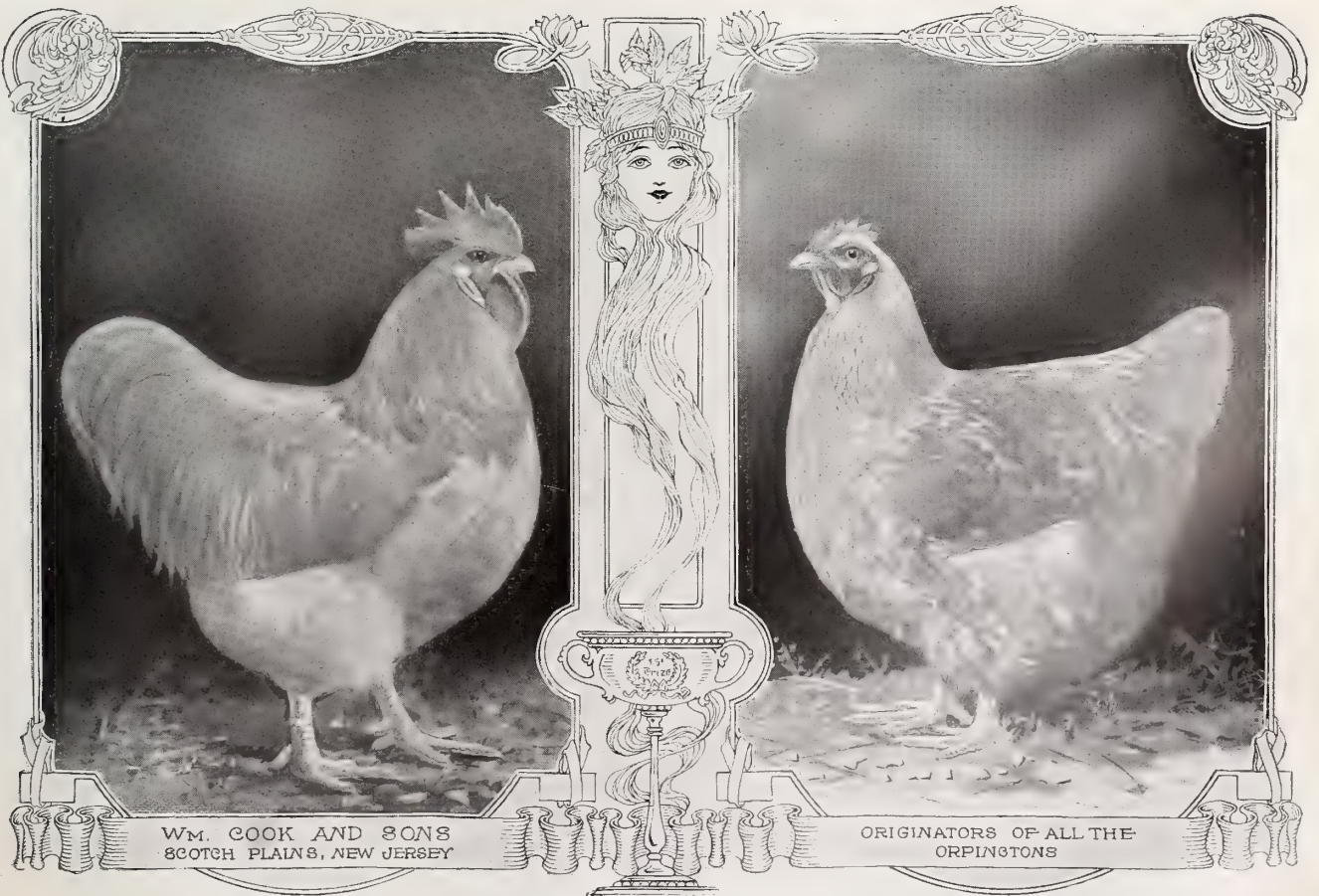




FIRST PRIZE R.C.R.I. RED COCK  
SHAPE & COLOR SPECIALS  
:: MADISON SQUARE GARDEN, JAN. 1913 ::  
OWNED AND EXHIBITED BY  
PAYNE BROTHERS, . . . PORTLAND, CONN.



FIRST PRIZE R.C.R.I. RED PULLET  
COLOR SPECIAL  
:: MADISON SQUARE GARDEN, JAN. 1913 ::  
BRED, OWNED & EXHIBITED BY  
PAYNE BROTHERS, . . . PORTLAND, CONN.



WM. COOK AND SONS  
SCOTCH PLAINS, NEW JERSEY

ORIGINATORS OF ALL THE  
ORPINGTONS





FIRST PRIZE PEN OF WHITE ROCKS  
MISSOURI STATE SHOW SPRINGFIELD, MO., 1912  
BRED AND OWNED BY, DR. L. D. LE GEAR,  
ST. LOUIS, MO. . . . . FARM AT KIRKWOOD, MO.



# Home and the Table

## Good Things for Everybody

Helen F. Woods  
Editor

THE FOLLOWING LETTER from a father, a reader of this department, is of vital concern to those interested in the nation-wide public school reform movement. It shows forcibly that the question for educators and parents to consider is not one of hours in school or cramming of information, but of the opportunity for the child to satisfy his natural desire for knowledge, and the recognition of the fact that children should be dealt with individually, in so far as their natural bent in any direction is concerned:

In your department of the Oct. A. P. J. you have said what I long have thought, and what I long to read in reference to the work of the public schools. I note particularly the whole of the second paragraph and in the next paragraph, the last part about creating an AVERSION to work. Bless us all, give me a good boy to start with and from the time he is one to twenty-one, I will not give him the slightest morsel of a task, either in manual labor or study, that he isn't eager for. In fact, in the case of the only boy I ever did bring up, I never set him at any task at all of any kind. It was all elective and he the elector. And in both manual work and study he is the most constant and hardest worker I ever knew, of any age, sex,

We never have a fantasy so subtle and ethereal but that talent merely, with more resolution and faithful persistency, after a thousand failures, might fix and engrave it in distinct and enduring words, and we should see that our dreams are the solidest facts that we know.—Thoreau.

or previous condition of servitude, only there was no such previous condition and that's one reason.

Previous to the age of fifteen he went to school only about two months, as I remember it. Between that and his majority, he attended about eighteen months, I guess, at private, military and business school, and graduated. Later got a degree at the Conservatory of Music and Musical Normal School, combining qualities of quick, easy learning with working just like a veritable fiend, and later, year after year, crowding his teaching business, and continually crowding it, all the evenings and all the Sundays (directing choirs). The evenings, spent as orchestra leader in a theatre, and band instructor other evenings, and all sorts of orchestras, "sacred" and secular, juvenile and adult. Plays a dozen instruments and is a soloist on two; also vocal soloist and instructor, city supervisor of music, with private pupils on a variety of instruments to fill up all the chinks from Sunday morning to Sunday morn-

ing again. Just incessant work, work, one year after another.

He never had schooling enough to make "AVERSION" to work. Now, some people would reply that I had a good boy to start with (thanks to his mother and her race), but with another boy the result might be that he would never know anything and never do anything but just "laze around." Well then he would never amount to anything anyway, under any system of management. The probability is that unless he is feeble minded, or born terribly warped, there is something he can do, and would like to do. The public "Vocationer" must study such a case and find out; but whatever is done, such a boy is the last in the world to be ground up in the AVERSION factory, commonly called a "school." The good boy is hurt, the lad at the other extreme is hurt, and all intermediate shades and grades are hurt.

The old curriculum may have to be used a long time yet, since teachers are not in supply for a change, and the public is not ready for it. But the movement is under way. The magazines are full of it, especially the Ladies Home Journal.

In the third paragraph of your article in Oct. A. P. J., above referred to,



CHAMPION MALE OF THE SHOW, FIRST PEN COCKEREL AT NATIONAL WATER-CK MEET, SPRINGFIELD, ILL., JAN. 6-12, 1913. BRED & OWNED BY H. W. HALBACH, WATERFORD, WIS.



I note with delight your mention of the great learnability of children, only "catch them while they are young," as we used to say when we kept caged squirrels. It has been a source of surprise to me, the great capacity to "learn rapidly and quickly and without great effort."

Once I wondered at the very early attainments of Mill, the younger, while being taught by Mill, senior. Thought it must be almost entirely owing to the former being a precocious prodigy. I was a long time learning the tremendous hunger, and capacity for digestion and assimilation of the young child's mind. A single bright child will use the working hours of the round year of one teacher, if arrangements are made for it. Just one ordinary child, not a genius.

Two things you cannot (ordinarily) develop early. One is the poetical sense and the other the power of reasoning. One that can grow as fast as Jack's beanstalk, is music. Some children can sing before they can talk. Many have a fairly good perception of both time and tune at three or four, while the "ear for music" in some develops decidedly late. There is much irregularity about it. But there are so many youngsters ripe for it early that a good teacher can show off a nice little orchestra, ages five and six, a still more attractive one, ages nine to twelve, and at sixteen an actual wonder that will make the old seasoned musicians' spines stiffen and eyes glow. And this is not

only true of music but of every branch of knowledge. It may take fifty years to clear away the old debris, though much will be done in the next twenty to revolutionize the methods now in use in the schools, but let us hasten the day. The teachers may have to be born and trained. But the foundation is dissatisfaction with the old methods. When that becomes well nigh universal a way will be found to install the new. Hardly anything else can be regarded as bringing more important results than this educational reform, when it is complete.

Heredity and environment make every human action. Not a particle of any other influence has ever been proved. Now, side by side, come eugenics for the first, and school reform for the second. Not only in school itself, but out of school, in diet, exercise, hygiene, and all that sort of thing, including amazing progress in medicine, everything conspiring to better the environment. Let the good work go on. We will have a race of people to be proud of.

Now, let those who are interested in the vital question of reforming the present-day public school system read the article, "How Can the Public School Make Good?" by Ella Frances Lynch, in the February Ladies' Home Journal, which is in line with this father's methods, used so successfully with his son, twenty-five or thirty years ago.

#### Entire Wheat Bread.

Dissolve one-half yeast cake in one-half cup lukewarm water. Melt two table-

spoonfuls shortening in one cup scalded and cooled milk, and to this add one teaspoonful salt, one-fourth cup molasses, the yeast dissolved in the water and about two and one-half cups of entire wheat flour and one and one-half cups white flour. Mix well but not into a stiff dough. Cover and allow to stand in a warm place until light. Knead it down again, and place in pans until light enough to bake, when it should be placed in a quick oven, and the heat gradually reduced after the first ten minutes.

#### Oatmeal Bread.

Pour two cups boiling water over one cup Quaker Oats, and add one-half cup molasses. Allow to cool and add one teaspoon salt, one tablespoon lard or other shortening, and one-half yeast cake dissolved in one-half cup of warm water. Make stiff with white flour and rise over night. In the morning, proceed as with entire wheat bread. This makes one dozen rolls and one loaf of bread.

#### Old-Fashioned Buckwheat Cakes.

Use the best quality buckwheat flour (not prepared buckwheat flour). Dissolve one-half yeast cake in one cup lukewarm water and add to three cups cold water in which a teaspoonful of salt has been dissolved. Sift in about three and three-fourths cups of buckwheat flour, and beat thoroughly, when the mixture will bubble up when the beating stops. Cover and put in a warm place to rise over night. In the morn-

## BABY CHICKS—U. R. Fishel's White Plymouth Rocks the Best in the World BRUCE & ABBOTT'S BUFF ORPINGTONS

Win at CINCINNATI January 23-29, 1913—1st and 2d cock; 2d and 5th hen; 1st, 2d, 4th and 5th cockerel; 1st, 2d, 3d and 4th pullet; 1st and 2d young pen; 1st old pen; silver cup for best display of Orpingtons, Buff, Black and White competing. The best winning ever made in a big show by a Buff Orpington breeder. We won more first prizes at New Orleans, Atlanta, Pittsburgh, Indianapolis and Cincinnati than all others combined. Send for our mating list—it tells the whole story.

BRUCE & ABBOTT

BOX 10

WHITELAND, IND.

## ANCONAS - HOUDANS - S.C. BUFF ORPINGTONS BABY CHICKS EGGS FOR HATCHING

We are breeding Egg Laying Prize Winners in Orpingtons, Anconas, Houdans and Lakenvelders. 100 acres of range devoted to our birds. Size, vigor and beauty, with sound color, the results. Hatching Eggs and Baby Chicks in utility and fancy are now ready for delivery. Strong, vigorous cockerels for sale. All stock line bred for years with best results assured to all and absolute satisfaction. Write us your wants and for further particulars.

MOUNTAIN ORCHARD POULTRY FARM

BOX 13, NARVON, PA



FIRST  
PRIZE  
COCK

MADISON SQUARE GARDEN 1908-'9 & BOSTON 1909  
KAUFMANN & WINDHEIM NUTLEY N.J.

ROSE  
COMB  
R-1-RED

## KAUFMANN & WINDHEIM'S ... "Famous American Beauty Strain" ... Rose Comb Rhode Island Reds

The recognized champions of the United States. Winners of more regular and special prizes at the great shows of America than any other breeder.

#### EGGS FOR HATCHING

Our breeding pens have never been so strong as at the present time. Every pen headed by a male bred down from our famous Bill Taft, the greatest Rhode Island Red ever produced.

WRITE TODAY FOR HANDSOME FREE CATALOGUE which describes our birds and the plant on which they are hatched and reared.

**KAUFMANN & WINDHEIM, ORIGINATORS, NUTLEY, N. J.**  
(The largest exclusive Rose Comb Rhode Island Red breeders and exhibitors in America.)



ing, add one-half teaspoonful soda dissolved in one-half cup boiling water and two tablespoonfuls sugar or molasses. Beat lightly and bake on a hot griddle. Serve immediately.

#### Virginia Rice Batter Cake.

Boil the rice sufficiently to have one cup when boiled. While still warm, add butter the size of an egg, a tablespoonful of sugar and one teaspoonful of salt. When cold, add one well beaten egg, one pint of milk, one cup of Indian meal and a teaspoon of baking powder. Bake in a hot oven and serve immediately.

#### Popovers.

Beat one egg until very light; add to one pint of milk. Sift in one pint of flour, one teaspoonful baking powder and one teaspoonful salt. Have gem pans hot and well greased; fill one-half full, bake in hot oven.

#### Graham Gems.

One cup graham flour, one-half cup white flour, one-fourth cup sugar, one cup sour cream, one even teaspoon soda, one teaspoon salt. Mix in the usual order, dissolving the soda in the sour cream, and bake in a moderately hot oven.

#### English Tea Cake.

By Miss A. B.

One and one-half quarts flour.  
One-quarter pound lard.  
Two teaspoonfuls salt.  
One heaping tablespoonful sugar.  
One pint scalded milk.  
Three-quarters yeast cake.

Mix in the evening, as you would bread, but making it a little stiffer. In the morning, knead thoroughly and cut the dough into three parts. Roll these separately into round shapes to about one inch thickness, and allow to rise. Bake the same as bread. To serve, split and place in the oven until hot throughout; butter and serve immediately.

#### FOR THE PRESIDENT OF THE A. P. A.

The question of who the next president of the American Poultry Association will be has evidently simmered down to two candidates, both of whom are men of quality known to the poultry world; both are capable, and either would grace the high office for which they have been proposed.

Every member of the A. P. A. has one vote to cast and should exercise his privilege, he should make his choice after well balancing and due deliberation of the qualities of both men, as he sees them, then vote as his personal mind dictates for the association's best interests.

In Mr. E. E. Richards, of Iowa, we have a candidate who has labored for years as a journalist for poultry, his friends are many and he well deserves them all. Personally we are but slightly acquainted with Mr. Richards, but from his record made we are assured of his able quality.

In Mr. E. B. Thompson, Amenia, N. Y., the association offers as a candidate for president a man and a breeder of world-wide reputation, a leader among the breeders of this great country and one of the oldest A. P. A. members. A man of exceptional quality and a success, not only as a breeder, but from every view-point.

For over 30 years he has been among the leading and prosperous breeders of

the age, a man strong in organization always willing with advice and purse to aid the cause, and the first man to realize the value of special organization and to organize and freely back the first specialty club known (The American Plymouth Rock Club) also donating his personal time and for several years acting as its secretary.

To our mind and with due respect to all we have in Mr. Thompson an ideal candidate that promises well for the future of the A. P. A. He has the interests of poultry at heart from the breeders' point of view, just the one we want and need at this stage. The

tonic the association sadly needs is that of a sound breeder at this time, for in all our travels we have found the sentiment strongly in favor of a breeder, and against a journalist for president. The Journal men have had their day and it has been a long one, but with credit to them, now let us have a breeder again for they are the real backbone of the fancy and have made possible the present and the past poultry success. Every member can vote for Mr. Thompson with assurance of a duty well done and a prosperous future for poultry.

H. P. SCHWAB.

## American Silver Campine Farm

### PRODUCE THE LEADING SILVER CAMPINES OF THE WORLD

Bred from special matings and raised right. Barred from head to feet. Grand shape and good size. Acknowledged leaders of all layers of large white eggs the year round; non-sitters. All-round money-makers and ideal fanciers' fowl. Get in on the ground floor with American Silver Campine Farm Strain and be a big one.

**AMERICAN SILVER CAMPINE FARM**  
**MT. CLEMENS : : MICHIGAN**

## If I Buy Baby Chicks Will They Mature Into Pullets Like These?



Will they grow into birds that I can feel proud of and that will lay Winter eggs in quantities, or win the blue ribbons for me, or will they be just scrubs that's the question before everyone who buys day-old chicks. It is not the first price that counts, but will they be right at maturity?

### Caldwell's White Plymouth Rock (Fishel Strain) "Baby Chicks of Quality"

#### From Utility Matings

Will mature into long backed, well made birds pure white in color, that will be the secret of "Winter eggs." Every utility breeder is descended from known good layers that have been bred that way.

#### From Exhibition Matings

Will mature into blue ribbon winners. Every exhibition pen is made up of birds with good combs, of good type and chalk white in color, possessing the rich blood lines of generations of Fishel blue ribbon winners. Our birds were among the principal winners at the Indiana Fanciers' Show, Indianapolis 1912.

#### Our Flocks Are Vigorous

All Fall our flocks have roamed meadows and woods accumulating health and vigor. They are now in Winter quarters so full of life and vitality that their chicks will be strong and sturdy.

#### Here Is the Caldwell Selling Plan

We are now booking orders for "Baby Chicks of Quality" for Spring delivery. We never have been in such fine shape to handle orders of any size. Our fine plant is fully stocked with the finest birds we ever owned of both utility and exhibition quality. An early placed order enables us to so arrange our hatchings that we save money. By your faith you are entitled to that saving so we will allow you discounts for early placed orders, the earlier the greater the discount. Safe arrival of chicks is guaranteed.

#### A New Catalog Is Now Ready

One of the finest ever issued by any breeder. It tells just how "Baby Chicks of Quality" are produced and describes every grade of stock that we have to sell with prices. A copy is ready for you.

**R. C. Caldwell : Box 1021 : Lyndon, Ross County, Ohio**



## National Egg Contest for January

THE hens and pullets in the National Egg Laying Contest at Mountain Grove, Mo., more than doubled the record made by the hens in the same month for the previous year. The yield for January one year ago was 3,203 eggs, and the yield for January this year was 7,016 eggs. The total for the first three months last year was 11,403 eggs, and the total for the first two and a half months this year was 12,970 eggs, or 1,567 eggs more in two and a half months this year than in three months of last year. We attribute this to the fact that we have more pullets this year and the winter has not been so severe as last, and our pens most all appear to be of better quality. They are consuming more feed than last year.

A Canadian Black Orpington pullet in pen 59 laid every day in January, laying 31 eggs in the 31 days. The pen of S. C. White Leghorns, No. 2, belonging to Tom Barron, of Catforth, England, leads the contest for this month with 213 eggs, and also leads for the two and a half months with a total of 476 eggs. They won silver cup for both December and January.

The standing of the ten highest pens of ten hens each for the two and a half months is as follows:

	Eggs.
Pen No. 2. S. C. White Leghorns, England	476
Pen No. 23. Silver Wyandottes, Illinois	384
Pen No. 19. Silver Wyandottes, Iowa	340
Pen No. 59. Black Orpingtons, Canada	332
Pen No. 33. Barred Plymouth Rocks, Illinois	314
Pen No. 57. Black Langshans, Missouri	313

Pen No. 20. White Wyandottes, Arkansas	313
Pen No. 43. S. C. Reds, Florida	306
Pen No. 28. White Wyandottes, Arkansas	305
Pen No. 24. White Wyandottes, New Jersey	300

The best pen records for the 31 days in January were as follows:

	Eggs.
Pen No. 2. S. C. White Leghorns, England	213
Pen No. 57. Black Langshans, Missouri	193
Pen No. 19. Silver Wyandottes, Iowa	192
Pen No. 50. Buff Orpingtons, Missouri	174
Pen No. 20. White Wyandottes, Arkansas	172

Pen No. 33. Barred Plymouth Rocks, Illinois	168
Pen No. 23. Silver Wyandottes, Illinois	167
Pen No. 34. R. C. Reds, Missouri	161
Pen No. 27. Silver Wyandottes, Missouri	157
Pen No. 56. White Orpingtons, Kentucky	152

The best individual records for the two and a half months are as follows:

	Eggs.
Hen No. 68. S. C. White Leghorn, England	63
Hen No. 66. S. C. White Leghorn, England	62
Hen No. 709. Buff Plymouth Rock, Missouri	60
Hen No. 2050. Black Orpington, Canada	58
Hen No. 601. Silver Wyandotte, Iowa	56
Hen No. 600. Buff Wyandotte, Missouri	56
Hen No. 656. White Wyandotte, Arkansas	55
Hen No. 860. Buff Wyandotte, Vermont	55
Hen No. 735. Black Langshans, Missouri	55
Hen No. 61. S. C. White Leghorn, England	55
Hen No. 65. S. C. White Leghorn, England	55

### Our Feeding Tests.

Where we are keeping 28 different kinds of feed before the hens at all times, and are allowing them to help themselves, we are getting the best

results. How long this will continue, we cannot say. If hens will lay as many or more eggs where the feed is kept before them, it will save a great deal of labor in feeding. This may work in winter, but we have our doubts about it in the summer. They have eaten exactly the same amount of wheat as they have of corn, 44 pounds of each. They have eaten about three times as much corn and wheat as of any other one kind of feed. Rolled oats, millet and sunflower seed come next. They have eaten but little ground food of any kind. They are drinking about the same amount of buttermilk as water.

### New York Method.—Pen No. 62.

The method of feeding one pen will be announced each month. This pen in the feeding test is being fed as follows:

Grain mixture in winter	Grain mixture in summer
60 lbs. wheat	60 lbs. wheat
60 lbs. corn	60 lbs. corn
30 lbs. oats	30 lbs. oats
30 lbs. buckwheat	

The above grain mixture is fed night and morning in the straw litter.

The following dry mash is fed in the hopper, kept open in the afternoon only:

60 lbs. corn meal
60 lbs. wheat middlings
30 lbs. wheat bran
10 lbs. alfalfa meal
10 lbs. oil meal
50 lbs. beef scraps
1 lb. salt.

The fowls should eat about one half as much mash by weight as whole grain. Regulate the proportion of grain and

# BESUDEN BROS.' CHAMPION BUFF WYANDOTTES

Have proven their superiority over all others by their wonderful and unequalled show record.

At six of America's greatest shows in the fiercest competition they won 30 out of a possible 32 first prizes and nearly every other prize of importance. Showing at the Great Coliseum Show, Chicago, Nashville, Ohio and Indiana State Fairs, Hamilton and Cincinnati Shows.

This record demonstrates certainly beyond doubt that we have

## The Real Champion Buff Wyandottes

For the 1913 egg trade we have 20 of the most beautiful pens ever mated. Each bird at the head of every pen is a noted winner. All mated with the finest lot of Buff females in existence. Over twenty years of scientific breeding and rich blood lines back of this flock.

### The List of Winners Heading 1913 Matings

Cockerel—First, Cincinnati, 1913.  
Cock—Sturdy Boy First, Boston, etc.  
Cock—First, Cincinnati, 1913.  
Cock—First, Nashville, and Ohio State, 1912.  
Cock—First, Chicago, 1910.  
Cock—First, Toronto, 1911.  
Cockerel—First pen, Chicago, 1912.  
Cock—First, cockerel, Columbus, 1912.  
Cock—First, Cincinnati, 1912.  
Cockerel—First, Pen, Cincinnati, 1913.

Cock—First, Grand Central Palace, 1911.  
Cockerel—Second, Cincinnati, 1913.  
Cockerel—First, Nashville, 1912.  
Cock—Second, Boston, 1911.  
Cock—Second, New York, 1911.  
Cock—First, Indiana State Fair, 1912.  
Cock—First, Columbus, 1912.  
Cockerel—First, Hamilton, 1912.  
Cock—First, Pen, Boston, 1911.  
Cock—Fourth, Chicago, 1912.

We will raise chicks and sell eggs from every one of the above matings. To win the most coveted prizes you must have Champion Buff Wyandottes.

THE GREATEST SHOW BIRDS.

THE MOST WONDERFUL LAYERS.

Send for our Free beautifully illustrated mating list.

Besuden Bros., C. A. Besuden, Prop., R. W. Sturtevant, Mgr., Box 359-B, Cincinnati, Ohio



ground feed by giving a light feeding of grain in the morning and about all they will consume in the afternoon feed (in time to find grain before dark). In the case of pullets or fowls of heavy laying, restrict both night and morning feeding to induce heavy eating of dry mash, especially in the case of hens. This ration should be supplemented with beets, cabbage, sprouted oats, green clover or other succulent food, unless running in grass covered range. Grit, cracked oyster, shell and charcoal should be accessible at all times. Green food should not be fed in a frozen condition. All feed and litter should be strictly sweet, clean and free from mustiness, mould or decay. Serious losses frequently occur from diseases, due to the fowls taking into their bodies, through their intestinal tract or lungs, the spores of the fungus causing moulds.

#### The Selection of Breeding Stock.

The breeding season is at hand. It might be well to consider a few things which should be remembered in the selection of breeders for this season, and in the rearing of the breeding stock for next year.

The selection and care of the stock intended for breeding purposes lies at the very foundation of your success in the poultry yard. A single error in the coming season may tear down all that you have been a life time in accomplishing, either in the perfection of a strain of high layers, or in the production of a desired color of plumage, or of a certain type of fowl of any variety. This being true, I cannot too strongly urge upon you, both farmer and fancier, the very great importance of being

careful in the selection and care of fowls which you intend to use for breeding purposes. I cannot impress upon you too forcibly that this is the most serious problem which we have to deal with in the poultry business today. It is more important than housing, feeding, incubation or brooding, and other problems with which we have to deal. The care and selection of your breeding stock affects all phases of the industry.

Selection should be emphasized and spelt with capital letters. It should begin with the eggs which are placed in the incubator, or with those entrusted to the hen. The egg should have a firm shell, should be smooth, of uniform color, and of reasonably good size for the variety it represents. You again make a selection at testing time, culling out the infertile eggs, and those containing dead or weak germs. The next selection is made the day the chick is hatched. The weak, runty, crippled chick should never be allowed to live. They may overcome their weakness to a certain extent but the chances are they will be a menace to your flock, a "delusion and a snare" all through life, and later they may feather out, and recover from their weakness to some extent and if you happen to be short on first class birds for your breeding pen, one of these may slip through, and if there is anything in inheritance of weakness or that "like begets like," the character of weakness will more than likely be transmitted to the offspring, so the elimination of any evidence of weakness at hatching time or later if it develops, may save you from many sleepless nights and from financial loss later in your history as a poultry-

man. Spot it, mark it, and eliminate it wherever it occurs. If you don't care to kill the chickens, mark them, and separate them into a separate pen, and fatten them for market as you do chickens culled out for disqualifications or for other reasons. There is another reason why you should eliminate all which you may have left in your flock. People who visit your place will remember longer and make more remarks about two or three worthless birds which you may have left in your flocks than they will of the hundreds of strong, husky individuals which they may see there. Then when the pullets and cockerels are assembled to go into winter quarters, you should again make another selection. Cull out those which have been slow to feather, slow to mature, and those which are small boned, lacking in vitality, and very much undersized.

I consider the question of vitality of the breeding stock to be the first and most important factor to be taken into consideration in selecting your stock for breeding purposes. Without vitality, a hen cannot be a good egg producer. Without vitality, a satisfactory amount of meat cannot be grown upon a carcass. Without vitality, the fowl cannot make an economical use of the food which you give it. Without vitality your per cent of mortality is certain to be very high. Unless you and I are one of the kind "who knows it all," we are certain to make more or less mistakes in our methods of feeding, housing, yarding and other operations in the poultry yard. Even to do the very best which most of us know how to do, we are still defying nature more

## BESUDEN BROS. PURITAN PARTRIDGE PLY. ROCKS

Their wonderful winnings at four of the leading shows demonstrates the quality of stock we have in our yards. At Chicago, Louisville, Indianapolis and Cincinnati Shows, in hot competition, we won every first we competed for except two.

Our Grand Champion Cock, Pride of Ohio, winner of championship cup at Cincinnati, and First at Indianapolis, will head one of our matings. Breeders and judges pronounced this bird as the most typical Partridge Rock they ever saw. For the 1913 eggs trade we have 10 Very Select Matings.

Every pen headed by a male of the richest blood lines. We know that we can furnish our customers with as good Partridge Rocks as any breeder in the world—and at very reasonable prices.

#### LIST OF MALES HEADING 1913 MATINGS

Cock—First, Cincinnati, 1913; First, Indianapolis, 1913.

Cockerel—First, Cincinnati, 1913.

Cockerel—First, Louisville, 1912.

Cock—Heading First Pen, Cincinnati, 1913.

Cock—Second at Cincinnati, 1913.

Cockerel—At Head of First Pen, Louisville, 1912.

Cockerel—Third, Indianapolis, 1913.

Cockerel—Heading Second Pen, Chicago, 1912.

Cockerel—Sired by First Madison Square Garden Male.

Cockerel—Full Brother to First Chicago Cockerel.

These males are mated to female winners at Chicago, Louisville, Indianapolis and Cincinnati.

We also have in our yards the wonderful pullet, Chicago Queen, winner of First at Chicago, Dec., 1912, and hen from First Madison Square Pen. Also that great breeding hen, Rose of Oaklyn, the greatest breeding hen in this country. We will sell a limited number of eggs from every pen. Orders for eggs should be booked early. Send for our free beautifully illustrated mating list.

Besuden Bros., C. A. Besuden, Prop., R. W. Sturtevant, Mgr., Box 359-B, Cincinnati, Ohio



or less at all times, and the hen cannot withstand mistreatment and wrong methods and be a good producer and keep it up unless she has vitality coursing through every vein of her body. More is required of the modern hen in proportion to her weight than any other class of farm animals. The destiny of the chick is largely determined before the egg is laid. Most of the lack of fertility and low hatching power of the egg and the weakness and high mortality among the chickens is due to lack of vigor in the parent stock. This very fact has brought about the failure of many poultry enterprises. You can

never produce a high laying strain, you can never get that rich, brilliant luster which you so much desire on the plumage of your show birds if those birds are out of condition or lacking in vitality.

In building up a laying strain, endeavor to get your males from a known strain of high producers. More depends upon the breeding of the male than upon the female. One of the main things to look for in your females is their vitality. A hen can never stand the strain of laying a large number of eggs unless she is strong and vigorous.

## Inter-Ocean Egg-Laying Contest

*By John G. Poorman*

**B**ELOW will be found the complete record in The Inter Ocean-Midlothian farms egg-laying contest from Jan. 1 to Jan. 31, inclusive. The prize for the month of January for the greatest number of eggs laid has to be divided, as there are two pens with an identical record of 82 eggs apiece. One of these pens is that of the Blue Bell farm of Glenview, Ill., No. 7 in the list, and the other is that of Jesse H. Powers of Chicago, No. 26. To each of these contestants is awarded a beautiful bronze medal, in addition to the magnificent drinking fountains. Closely pressing the winners, however, should be mentioned pen 13, with a total of 80 eggs, and pen 21, with a total of 79 eggs. Without a doubt

these and other pens will dispute the prize for superiority with the winners during the month of February. Rose Comb Red pullet No. 156, of pen No. 3, is the champion individual layer for the month of January, with 21 eggs to her credit. This bird belongs to Fred Siemsen of Tinley Park, Ill.

Pen 1—S. C. White Orpingtons...17  
Pen 2—S. C. Buff Orpingtons...55  
Pen 3—R. C. Rhode Island Reds...52  
Pen 4—Buff Rocks.....0  
Pen 5—S. C. White Orpingtons...0  
Pen 6—S. C. White Orpingtons...41  
Pen 7—S. C. White Leghorns...82  
Pen 8—Houdans .....9  
Pen 9—White Wyandottes...38  
Pen 10—S. C. White Leghorns...51  
Pen 11—Silver P. Wyandottes...16

Pen 12—S. C. Rhode Island Reds...72  
Pen 13—S. C. White Leghorns...80  
Pen 14—Barred Rocks .....42  
Pen 15—White Wyandottes...18  
Pen 16—Black Minorcas .....36  
Pen 17—Barred Rocks .....11  
Pen 18—Speckled Sussex .....19  
Pen 19—S. C. White Leghorns...48  
Pen 20—Houdans .....0  
Pen 21—S. C. White Leghorns...79  
Pen 22—Houdans .....0  
Pen 23—Blue Andalusians .....31  
Pen 24—S. C. White Leghorns...37  
Pen 25—S. C. Rhode Island Reds...4  
Pen 26—White Wyandottes .....82  
Pen 27—S. C. White Orpingtons...27  
Pen 28—S. C. White Orpingtons...22  
Pen 29—R. C. Rhode Island Reds...17  
Pen 30—Mottled Anconas .....66  
Pen 31—Buff Orpingtons .....35  
Pen 32—R. C. Rhode Island Reds...63  
Pen 33—White Rocks .....52  
Pen 34—White Rocks .....6  
Pen 35—White Wyandottes .....47  
Pen 36—S. C. White Leghorns...62  
Pen 37—S. C. White Leghorns .....61  
Pen 38—S. C. White Orpingtons...36  
Pen 39—S. C. White Leghorns...42  
Pen 40—S. C. White Orpingtons...63

The first month of the contest has been completed, with pen No. 7, White Leghorns, and pen No. 26, White Wyandottes, tied for the number of eggs produced during this period. Each pen laid eighty-two eggs, and duplicate prizes will be awarded to the owners.

The total of forty pens entered in the contest, coming from all parts of the country, have made as a whole a creditable showing for the first month. The change in conditions, feeding and new quarters are bound to retard egg

**DO YOU WANT BABY CHICKS? :::: SEE AD ON PAGE 541**

## CAMPINES

IMPROVED GOLDENS AND SILVERS—Yards headed by our great Crystal Palace Cock together with our big winnings at Cleveland under Drevenstedt in one of the strongest classes of the year, places our stud one of the foremost in America. Our first Silver Cockerel was pronounced by experts to be one of the greatest birds shown in this country, the first Golden pen was the sensation of the show. Ten ribbons on twelve entries. Get our egg prices, it may pay you to do so.

**GENSEMER BROS.**

**161 MAIN STREET**

**CRESTON, OHIO**

## WARD'S CHAMPION DARK CORNISH

During the past season at Allentown, Pa., Hagerstown, Md., Philadelphia, Pa., Trenton, N. J. and Chicago, Ill., I won more 1st and more 2nd prizes than all my competitors combined, showing against 268 birds exhibited by 40 other exhibitors, and at the final test, the Chicago Club Show, scored the highest number of points on males with only 3 entries. Send red stamp for mating list. It describes my wins in detail.

**JOHN W. WARD, JR.**

**BOX 7**

**PENNINGTON, N. J.**

## BARRY FARM WHITE LEGHORNS

WE ARE NOW BOOKING ORDERS FOR

## DAY-OLD CHICKS AND HATCHING EGGS

You can be sure of positive success with baby chicks from Barry Farm. We breed only from matured yearling and two-year-old hens. Our boxing methods insure safe delivery. Barry Farm White Leghorns are bred for heavy laying as well as for exhibition points. They are persistent layers, hence money-makers the year round. Write for circular.

**BARRY FARM : H. R. BARRY, Owner : Box 117, FAR HILLS, N. J.**



production. Taking this into consideration, some of the pens have made a remarkable showing, and during the past ten days great improvements have been made in others.

Of the 240 birds in contest about 50 per cent are laying, and 10 per cent of this number have started within the last ten days. There are some pullets not fully matured, and nearly all these show indications of laying in the next two weeks.

The health of the birds, with the exception of one pen, has been perfect. This pen developed chickenpox upon the sixth day after their arrival. Five have been replaced in the pen and the remaining bird is rapidly on the way to recovery and will complete the pen within the next week. If fowls retain their present good health, and there is no reason to anticipate otherwise, the number of eggs laid during February will come near showing a 50 per cent increase.

#### The Various Pens.

The following is a short description of each pen:

Pen No. 1—Single Comb White Leghorns. Went through a slight molt, and no eggs were forthcoming until Jan. 25, when three commenced laying. On Jan. 27 another started. These four birds laid seventeen eggs in seven days.

Pen No. 2—Single Comb Buff Orpingtons. Laid their first egg the second day, and have shown a gradual improvement throughout the month, laying sixteen eggs the last week.

Pen No. 3—Rose Comb Rhode Island Reds. Started laying on the first day. Only four birds are laying, and of the fifty-two eggs to their credit for the month seventeen were laid during the past week.

Pen No. 4—Buff Plymouth Rocks. Are not matured and have not laid an egg. From present indications two, probably three, will be laying within the next ten days.

Pen No. 5—White Orpingtons. Are not fully developed, and, like pen No. 4, show promise of laying soon.

Pen No. 6—Started laying the first day, and by Jan. 21 there were four laying. The other two are still to be heard from.

Pen No. 7—White Leghorns. Started well and continued throughout the month. This pen is tied with pen No. 26 for the largest number of eggs laid for the month.

Pen No. 8—Houdans. For some reason they are not laying as well as they should. The birds seem to be fully matured and will, no doubt, get down to business soon. One bird laid seven of the nine eggs credited to this pen and started laying them on Jan. 12. Four more still are to be heard from.

#### White Wyandottes Improve.

Pen No. 9—White Wyandottes. Started well, had a little slump, but have shown great improvement within the last ten days.

Pen No. 10—White Leghorns. With four laying, are doing favorably and show indications of becoming more consistent.

Pen No. 11—Silver Penciled Wyandottes. One bird started laying Jan. 10 and has laid thirteen eggs. Another started on Jan. 20. So far no others have followed suit. Another two weeks will be greatly beneficial to this pen.

Pen No. 12—Single Comb Rhode Island Reds. There are five birds laying in this pen; the fifth one started to lay



## How a Feed Mixer Will Pay for Itself

**A Feed Mixer is a REAL Economy on Any Poultry Plant, No Matter How Small. It Saves Time, Labor and Feed.**

Suppose you feed only ten quarts of mash a day. Do you know that's nearly 2 tons a year? Yes sir, 2 tons! Now you wouldn't mix 2 tons of feed by hand, if you had to do it in a day. Why, then, should you if you do it in 365 days? Your time is worth as much one day at another.

Let's say you spend an hour a day mixing feed. A mixer will do it better in half an hour. In a year, it will save you at least 200 hours. That's 20 working days. About \$40 worth of time, isn't it?

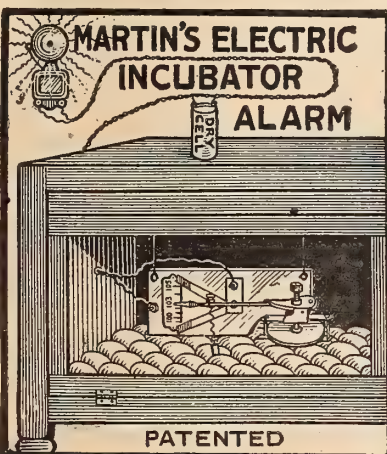
**NOW YOU SEE HOW A FEED MIXER IS A REAL ECONOMY**

### "AFTON FARM" FEED MIXERS

**FOR MIXING DRY FEED, WET MASH, SEEDS, FERTILIZER**

There are other advantages to a feed mixer. Your feeds are fresher and more palatable. They are smoothly and perfectly blended. They are more easily digested. This means that you need less feed, and that your stock is healthier. You can make up balanced rations and special feeds quickly and cheaply. You can mix seeds for sowing. You can make up your own fertilizers. The "Afton Farm" Mixer is used on hundreds of farms. It is always satisfactory. Simple, safe, thorough. Made in 15, 75 and 150-qt. sizes. Hand or power drive. Larger sizes made on order. Write for our free book, "The Secret of Master Feeders."

**Yardley Mfg. Co., Box D51, Yardley, Pennsylvania**



ment may be instantly set to ring the usually at about 100 for "cold" and 105 for "high" as

#### Four Years of Proof in an "Egg-Shell."

—1910—  
Iowa State College, Ames, Iowa. Prof. Wm. A. Lippencott, Poultryman.

"We have used your Alarm on a machine of standard make that for some reason had spoiled hatches for us three times in succession, and by using the Alarm we were able to bring to conclusion a very successful hatch. It informed us twice during the hatch that the temperature was too high."

—March 26, 1910. —1911—

C. E. Jaeger, Columbus, Ohio.  
"The four Alarms which I purchased from you were the means of saving my incubator and brooder house from being destroyed by fire, and I consider them the best investment I ever made in the poultry business."

—May 4, 1911. —1912—  
J. W. Parks, Altoona, Pa., Barred Rock Specialist and Proprietor Keystone Hatchery.

"I consider your Alarm a wonderful invention and have them guarding over 23,000 eggs for me at one time."—February 5, 1912. —1913—  
Mound Hill Poultry Farm, Seville, Ohio, S. D. Hall, Proprietor.

"The Electric Alarm purchased last season works perfectly. It saved 100 times its cost last season."—January 18, 1913.

We are helping others, why not you?

We make special Alarm Systems for Poultrymen having their incubators located outside of their residence, and also for Mammoth Incubators and Brooding Systems. Write for circulars, stating what you desire to equip.

**DON'T RISK** another hatch when it only costs \$2.25 to enable that incubator to call when it needs attention. Here is what Martin has been working for and you have been waiting for, so act today and make hatching a pleasure.

## MARTIN'S MODEL "D" AUTOMATIC ALARM

Was designed to meet the demand for a simple complete and inexpensive Incubator Danger Signal for those operating their machines in their residence and is perfectly adapted to these conditions. It may be instantly attached to any incubator and will last a lifetime. The little Alarm Attachment at any variation of temperature desired—shown above. The bell rings very strong and may be "cut off" upon reaching the incubator by a Special Automatic Plug, which also prevents it from ringing when the eggs are turned or cooled. Any dry battery operates it at least one season.

#### LIVES ARE AT STAKE.

Not only the lives of your chicks but the life of your business depends on the incubator. The success of every poultryman is measured by the number of chicks he can hatch and raise. It is absolutely impossible to secure large hatches of strong livable chicks when the temperature is allowed to run to abnormal extremes. You can insure the lives of your chicks and yourself against loss and worry by equipping your incubator with this safety device.

#### PRICES AND TRIAL OFFER

The price of an Alarm Outfit complete with an Alarm Attachment, electric bell, 12ft. insulated wire and instructions is only \$2.25. Alarm Attachment without bell and wire, \$1.75. Mail us your order at once and we will send your Alarm by return mail postpaid. Use it through 2 hatches and if not satisfied return and we'll refund your money. Address

**MARTIN MFG. CO., Ltd., BOX 24-A, BROADWAY, VIRGINIA**



# S.C. Black and White Minorcas

Bred for quality in all branches; size, shape, color and laying. Have bred Minorcas for the past 23 years; have won whenever shown. Some young stock for sale.

G. B. Smith & Son    :-    Box 454, North Baltimore, Ohio

## SUNNY SLOPE ANCONA FARMS

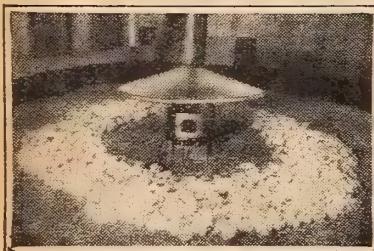
THE ACME OF PERFECTION

First at the leading shows in the world—London, England, Cleveland, Toledo, Allentown. We have some of the greatest birds in America in our yards this season, and will have thirty breeding pens mated up with nothing but tested yearling females, acknowledged the very highest type for ideal stock to be raised from. Booking orders for baby chicks and hatching eggs. Illustrated catalog free.

J. O. SOMERS    :-    R. F. D. 2    :-    BEDFORD, OHIO

## Petaluma Brooder Stove

WITH UTOMTIC OIL REGULATOR



Night Scene

By its use more and better chicks are raised with one-half the labor. No crowding; no chilling; no overheating. Write for free catalogue, which gives full particulars about this wonderful method of brooding.

**We Pay The Freight**

PETALUMA BROODER STOVE WORKS  
PETALUMA : : CALIFORNIA



A Sure Guide  
To  
Poultry Success

## Uncle Sam Poultry Book and SURE HATCH INCUBATOR

will start you out just right in the chicken business. Lots of people would go into the business if they knew how to handle it. Government operators have investigated all departments of poultry culture and sent out the results. We have combined and condensed these reports into the best book ever published on the subject and are selling it at 20 cents, and by our plan you can get 50 cents back. Send us two dimes or ten two-cent stamps. This book tells you all about how to handle the business successfully and gives you inside information that you can't get elsewhere. It also tells you that you should use an incubator for hatching and how a good one should be made. The

### SURE HATCH INCUBATOR

is made just as Uncle Sam says a good one ought to be made and that should be of interest to you when buying a machine. The chicks hatched from eggs other machines spoil will soon pay for your machine. With our sixteen years' experience in building and improving the Sure Hatch, and right up to date with the latest and best in the incubator construction you cannot possibly go wrong in getting a Sure Hatch. No thin iron, paste board or knotty lumber used in the Sure Hatch. No. 1 clear California redwood goes into all our machines. Best lumber in the world for incubators. The pure lake copper

### HOT WATER HEATING SYSTEM

s the best that can be devised. Expert heating engineers tell us that hot water heat is superior to any other. Then we have a first class regulator on the side of the machine—not on the top where it is in the way and liable to get damaged. Regulator has perfect control of the heat. Large egg chamber, roomy nursery with tray for removing chicks. Box has three walls and double air space. Extra heavy insulation in top. Double doors, one of them glass. Can't tell everything here but you can learn all about this machine by sending for our big free book. Send today and get your machine to going as soon as possible and get your products into the early high priced markets. Freight paid and a five-year guarantee.

## SURE HATCH INCUBATOR CO.

BOX 5    :-    FREMONT, NEBRASKA

on Jan. 28. They have made a good record for this month and have greatly improved during the last week.

Pen No. 13—Single Comb White Leghorns. Lacked two eggs of being tied with the winners, laying eighty eggs.

Pen No. 14—Barred Plymouth Rocks. Have slowed up considerably during the past week. As the birds are very active, it is not considered this slump will be of long duration.

Pen No. 15—White Wyandottes. Have shown improvement for the last week and should continue to improve right along.

Pen No. 16—Black Minorcas. Have also shown great improvement in the last week.

Pen No. 17—Barred Plymouth Rocks. Has only one pullet laying with a total of eleven eggs. The others should all be laying within the next month.

Pen No. 18—Speckled Sussex. Has two laying; one laying fourteen eggs and the other beginning Jan. 25 and laying four eggs. There is every reason to believe the balance of this pen will be heard from during February.

### White Leghorns Regain.

Pen No. 19—Single Comb White Leghorns. Started well; had a slump during the middle of the month and have regained greatly within the last week.

Pen No. 20—Houdans. Have not laid an egg. There is reason to believe that they have reached the laying age.

Pen No. 21—White Leghorns. Well up with the winners, with a total of seventy-nine eggs. All six birds are laying.

Pen No. 22—Houdans. This pen of Houdans seems to be in about the same condition as pen No. 20.

Pen No. 23—Blue Andalusians. With four birds laying, the fourth one starting on Jan. 28, this pen has done tolerably well.

Pen No. 24—White Leghorns. There are five birds laying in this pen, but, with the exception of one, are not performing consistently.

Pen No. 25—Single Comb Rhode Island Reds. Up to Jan. 26 had not laid an egg. Jan. 27 the first one started. Jan. 29 the second one followed. This pen has to its credit four eggs. Like the other pens that have laid a few eggs, the pullets are a little immature.

Pen No. 26—White Wyandottes. Is tied with pen No. 7, Single Comb White Leghorns, for leading honors for the first month of contest.

Pen No. 27—White Orpingtons. Only three birds laying. The first started on Jan. 9, one on the 11th and one on the 12th. Two are laying consistently, while the other is laying at four and five day intervals.

### Orpingtons Show Improvement.

Pen No. 28—White Orpingtons. Has two laying, with ten eggs to their credit for the last week; that shows great improvement.

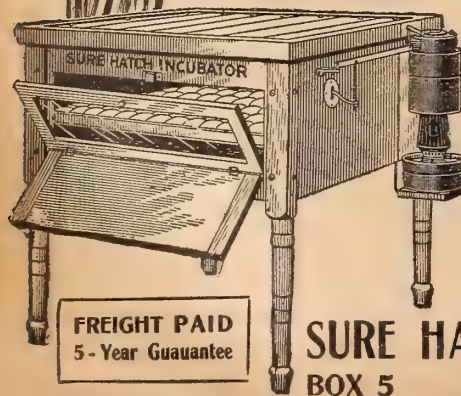
Pen No. 29—R. C. Rhode Island Reds. This pen started out quite promising; has had a slump the latter part of the month.

Pen No. 30.—Mottled Anconas. Are coming along nicely. Have made quite an improvement within the last week.

Pen No. 31—Buff Orpingtons. Are generally increasing right along.

Pen No. 32—Rose Comb Rhode Island Reds. Have started fairly well and have shown gradual improvement. Within the last week they have laid nineteen eggs.

Pen No. 33—White Plymouth Rocks.



FREIGHT PAID  
5-Year Guarantee



Are doing fairly well, with a record of fifty-two eggs.

Pen No. 34—Laid the six eggs to their credit in the first six days and then developed chicken-pox. These birds were removed from the contest quarters and, as reported, five have fully recovered and the sixth one is well on the way.

Pen No. 35—Have not been laying consistently for this month, and for the past week the egg yield has fallen off considerably. They will probably be laying well very shortly.

Pen No. 36—White Leghorns. Have laid consistently throughout the month.

Pen No. 37—Single Comb White Leghorns. Have also performed quite well.

Pen No. 38—White Orpingtons. Have been slow in starting and up to the present time but three have laid. Their total is thirty-six eggs.

Pen No. 39—White Leghorns. Were very slow starting, having laid but four eggs to Jan. 10. They have shown a great improvement within the last ten days.

Pen No. 40—White Orpingtons. Are laying consistently throughout.

Based upon indications of the last ten days, fully 75 per cent of the pens are showing improvement. While the records of January will bear upon the final results, it is entirely too early to form any opinions of the merits of any of the contesting pens.

lie patronage is equal to others in order that you may realize "value received" for your product. With these preliminary remarks I desire to present the claims of the Sicilian Buttercups.

The fact that in no other possible manner can so quick and large profits be made in poultry culture as by taking up some promising new breed which is just coming into popularity, and getting a start with some of the best stock a little in advance of the public demand which is sure to follow, leads many an alert fancier to study carefully the new candidates which are continually coming up for public approval. And therefore I think that no excuse is needed for presenting the claims of the modest little Buttercup.

Although in one sense Buttercups are not a new variety, having been bred in this country for some fifty years, they are new to most poultrymen, little having been said about them in the poultry press, except vague rumors about their wonderful egg-laying qualities. But it is safe to say that when they were finally brought to public notice, no other breed ever introduced in this country gave such universal and unconditional satisfaction and gained friends with every one who made their acquaintance to the extent that the Buttercups have done and are still doing.

I will now briefly state the reasons for the faith that is in me for believing that they will for a long time continue to gain and hold popular favor:

1. They have an individuality of their own. They are unique, distinctive and beautiful, as well as novel and useful. The formation of the Buttercup comb being entirely different from any other breed or variety, places them in a class by themselves.

2. In type and purpose they are distinctively an egg-laying breed, it being the universal and unanimous testimony of all who are acquainted with them that they will produce more large white eggs in exchange for a less quantity of food than any other known breed or variety.

3. No other egg-laying breed are so gentle and domestic in their disposi-

## The Sicilian Buttercup Fowl

*By Isaac P. Tillinghast, Factoryville, Pa.*

THE selection of a breed is perhaps as important a problem as can be given to the novice who has decided to join the ranks of the already great army of poultry fanciers, and for the benefit of the many who may just now be considering this question, I beg to present the claims of one of the newer candidates for popular favor, the Sicilian Buttercup.

Most people who embark in the "chicken business" at all, have two general purposes in view, viz., pleasure and profit, and my observation is that he who does not find pleasure in it will seldom see any profit; and I am just as certain that he who does not succeed in deriving a satisfactory profit, will not find a very lasting pleasure; so in most instances it requires this double incentive to hold one very long in the ranks. But I think that far more are lured into the game through the hope of pecuniary reward than go into it for their health or pleasure.

Granted that the real legitimate aim in keeping poultry usually is, or at least should be, the production of eggs for market as a staple article of food, and that most breeds are judged, or at least should be, by their ability to make good

on this count, does it necessarily follow that this is the most pleasurable and profitable line to pursue? I think not, for I can point to breeders by the score who are taking in dollars through the production of eggs for hatching and stock for breeding purposes against dimes, should they only receive market prices for the same products.

So the question comes up: "How can I get in position to command and receive fancy prices?" On the old and well known breeds certainly not "everybody's doing it," but only the few old veterans who have gained a national reputation on their specialty, through long years of extensive and costly advertising and showing. You may now get and breed just as good stock of Plymouth Rocks, Wyandottes or R. I. Reds as can be found, and gain your share of the blue ribbons at your poultry show, but when your neighbors want some new blood you must sell your best cockerels for a dollar each or kill them, for if they decide to pay anything extra they are sure to send their money away to some old timer in that line.

This explains why it is best, in fact imperatively necessary to take up something new in which your claim for pub-

**THE MOST POPULAR FOWL today is U. R. Fishel's White Ply. Rocks**



## ORPINGTONS!

STOP! Do you know that our customers LAST year won at such shows as Seattle, Los Angeles, Kansas City, Chicago, Little Rock, Indianapolis, Memphis, Cincinnati, Pittsburgh, Boston. They met the giants of the poultry world and on equal terms,



winning their share. If YOU want to win NEXT season the time to think of it is NOW. Our eggs are hatching better than 90% now, or we will sell you grand breeding stock and you can produce your own eggs, or we will supply you with day old chicks or ONE POUND chicks of the highest exhibition grade, and the price will be far lower than any one else is offering similar quality. YOU CAN AFFORD our prices. Send 10c today for our catalog. (New one has one colored plate and many photos not retouched) and Orpington Magazine 1 yr. Write TODAY!

**CHEVIOT FARMS :: ROUTE 2 :: CINCINNATI, OHIO**



tion, being entirely free from the nervous, wild nature, characteristic of the Leghorn class.

As above stated, the Buttercups are not a new variety of mongrel origin, made up by simply crossing other old breeds, but have been bred in this country for many years and held their own solely on account of actual utility merit; but not being in the hands of fanciers and having no standard, different breeders have followed their own individual fanciers in regard to coloring, so there is quite a variation in the different stocks, but in March last, the American Buttercup Club was formed, and a Club Standard formulated by a committee of the oldest and

best posted breeders, so that we now have an ideal to work to, and this is now leading fanciers to take them up so extensively that the Buttercup Club already has about 200 active members, in fact a more enthusiastic and optimistic set never before got together in the interests of any new breed.

By the accepted standard, the plumage of the stock of the cock bird will be dark red with black tail feathers and wing flights; shanks dark willow green, and with comb cup-shaped with numerous points, which stand in a circle surrounding the crown, like the petals of a flower from which characteristic its name was given.

The female is described as having

neck hackle of golden buff; back lighter buff, mottled with black, distinct spangles being preferred to clouded shading, lacing, or mixed colors; breast lighter shade of buff, plain color, although some of the handsomest stock in this country has black spangles running well into the breast. Ear lobes should be mixed red and white in color.

Good Buttercup stock is still extremely scarce and no doubt all who breed them will have lively sales for years to come. In fact just now the words "Buttercup," and "Opportunity," seem to be quite synonymous.

HARVEY'S *Smokeless*  
FIRELESS BROODER



## FIRELESS BROODING OF CHICKS

Have you read our new book "The Fireless Brooding of Little Chicks?" If not send for a copy at once, or better yet, order your fireless brooders now and a copy will be sent you. Throw away your old expensive, troublesome, chick killing lamp brooders, that menace your property with fire, and buy fireless brooders from a man who makes a business of raising chicks, hundreds of them every year. No Smoke—No Smell—No Fire—No Danger—No Trouble—No Expense, guaranteed to raise the chicks. Freight paid east of Rockies. One for \$5.00, 4 for \$18.00.

HARVEY BROS.

NOTE—If you are looking for quality in White Leghorns, Single Comb, at reasonable prices, good as the best, send us \$1.50 for 15 eggs, all charges paid.

JOHNSTOWN, PA

# 20th Century Dual Purpose Fowl

MONMOUTH S. C. BUFF AND WHITE LEGHORNS. We have perfected in our strain the long sought for result, exhibition and utility combined. Champions of the South, practically sweeping the decks in both varieties at Atlanta, Ga., December, 1912, also winning 1st pen Madison Square, New York, 1912-13, for the 5th year in succession in Buff Leghorns our only entry, places the MONMOUTH STRAIN in a class by itself. Our Buffs and Whites are producing wonderful results on many egg farms the country over, and reports from Argentine Republic and other foreign countries, who breed the MONMOUTH STRAIN, are most flattering, which substantiates our claim that we have perfected in our strain the DUAL FOWL. Why hesitate and experiment when a tried and true article is within your reach? Join the ranks of Monmouth Customers and tread the path of success. Years of experience are back of our matings this season. They are not problematical but assured facts. Our past records speak emphatically for our ability in this line. Send for our beautiful 1913 Catalog and Mating List which gives full description and prices of our matings and stock. Always address,

MONMOUTH FARMS J. C. Punderford, Owner FRENEAU, MON. CO., N. J.  
Thomas Lockwood, Supt.

# Poultrymen Have Confidence In The Globe Incubator---

because all the value---all the invested money is put into the machine itself. We put all the money in the machine. We have never made a statement that was unsound or shaky. Everything we say about the "Globe" is truth---positive fact backed up by seventeen years of a wonderful success. Don't be misled by those low priced machines. You know it takes a great deal of yelling to sell anything that's below standard. We have never had to advertise in that way in our life. The Globe's reputation sells it. It is a standard machine---one that you can depend on.

Thousands and thousands of both men and women have been "stung" by purchasing a machine that looks nice in the picture because the man selling it shows a nice big photograph of himself. It is interesting to note that every user of the "Globe" (and then there are thousands and thousands) is today making money just as fast and practical as it is possible to do in the poultry business. And the best proof that our Incubator principles are scientifically correct is the fact that we make Infant Incubators for physicians. Read our large 1913 Poultry and Incubator Catalogue and see what we have to say about our Infant Incubators. This big book has hundreds of testimonials. This is a mass of evidence---solid facts that are the best guide you can obtain. We want you to read them over. See how enthusiastic these people are about the Globe Incubators. Let them tell you in their own words how successful their poultry business has been since they used the Globe Incubator and Brooders. See below for further information about this catalog. Here's a few further words about these wonderful machines and what they are made of.



Send your order at once. Don't miss this remarkable opportunity. And remember when you buy the Globe Machine you are getting real value.

## Poultry and Incubator Book

Send us 15 cents for our big complete book on Poultry, Incubators, Brooders, Poultry supplies. We will save you many dollars. It has more real information than a whole library of Poultry books. It shows everything that is required to make a poultry farm a success.

C. C. Shoemaker, Box 605, Freeport, Illinois

## The Standard 200-Egg Globe, \$18.00

This is without doubt the most carefully built incubator made. It is made of specially selected lumber---each piece picked. Has a most superior hot water heating system and this system is exclusive in the Globe. The pipes that carry the hot water through the egg chamber are made of regular gas steel tubing so that they are absolutely airtight and water-tight. Insulation is the most thorough ever found in any machine. Regulation system is controlled by what is known as the Compound Double Hydro Wafer. Tanks, trays, lamps, etc., are of the finest model and best material obtainable. Can be run with kerosene, any kind of gas or electricity. And all this most perfect construction makes it possible for you to get those high percentage hatches for which the Globe is famous all over the country. This is the incubator that will make you money. This is the incubator that has the real value behind it and not a pretty photograph of somebody.

**200-Chick Globe Brooders \$11.75** After you have your little chicks all peeping about looking like good money, don't chance them to some brass band brooder. Get them in the Globe and you're pretty sure of cashing in at a profit every single time.

This 200-Chick Globe Brooder has all the basic principles that has made the Globe famous. Has the over-head system of hot water pipes, contains two compartments---one for feeding---one for nursery. Ample light and ventilation. The most efficient lamp on the market. Will never rust. The whole brooder is made to stand the racket.

**For 30 Days Only Combination Price \$23.50** If you buy within the next 30 days you can get one of these perfect 200-egg size incubators and one 200-chick brooder, only \$23.50





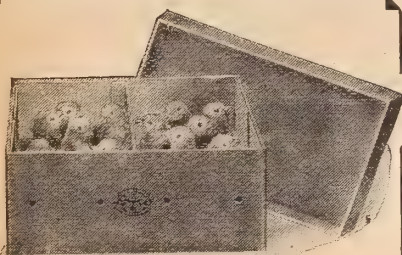
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## SARGENT FRESH-AIR POULTRY HOUSE

Is practical for you. Capacity, 50 breeders. Plans and building instructions. Price 50 cents.

**JOHN M. SARGENT**  
110 Bloomer Ave., Elmira, N. Y.



## Day-Old Chick Shipsafes

The safest and strongest corrugated box ever devised for shipping day-old chicks. Perfect ventilation, no crowding. Light weight. Low charges. Used all over the country by shippers of day-old chicks.

25 Chick Size.....	per dozen, \$1.25
50 Chick Size.....	1.75
100 Chick Size.....	2.90

### Shipping Fancy Eggs

The three-piece Appco Shipsafe is used by thousands of poultry fanciers. As eggs are gathered they are put into the box. Some turn these boxes daily. When full is ready to ship without further handling.

15 Egg Size.....	per dozen, \$1.20
30 Egg Size.....	1.90
50 Egg Size.....	2.50
100 Egg Size.....	4.00

**SPECIAL OFFER—10 doz. 15 Egg Size, \$10.**

### The Appco Paper Hen and Brooder

"A Fireless Brooder With Everything But the Cluck." Waterproofed corrugated fiber. Felt lining of cover suspended in strips gives the motherly feeling to chicks. Yard and house accommodates fifty or more chicks.

**Complete, Ready For Use, \$2.00**

Get Our "Bulletin." IT'S FREE.

## PARCELS POST EGG SHIPSAFES



A new box weighing 12 ounces, to hold one dozen eggs. Price per 1,000, \$60.00  
Two dozen size, weighing 18½ ounces.  
Price per 1,000..... 75.00  
No Less Than 1,000 of a Size Sold.

The Appco Shipsafe is accepted by all the Common Carriers and Postal Dept.

Write for "Poultry Bulletin."

**AMERICAN PAPER PRODUCTS CO.,**  
205 Bremen Ave., St. Louis, Mo.

## A DAY WITH PARTRIDGE ROCKS.

It was a bright, crisp winter morning when the Big Four passenger from Indianapolis pulled into North Manchester, and I alighted on the station platform. My thoughts filled with keen anticipation of the day I was to spend with Mr. S. A. Noltzger, the originator of Partridge Plymouth Rock fowl, looking over his forty grand matings and five hundred head of surplus birds.

Mr. Noltzger was not expecting me, for I wanted to drop in upon him unannounced to see his birds, matings, houses, etc., just as they are in every day life, when visitors are not expected.

Walking up the beautiful Main street of that pretty little city, I quickly arrived at the Hardware building of Noltzger & Co., in the rear of which Mr. Noltzger has his poultry farm office. Here I found Mr. Noltzger, together with his associate, Mr. Russell F. Palmer, hard at work, while the force of stenographers were playing tattoo upon the keys of their typewriters. I could not help viewing the scene for a full minute

paper advertising and journalistic work I had heard much of Mr. Noltzger and his Partridge Plymouth Rocks. I had met the man personally, had often looked over his birds in the show room and naturally had come to the conclusion that he was the genuine fountain head of the quality Partridge Rocks in this country. If that was my feeling before my visit to North Manchester, and it was, I am unable to find the correct words to express my opinion of Mr. Noltzger, his Partridge Plymouth Rocks and all those connected with his business since my visit there.

I supposed, of course, that the twenty to twenty-five birds, shown by Mr. Noltzger at the last Chicago show, embodied the greater portion of his strictly high class exhibition birds. In this I find I was mistaken, for upon his farm, among his sales stock, throughout his mated pens, I found bird after bird the quality of his Chicago winners, and many that I feel sure are superior to those winners. This was explained to me by Mr. Noltzger, who stated that he seldom ever, if ever, exhibited the same bird twice. I found there, in addition



F. S. Smith, Hamilton, Ohio, the big Single Comb Buff Leghorn breeder.

before making known my presence. A regular busy beehive.

As I stood there I could not help but allow my mind to drift off into one of those hazy, dreamy dreams. It seemed almost impossible that this man Noltzger could have originated a new variety of the grand old Plymouth Rock breed, which had gained the confidence of the general public so rapidly that it today took this finely equipped office and this machine-like office force to handle the correspondence and business, built up in so short a time by this one man. The much used Sherlock Holmes wonderful does not begin to express it.

Of course, Mr. Noltzger and his associates, which of course includes his son Clay, were glad to see me; that is, they said they were, and as I noticed a little card hanging on the office wall which stated "We are busy, but never too busy to talk with a man who is as busy as we are," I had to believe what they said, especially by the way they took hold of the situation and made me feel at home right from the start.

The day passed all too quickly and it certainly was an interesting and instructive day to me. Long before I took up poultry

to his Chicago winners, his 1st prize winning pen at the Madison Square Garden, New York City Show last winter, besides his winning cocks, hens and pullets at the same show. In addition there was a grand bunch of 1st, 2nd and 3rd prize winners at such shows as Chicago, Kansas City, Topeka and Indianapolis, during the years of 1909, 1910 and 1911. None of these great winners were used by Mr. Noltzger in his wonderful exhibit at Chicago this winter.

Then there was hundreds of high class cockerels and pullets, scores of which closely approached, if not excelled, his winning cockerels and pullets at Chicago.

The 1st prize cockerel at Chicago this winter, of course, is in a class by himself. Mr. Noltzger, with great pride, picked up the bird as though he was a pet kitten and handed him to me to look over, and as he did so he said: "There, Mr. Coburn, is the greatest Partridge Plymouth Rock, male or female, ever produced on this earth." He is so much better than I ever expected to see at this time that it is almost unbelievable. After handling the bird I could not help but agree with Mr. Noltzger. He truly has all the qualities that goes to make up an extra



fancy specimen. He is one of those kind of birds that is good in every way. He has a great finish and style about him that makes him unusually attractive. He is almost a model in shape in every section, including station and head points, while his style, color and striping can scarcely be criticized.

This season Mr. Nofztger is breeding from six full brothers of this great cockerel, which he has named "Champion." These brothers are from two to four weeks younger than Champion, but their combs, shape, style and finish is such that any novice could readily tell that they were all full brothers.

Mr. Nofztger's claim that his poorest matings among his forty breeding yards are equal and in most cases superior to most breeders' best pens is justified by a close inspection of the forty yards. I found Mr. Nofztger a great believer in plenty of dry scratch litter, placed in each building often, and when a real cold day comes, whether litter was needed or not, a few bundles of unthreshed wheat was always placed before the birds. This kept them busy, placed their blood in circulation and prevented the freezing of combs.

A portion of Mr. Nofztger's farm, which lies at the very edge of the city limits, is covered with a thick mat of blue grass sod and shaded with over twelve hundred cherry and plum trees. Scattered through these is a number of colony breeding houses, a photograph of which is shown elsewhere in this issue. These houses are all open front and each contains a healthy, hardy mating, without a frozen comb in the bunch, which are shelling out eggs like regular egg machines every day this winter.

We looked over the photographs of the three different sets of Partridge Rock females, furnished by Mr. Nofztger to the National Poultry Association for their egg laying contests of 1910, 1911 and 1912. The 1910 contest was won by Mr. Nofztger's birds with an average for the six females of

221 eggs each for the year. The 1911 contest was won by his birds with an average of 232 eggs each for the year. The 1912 contest winners has not yet been announced, but a few weeks ago Mr. Nofztger's pen was only six eggs behind the leading pen for the year, which certainly goes to show the utility values of Nofztger's World's Best Partridge Plymouth Rocks.

Mr. Nofztger has issued a special bargain sales list, quoting special prices on cocks, hens, cockerels, pullets, trios and breeding pens, which he will gladly send to those interested. His catalog, fully describing his forty breeding yards, was being completed by the printers on the day of my visit. This, too, he will gladly send free to those requesting same.—H. H. Coburn.

### THE DUNROBIN FARM.

At Red Bank, N. J., and in the midst of America's greatest poultry center, Mr. A. B. Dalby has built his plant known as the Dunrobin Farm, one of the largest, best and most complete that we have seen. The country in this section is very beautiful. The climate temperate and early, the soil soft and general conditions all that could be desired for high class poultry breeding and raising.

Mr. Dalby is an enthusiastic fancier and breeder who has made his way and placed his line a prominent winner at many of our best shows for some years, and particularly 1907 to the present day. His office displays the trophies won, and the walls are literally covered with prize ribbons handsomely framed. The silver cups, medals, etc., are displayed in specially made cases. Line records are strictly kept, and it is with pardonable pride Mr. Dalby points to his line records as shown.

From the office a good and general view of the plant is had. The great breeding houses reach to the right and left, with the incubator cellar and large brooding house in the rear. The breeding houses are of the open front type and are covered with asbestos, sides and roof, making them positively tight to the north and sides and fireproof. The incubator cellar is built of hollow tile, as is also the brooder house, with an exhibition and stock room above. A large incubator is used, with 10,400 egg capacity. The brooder house is 30x105 feet, equipped on one side with International Hovers for the chicks when first hatched. The other side has the overhead pipe system where the chicks are kept until they are moved to the colony houses out on free range. This great house has a capacity of 7,000 chicks, has high ceilings, is well lighted and perfectly ventilated.

The breeding houses are built in approved style, with pens large, well lighted and kept clean. Each pen has large runways, well shaded. The general arrangement on this plant appealed strongly to us. Cleanliness is the rule at Dunrobin.

Here are bred in their highest state of perfection S. C. Buff and White Orpingtons, S. C. Buff and White Leghorns, Buff Orpington Ducks and White China Geese. Their original stock in Orpingtons was imported by Mr. Dalby and their Leghorns from the best lines in this country.

Here we seen handled and inspected the entire flock of birds. In Buff Orpingtons, also in Whites, we were delighted. We seen several pens mated of superior quality. The Buff color was very sound and the White very clean. Type was a feature in all these Orpingtons, closely followed by extra fine size and most excellent condition. This line well deserves the handsome records they have made for their

# Bean's Columbian Rocks

Sensational Winners at the Club's Annual Exhibit, Phila., Dec., 1912

Winning in a large and strong class every first prize offered, and a majority of all. They also won the special for best display in the American class. Their winnings last year formed the best record ever made on any variety, and they promise to surpass everything, for they are better than ever. Their practical worth as layers has again been demonstrated to our satisfaction. They are result producers. Special: I am offering special mated pens of five (5) birds, bred from my best matings, at \$23.50. Larger lots at same reduced prices. Start now with Beans Columbian Rocks and be satisfied. Circulars free.

F. G. BEAN -- BOX A -- COLLEGEVILLE, PA.

# Barred Plymouth Rocks

**WINNERS** last fall and winter at Chicago, Memphis, Indianapolis, Louisville and Shelbyville. 1st Pen, 1st Pullet, 2nd Cock, 3rd Cockerel, 3rd Cock, 3rd Pullet, Indiana State Fair, Indianapolis, Sept., 1912. 1st Cockerel, 3rd Pullet, 5th Cockerel, 5th Pen, Tri-State Fair, Memphis, Tenn., Sept., 1912. 1st Cockerel, 1st Hen, 2nd Pullet, 2nd Cock, Shelbyville Fair, Shelbyville, Ky., Sep., 1912. Armory Show, Louisville, Ky., Dec., 1912. 3 first, 2 second, 4 third, 1 fourth, 2 fifth premiums, special for best shaped female. Silver cup for best Barred Plymouth Rocks. 1st Cockerel, 3rd Pullet, 3rd Cock, 4th Cockerel, 4th Hen, 4th Pullet, 5th Hen, 5th Pullet. Blue ribbon for best display. Cash prize for best Barred Plymouth Rocks. Kentucky State Fair, Sept., 1911. 1st Cockerel, 1st Hen, 1st Pen, 2nd Pullet, 3rd Cock, 4th Hen, 4th Cockerel, 4th Pullet. Cash prize for best Pen, Louisville Poultry Show, Jan, 1911.

## Fourth Pullet Bred Cockerel, Chicago, Ill., Dec., 1912

Eggs \$3.00 per 15      Eggs \$7.50 per 50  
Eggs \$5.50 per 30      Eggs \$15.00 per 100  
Prize Matings \$4.00 per 15 Straight

**TWENTY** Grand Pens for 1913. No utility matings. Twenty selected pens, containing our winning birds at the big Shows and State Fairs at which we have exhibited.

**SEND** us your order for what eggs you need. We are specialists in Barred Rocks, have bred them in line for 22 years and have been consistent winners, at the great Central and Mid-West Shows.

**RAISE** your breeders and prize winners from "Pope Strains." They are the height of perfection in the new type, the correct type, the Pope type of clear black and white barring. No other breeder can give you the quality that we can, and we ask all those expecting to purchase Barred Rock eggs to send for our 40-page Catalogue and Mating List. You will make a great mistake if you place order before getting our literature. Send for Catalogue No. 3

POPE & POPE,

Box A

Louisville, Kentucky

1st Pullet, Indiana State Fair, Sept., 1912





# COLUMBIAN WYANDOTTES

BEAUTIFUL—PROFITABLE—GREAT WINTER LAYERS—Prizes at leading shows. At Baltimore, 1913, on seven entries, won seven prizes and three specials. Stock and eggs for sale. State what you want. Circular free. Please mention American Poultry Journal when writing.

H. H. Hewitt, Box 427, Wililamsburg, Pennsylvania

EGGS FOR HATCHING ————— EGGS FOR HATCHING  
AND CLOVERNOOK'S

## WHITE HOLLAND TURKEYS

White African Guineas, White Japanese Silksis and Wissahickon White Wyandottes—Great birds, great layers, great hatchers. Great bargains in non-related stock. Choice Pekin Ducks. Write for prices. Also fine Strawberry plants, "The Clovernook Beauty." Mention American Poultry Journal.

Miss Frances E. Wheeler : : Chazy, New York



SEND NOW FOR OUR MATING LIST

### We Tell You Fully How

We have mated to produce that dark, rich, up-to-the-minute color you must have to win, also how we breed our great layers in our special utility yards. Crowther's Reds again win in America's great shows, five firsts, two seconds, one third, two fourths, five fifths, both color and shape on male and female at Chicago—S. C. Reds.

Ira M. Crowther Box "A" Willoughby, Ohio

## BLACK LANGSHANS & INDIAN RUNNER DUCKS

Brookfield Farm birds are Maryland's beauty and quality strain. They have been winning regularly at Baltimore, Allentown, Hanover, Hagerstown, etc., and have proven their worth as well for practical purposes.

**Black Langshans**—Have won first cockerel at Hagerstown two years. My 1912 champion was pronounced one of the best ever shown. Shape, size and sound color are features. For all purposes there is no better bird bred. They are hardy and great layers. Eggs from my best pens \$5 per 15—Utility \$2 per 15.

**Indian Runner Ducks**—Have made a sweeping record with these in the best of classes. My drake "Edward" has an unbeaten record at six great shows. Let me know your wants in either of above for exhibition or choice breeding quality. Pairs, trios and pens properly mated. Eggs from my best pens \$5 per 11. Utility \$2. Selected breeding cockerels a specialty. Satisfaction assured. Prices right. Mention American Poultry Journal when writing. Address

Mrs. F. Littlefield, Box A, Middleburg, Maryland



## DAY-OLD CHICKS

FIFTEEN VARIETIES  
FOR SPRING 1913...

Incubator Capacity, Half Million Eggs Per Season

3,000 S. C. White Leghorn and 2,000 Barred Rock chicks per week, also Brown and Buff Leghorns, R. C. White Leghorns, S. C. Black Minorcas, White, Black and Buff Orpingtons, White and Columbian Wyandottes, S. C. and R. C. Rhode Island Reds and White Rocks. Utility and fancy stock from 9 cents to 50 cents each. Broiler chicks, \$80.00 per thousand. Outsiders of the largest experience have pronounced our plant the best and most scientifically equipped of any in the country. Our chicks are stronger than hen hatched, withstand shipment and live. 5,000 pure bred hens kept under ideal conditions, lay eggs for this immense plant. If you are looking for quality and vigor, send for our free catalogue and price list.

THE CO-OPERATIVE BREEDING & HATCHING CO. : BOX A, TIRO, OHIO

quality is evident and most substantial.

In both Buff and White Leghorns we were well surprised with the fine class of birds seen on this farm. The Buffs were of extra size and particularly clean in sound Buff color. The males of splendid size, well carried and full tails, nice long and clean backs and extra good heads. The females came right up to the male standard and all birds in very fine condition.

The White Leghorns were wonders in color, positively white, long clean bodies and long well-spread tails. Going from pen to pen it was the same condition in all. Here the same as in the Orpingtons many famous winning birds were seen and pointed out to us. Birds with records with their own line, which they are carefully bringing to a very high state of perfection. Mr. Dalby is a man of detail, nothing escapes him, and it is his persistency that makes his success.

Buff Orpington Ducks are one of Mr. Dalby's favorites, he being one of the first to breed them, and we can well say without fear of contradiction that he has the "World's Best," and has won more prizes than any other breeder has. There is much to admire in the Buff Orpington Ducks, their size, with most excellent laying qualities. They are very hardy, mature early and grow very fast, making them most desirable for any purpose, with attractive color and shape.

Mr. Dalby has made it a point to exhibit his birds yearly at the largest and best shows. His show records have been made at M. S. Garden, N. Y., Philadelphia, Palace, N. Y., Baltimore, Allentown, Easton, Morristown, Red Bank, etc., etc. His late winnings as we have them are: At Grand Central Palace, N. Y., Dec., 1912. Buff Orpingtons, third, cock; first, pullet; third, pullet, and fifth, pen. First cockerel won cup for best Orpington shown. White: Third and fourth, cocks; first and fourth, hens; first, cockerel; first, second and third, pullets. Buff Orpington Ducks, all four first prizes in old and young. At Baltimore, Md., 1913: White Orpingtons: First, cockerel; fourth and sixth, pullet; sixth, cock; fifth, hen, and second pen. Buffs: Third, cockerel; second pullet; third, hen; fifth, cock; third, pen. One of the largest classes ever seen. On three entries in S. C. White Leghorns in a class of 276 birds, 14 pens, he won second and fourth, hens; third, pen. On three entries in S. C. Buff Leghorns, second, hen; second, pullet; first, pen. On Buff Orpington Ducks, the largest class ever shown in this country: First, second and third, old drake; first, second and third, young drake; first, second and third, young duck; first and second, pen. Special for best display of ducks in the show, which had the annual meeting of the American Water Fowl Club. At Red Bank, N. J., show, he won eight cups, A. P. A. Medal and Enquire Medal for best cockerel in the show on First Buff Orpington cockerel, and best pen in show on First White Orpington pen. Specials for best display in show. Best display white and best display Buff Orpingtons. Best display of Buff Leghorns and best display of Buff Orpington ducks.

These winnings tell the whole story of Dunrobin quality far better than words of mine can. They are a credit to this line and are of surprising value. Mr. Dalby gives his entire attention to his plant and birds and we would advise all who can to visit this plant and see its stock. It will interest you. Mr. Dalby sends his catalogue free for the asking if you mention the A. P. J.—H. P. Schwab.

A. R. EARLY, ROSLYN P. O., MD.

It is a matter of personal pleasure and pride to chronicle the success and winnings of our friends for it carries with it special sentiment with duty. For all the years we have known Mr. Early we have admired him and his quality as a breeder. He has been consistent and has brought his line along and up to the highest standard as his show record this season amply proves.

At Hagerstown, Md., he won on his White Plymouth Rocks all five first prizes and all specials. At Charlottesville, Va., all first prizes and all specials, with four silver cups included. At Baltimore's great show, 1st cock, 1st, 3rd and 5th pullet, 3rd cockerel, 5th hen, 2nd pen, special for best female, etc. At Richmond, Va., 1st hen, 1st, 2nd and 4th pullet, 5th cockerel, 2nd pen, special for best female in show; 500 birds competing.

Mr. Early has been a consistent winner in this line for many years. We have often handled this line and know its qual-



ity. Its feature is its wonderful sound and pure white color along with shape and size. His exhibit at Hagerstown was a marvel in quality and condition. He breeds them white, with rich red eyes and strong yellow legs. It is a good and proper line to tie to, and we are assured all will receive absolute value and satisfaction from this line. Write Mr. Early for his list and for wants.—H. P. Schwab.

### MOUNT PLEASANT FARM.

Your correspondent recently had the pleasure of a visit at the Mount Pleasant Farm, Mount Pocono, Penn., where every courtesy was extended by the proprietors, affording opportunity to see their plant in detail. We found here a poultry farm unique in its aim and methods—health, strength and vitality is the keynote of all their work. Not a bird was seen on the place but showed perfect health and condition. Though Mount Pleasant Farm claims "Utility Stock Only," birds bred to lay, we had no trouble to distinguish both in the pullet, breeding and cockerel houses dozens of "show specimens." All the birds were very evidently pure bred S. C. W. Leghorns, large, broad deep hens, a type selected and bred by Mount Pleasant Farm methods to lay eggs, large white eggs, and that they were securing these in great numbers we could readily see by a look at the daily records—that these records were strictly true is evidenced by the following quotation from a recent letter from a customer, "From your baby chicks I raised 31 pullets, the finest I ever saw; they were the talk of the town; the first laying season they averaged 215 eggs each." One of the interesting features of the work on the Mount Pleasant Farm is the way they maintain the "old farm idea" that a hen must be, first of all, strong, healthy and vigorous, and the care taken in every detail to achieve this result. Here we see this flock of pure bred S. C. W. Leghorns, fed the best of grain, meat, green food and the necessary accessories of a perfect ration, handled with all the most modern helps to labor (they cut the hay and grind the green bone), yet from dawn to dark at all times is ever apparent the Mount Pleasant Farm demand, that the health and vigor of the birds be maintained. The houses are of the very best construction, stone foundations, timber sufficiently heavy to last for years; glass for ample light and curtains to ventilate thoroughly.

The floors are of a double course of tongue and grooved boards, and partitions every 24 feet, remove all danger of draft. The houses face south and are as dry as a stubble field in August. The cleanliness is remarkable, all manure is carefully removed daily, and fresh litter was abundant on the floors. As Mount Pocono reaches an elevation of 2,200 feet and Mount Pleasant Farm is at the greatest height, severe winters are the rule, drop curtains were over the roosts to insure warmth on nights when the temperature drops "way below zero."

Mount Pleasant Farm is housing 1,500 hens, selected breeders, many of them are two-year-old birds and the proprietors tell us that the fertility of these eggs and the livability of the baby chicks are remarkable, judging from their guarantee to replace "all infertile eggs" this is true; they surely show every confidence in a high percentage of fertility. They have also 1,000 pullets, laying large white eggs for market, and besides ample males for use in the breeding houses, several hundred mature cockerels for sale at a price which will "clean them up quick." Mount Pleasant Farm has an incubator capacity of 24,000 eggs at each setting, two Hall mammoth machines of which they are very enthusiastic, saying, "at a minimum of labor and expense they hatch beautiful big chicks with stamina and vigor, which accounts for a rapid development. About 50,000 day old chicks and 100,000 eggs for hatching will be shipped this season.

The proprietors told of a Mount Pleasant Farm business method, too, that is different. Orders are not booked for shipment in rotation as received, but to be shipped at the date set by the purchaser; this is accomplished by estimating the weekly output and accepting orders for only as many eggs or chicks as they can produce each week. All money and orders are returned at once when impossible to fill them as the buyer requests.

### WEBSTER FARM, GIRARD, PA.

White Plymouth Rocks have had a phenomenal season and the Webster Farm line in particular has proven its worth and has won new records at Philadelphia, Williamsport and at Cleveland, O. At these great shows they have won this season 10 firsts, 4 seconds, 4 thirds, 1 fourth and 3 fifth prizes, a total of 22 of a possible 28 competed for. Their winnings in specials for best males and females in show at Williams-

port and Philadelphia give further proof of the high quality of this line.

Two years ago at M. S. Garden, New York, this line won three first and two second prizes, winning their title as the New York champion line. They have also won at Boston and other great shows.

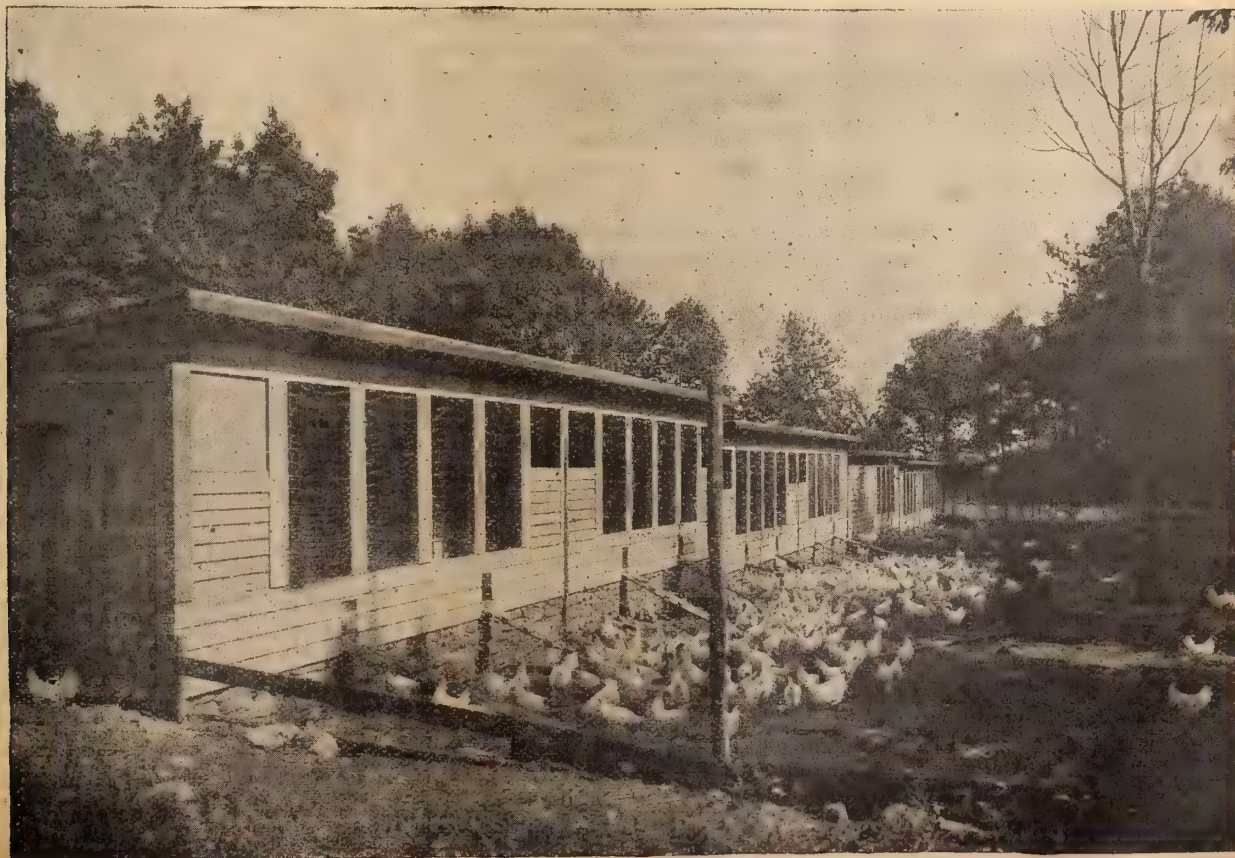
This year this line is better than ever. The matings are made and include all of Mr. Webster's winning birds, including his three highest winning cocks and cockerels at Cleveland's greatest show. We know of no breeder with a similar record in winning males. Mr. Webster increased his plant last season with new houses and with large pens and now has as complete a plant as we know of. He takes special pride in his birds, is an interesting fancier and a most reliable man. Write him for mating list and in regard to choice breeding stocks. He has them and will assure satisfaction to all. Address Webster Farm, Box A, Girard, Pa.—H. P. Schwab.

### OTIS & MOE.

Our progression as a nation is in no way better shown than a comparison between the old fashioned and primitive poultry yards of our fathers and the present up-to-date and well-equipped poultry farm of today.

In the old days the chickens were pretty much left to shift for themselves. They ate any thing they could find, drank from polluted puddles and roosted in the trees. A large proportion of the flock were devoured by skunks, weasels and rats and many others died from disease caused by careless neglect.

Take the modern poultry farm of today, with its carefully attended flock of thousands of birds. Its modern poultry house equipped with sanitary metal nests, feed hoppers and drinking fountains and other modern and up-to-date sanitary equipment, the inventors and manufacturers of which deserve the gratitude of the poultry raiser, for they put money in his pocket by insuring the health of his flock, increasing their productive value and saving him labor. Take Mr. A. B. Moe of the Otis & Moe firm, Chicago, for instance, who invented the Moe's top-fill sanitary drinking fountain for his own needs, which is the only practical fountain on the market that fills from the top, and with this salient feature adds a dead air space between cover and reservoir that keeps the water cool in summer and from freezing in the winter. Not content with this, and because the rats were causing him trouble, he invented a device for safely poisoning them without



Long Laying House, Capacity 1,500 Layers, Mount Pleasant Farm, Mt. Pocono, Pa.



endangering the lives of his birds, both of which inventions proved so useful and successful that for the past two years he has made the successful raising of poultry a study and has become a partner of the firm of Otis & Moe, who manufacture a few of the most popular and useful poultry accessories that can be had.

If the old haphazard chicken raiser could see some of these modern useful devices he would just take a look "and then drop dead again."

### A NEW BOOK ON BROODING.

We have received a copy of the book entitled "Successful Brooding," from the pen of Mr. N. P. Husted, and published by the Simplex Brooder Stove Company of Grand Rapids, Mich. This book covers the subject of raising chicks very thoroughly. It does not only deal with the chicks after they are hatched, but starts at the beginning and tells how to feed hens so they will lay eggs from which chicks that have a chance to live can be hatched.

The system which Mr. Husted has worked

out is entirely different from anything we have thus far had the pleasure of studying. It is different from the many other systems in that it does not require an expensive equipment. It is so simple that any man, woman or child can begin operations with his poultry the day he receives and reads the book. No special coops are required and no special knowledge along the lines of poultry raising. Just ordinary common sense combined with the instructions Mr. Husted gives you in this book will make a success of any poultry yard which has been on the ragged edge of failure for years.

The price of this book is 50c, postpaid. If you have had brooding troubles we strongly advise you to write to the Simplex Brooder Stove Company at Grand Rapids, Mich., asking them to send you their catalog which tells about the Brooder Stove and the entirely new ideas they have brought out for raising chicks. Better still, send them 50c and they will send you their catalog and a copy of this book, which will enable you to increase your profits wonderfully this coming year.

Remember it does not take any additional

money to put this new system in operation. Write the Simplex Brooder Stove Company, 91 Fourth street, N. W., Grand Rapids, Mich., today, now, while you think about it, and get their catalog and a copy of this book.

### MAKES 64 DIFFERENT SIZES AND STYLES INCUBATORS AND BROODERS.

Any one who still retains the idea that the poultry business is one of simple needs and few wants has only to examine the new catalog of The Reliable Incubator and Brooder Company, of Quincy, Illinois, to see how far wrong such an impression really is. This old reliable concern is now offering poultrymen of this country and abroad sixty-four different sizes and styles of incubators and brooders.

Anyone familiar with manufacturing problems knows that a modern manufacturer is not making any more variations than is necessary to meet the actual needs of his trade; and the fact that a conservative house has found it necessary to produce this vast number of different sizes and styles of machines is evidence of how insistent poultrymen are upon securing precisely the machine best fitted to their wants.

They manufacture two general models, "The Standard Reliable Incubator" and the "Reliable Bantling Incubator." These models are made both with and without brooders attached, and also with both hot air and hot water heating plants.

It is hardly necessary to state at this late day that the Reliable Incubator and Brooder Company is an immense institution. They have been making incubators and brooders, supplying the poultrymen of the world, for the past thirty-one years. It is unnecessary to say, either, that all their machines are built with the most scrupulous care, and they back every one with their guarantee—As good as old wheat in the mill.

A trip through the Reliable factory would be a revelation to many of our readers. Their plant occupies a perfectly equipped and designed building 370 x 160 feet. It is two stories high, giving them an actual floor space of over 118,000 feet. The heavy machinery and electric motors are located on the first floor. In addition to the factory space, their warehouses occupy 40,000 square feet, all occupied for the manufacture of Reliable Incubators and brooders, Poultry Supplies and Fireless Cookers. Their buildings are lighted throughout by electricity. Electric power is used for running all machinery and their elevators. It is worthy of note, too, that no contract work whatever is done in this factory, nor do they have any article in connection with their incubators and brooders made for them elsewhere by contract. They have reason to be proud of their machine, their plant and their record, and in these days of trusts and cheap workmen it is a pleasure to find a firm of which it can be said that 90 per cent of all their employees have been with them for a term of years. They do not pay by piece work, but by the week, and it is their policy when once they have a good man to keep him.

A new 1913 catalog of the Reliable Incubator and Brooders is ready for distribution, and will be sent free to any of our readers who will write the Reliable Incubator & Brooder Co., Quincy, Ill.

### RAISING CHICKS AND GETTING EGGS.

If the poultrymen can raise to maturity a high percentage of the chicks he hatches, he has solved the first and greatest of his problems. Chicks that die while brooding represent just so much loss.

Next in importance to the raising of chicks is the getting of eggs in off seasons, when the price is high. The man whose hens lay well in winter has a big edge on the fellow whose layers take a vacation at the very time when their activity would be most profitable.

Users of the International Sanitary Hoyer claim that it has solved both the big problems of the poultryman. The catalog of the International Poultry Sales Company contains dozens of testimonials in which the writers state in effect that the Sanitary Hoyer will raise practically all the healthy chicks committed to its care. Among the hundreds of testimonials printed in the catalog are those of Kellerstrass, Owen Farms, Wm. Cook & Sons, and Rufus Delafield.

To get eggs in winter it is necessary to feed green food, preferably sprouted oats. As a grower of green food, the Sanitary Hoyer is a model of efficiency. In eight days it will transform 12 quarts of oats into enough green food to feed 500 laying hens 3 days. This makes the hoyer a brood-

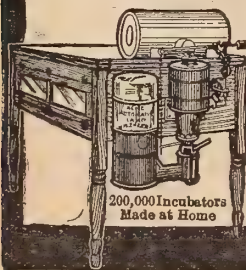
## Build Your Incubator and Save Money —Double Your Incubator Value

**N**OW is the time—right now—to build your own Peerless incubator. **SAVE MONEY** and get the best incubator on earth. Three hours simple work with a hammer and saw, my Fixtures and my Free Plans and I will guarantee you the kind of incubator that gave 92% hatches to A. Groschell and thousands of others.

### 200,000 Poultrymen Have Built Their Own Great PEERLESS INCUBATORS

Anybody can do the work. I guarantee results. Every poultryman knows Sheer's Automatic Acme Fixtures. For over twenty years the most successful men in the poultry business have used Acme Fixtures. The very latest and best that my skill and experience can produce is all yours in a Peerless incubator. Put it together yourself—simple as A-B-C.

The Peerless Automatic Vapor Heating System. The Peerless Automatic Moisture System. The Peerless Automatic Vapor Heating System. Automatic Moisture System and Automatic Ventilating System are the biggest incubator improvements of the age.



The Peerless Automatic Vapor Heating System. The Peerless Automatic Moisture System. The Peerless Automatic Vapor Heating System. Automatic Moisture System and Automatic Ventilating System are the biggest incubator improvements of the age.

These are the exclusive patented fixtures that make the Peerless Incubators the greatest and surest hatches. There are no other fixtures like them. My Automatic Lamp with trip burner will make a gallon of oil go twice as far as any other lamp on earth. My Tandem

Double Compound Damper and Flame Regulator wipes out large operating expense and all trouble. My Automatic Vapor Heating System, Automatic Moisture System and Automatic Ventilating System are the biggest incubator improvements of the age.

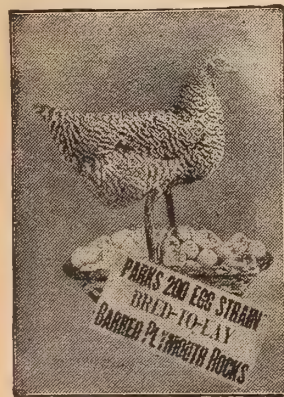
### Make Your Old Machine New

My famous Acme fixtures, lamps, tanks, regulators, etc., can be placed on any incubator. Fix up your old machines with my fixtures and make them modern hatches. Don't repair an old machine of any make until you talk to me.

**Custom Hatching** with my new 500-egg unit machine is a new and wonderful way to make poultry profits. No boilers necessary. Let me send you special information about this and also my big **FREE BOOK** telling everything, gives plans for building at home, shows you the fixtures, shows you how to get higher percentage hatches. Send for it—tonight.

**H. M. Sheer, Dept. 13, Quincy, Ill.**

## PARKS' Bred-to-lay BARRED PLYMOUTH ROCKS



Is the strain you will evidently eventually breed—the strain that laid their way into universal popularity and are holding it by making good in hundreds of customers' hands.

They represent over 20 years of careful selection and trap-nesting for eggs, as well as being kept close to the standard requirements, as my 1913 winnings show:

Chicago, Washington Heights, Jan. 27-30, 1st and 5th pullet, 2d and 4th cockerel, 2d and 5th cock. Pittsburgh, Jan. 13-17, 4th pen. Altoona, Jan. 20-25, 1st, 2d, 3d and 4th hen, 1st, 2d and 5th cock, 1st and 4th cockerel, 2d

pullet, 1st cockerel and pullet pen, 110 Barred Rocks in class.

No more stock until May 15th, then at half price.

EGGS—Selected: 15, \$5; 30, \$8; 50, \$11; 100, \$20. Incubator, 15, \$2; 50, \$6; 100, \$10. Eggs by Parcel Post if wanted.

Parcel Post leaflet, "The Mail Route to Poultrydom," sent free. Large 36-page catalog or chick circular upon request.

**J. W. PARKS, Box J, ALTOONA, PA.**



ing device that can be used at a profit throughout practically the entire year.

At the Rancocas Poultry Farm, at Brown's Mills, in the Pines, N. J., where the Sanitary Hoyer was invented and perfected, it quickly supplanted a costly hot water heated brooder house. At the Rancocas Farm all chicks are now brooded under Sanitary Hoyers, the Hoyers being used in the laying houses. Perhaps the chief distinguishing feature of the hoyer is that it is warmest at the curtain than near the center, which prevents crowding, tramping, and smothering of chicks. Other important features are: It can be used anywhere that there is shelter from rain and wind; it can be set up in a moment without cutting of holes or building of platforms; it is fireproof; the lamp can be lifted out by a person standing up, which makes it unnecessary for the operator to go down on his knees in dust and mud.

### CHAS. A. CYPHERS MARKS A NEW ERA IN ARTIFICIAL INCUBATION.

Mr. Cyphers Has the Following to Say of His New Big 4 Buffalo:

The primary conception of the Big 4 dates back to a time during my experimental work,—the summer of 1890 to be exact. I was then known in my home in Boston as an "incubator crank." One morning I was called to witness a spectacle novel even for that center of early artificial culture.

Refrigerator cars were not so plentiful as now, and a common car of Western eggs had been sidetracked en route during a hot spell. It arrived in Boston alive with chickens,—sun-hatched, aided by the natural animal heat generated by the developing birds. Something over 3,000 lively chicks were taken from that car.

I had been working on the diffusive principle of incubation, which eventually led to the making of the original Cyphers Incubator, and then conceived the idea of bunching eggs and conserving the natural animal heat to aid incubation. Many attempts were made with only partial success. In 1895, at Stroudsburg, Pa., I constructed the first "Mammoth," a 20,000 egg hatcher, for hatching duck eggs.

This was a building 20 feet square, with a small ell used as a receiving room, in the basement of which was placed a standard hot water heater. The heating coils extended around the sides of the hatching room, below the walk, so arranged that the temperature on any one level did not vary one-fourth degree. The regulation was so perfect that it automatically took care of an outside change of temperature of 35 degrees in six hours without varying one-half degree within, something the present hot water heated Mammoth Incubators cannot approach. One small lot of hen eggs turned off a 100 per cent hatch, and other lots hatched up in the nineties. On duck eggs, for which it was built, it was not a success.

No provision had been made for cooling. It was forced home to me then that duck eggs must be cooled during incubation, which fact I have repeatedly demonstrated since. Also that cooling gives a stronger chick from hen eggs, although not vitally essential. Lack of funds prevented my prosecuting the Original Mammoth Incubator to a finish.

Many times during my years of incubator manufacturing experience have I returned to the "bunched" proposition. In 1907 I was fairly at work on it when the panic of that year caught me too deep in big things to withstand the financial gale. But the final workable idea did not materialize until two years ago; and perhaps it might be still slumbering had not a new material given me possibilities of heat deflection within narrow spaces that made the Buffalo Big 4 possible.

When I put the New Buffalo on the market in 1909, I perfected a waterproofing process for fiber board, which I wanted to use as a lining to an airtight case, preventing leakage. In experimenting with this material I discovered that it had unlooked for heat deflecting properties. It impressed me forcibly that this was just the material that I needed to perfect my "concentrated hatcher." By dint of much experimenting I have perfected a most simple interior arrangement that gives an effect that I have wanted to produce for more than twenty years.

The Buffalo Big 4 is substantially made. The weight is approximately 400 lbs., crated. The neat measurement is 28" x 44½" x 58", exclusive of the heaters and legs. The side walls are three and one-half inches thick, and the top four inches, well packed with good insulating material. It has double doors,—the inner double glass

and the outer paneled. The amount of oil used to heat it is but a trifle more than required by a 360 egg standard incubator.

The heaters and lamp are placed in front, extending in the aisle rather than take up incubating room at the side. The lamp has three burners, which engage the three heaters. This lamp needs filling only once each week. Using a low seat instead of stooping, the attendant can quickly trim the wicks without removing the lamp. The chimneys push up into the heaters, and fit on the burner with a guide ring. The three burners can be attended to quicker and easier than one regular lamp can be filled and trimmed daily.

The three heaters engage three compartments, which are heated and regulated en-

days apart, each lot is transferred from No. 1 to No. 2, and from No. 2 to No. 3 section, and finally to the standard hatcher for the exclusion. Here we have three days to hatch the chicks, thirty to forty hours to harden up; and then a day to clean up and adjust for the next hatch.

Each section holds 60 extra eggs to give opportunity to test out the unfertile eggs, and have nearly a full hatcher at the last. The total capacity of the Buffalo Big 4 and auxiliary No. 3 is 1,620 eggs that can be incubating and hatching at one time.

The Big 4 is a wonderful machine, and as simple as it is perfect. It shall meet with the success it deserves, and I will work personally with each operator until his success is assured.



Champion Futurity Cockerel, Allentown, 1912.

tirely independent of each other. Each compartment holds two double trays, nesting 420 eggs in a space 8" x 12½" x 35".

The Big 4 heats perfectly, regulates perfectly, and is a perfect incubator but has no room for the exclusion. After the eighteenth day the eggs must be transferred to a standard incubator, which can be placed on top of the Big 4. We supply short legs for the Buffalo No. 3 for this purpose, although any standard 360 egg machines may be used. Each of the three sections of the Big 4 holds 420 eggs—7 eggs wide, 15 eggs long, 4 eggs high—all turned by turning over two trays. The sections are set six

I wanted to sell the Big 4 at \$60.00, but after running a lot through the factory I find the price must be \$70.00. Simple as it is in design, there is a lot of it, and I personally adjust, heat up and test for temperature each machine shipped.

Mr. C. E. Fisher, McConnellsville, Ohio, breeder of Single Comb Buff Orpingtons, was one of the judges at the Ohio State Show, held at Columbus, Ohio, Jan. 12-18, 1913. He judged many varieties, including a very large class of Reds, which was a hard class, placing awards to the entire satisfaction of all exhibitors.



## THE POULTRY SHOW.

"The Dictograph hen" is the latest aristocrat added to the chicken family. She will make her appearance along with her husband at the opening of the poultry show Monday.

"Mr. and Mrs. Dictograph Hen" will be entered in the show by Arthur E. Cowley, bailiff to Judge M. G. Evans, of the county courts, who recently sentenced State Senator George K. Ceton to the state penitentiary for three years for bribery.

In the poultry catalog, the chickens will appear as "Silver Campines," although they derive their given names from K. M. Turner, discoverer of the Dictograph, who also discovered the "campine chickens" while in England several years ago on business relating to the delicate instrument which has proved the nemesis of grafters of Ohio and other states.

Mr. Turner told Mr. Cowley about the chickens when he was in Columbus in connection with bribery cases, and Mr. Cowley purchased a setting. Two of the chickens hatched from this setting are to be exhibited at the coming poultry show. The chickens are said to be worth between \$50 and \$100 each.

## J. S. FRAZIER, ADVANCE, IND.

Located two miles out of Advance, Ind., is the beautiful 120-acre farm of J. S. Frazier and the home of some of the finest Single Comb Buff Orpingtons in the world. Mr. Frazier recognized the great possibilities of the majestic Single Comb Buff Orpington some seven or eight years ago and saw in them what they have proven themselves to be from every angle of the fancy and utility poultry game. Mr. Frazier started out to build his strain sufficiently low of shanks and long in back! In fact, type was not second to color with him. He raises some of the finest soft, golden buff birds we ever saw, entirely free from black, white, bronze or any foreign color. He raises them by the hundreds and uses both the incubator and the hen to hatch them. His buildings are very modern and convenient. Two fine breeding houses 15x60 feet, cockerel house 12x40 feet, eight double colony

houses, feed and conditioning building and incubator capacity for two thousand eggs. Breeding yards contain 40,000 square feet and afford exercise enough for the birds to insure strong fertility of eggs, and the young chicks start growing as soon as they break the shell. At the Indiana State Fair, 1912, his Buffs won first cockerel, first and second pullet and second pen on four entries. And with an entirely different string of birds he won at the Illinois State Fair, Springfield: second and third cockerel, second pullet, third hen and second pen. At the great quality show—Indianapolis—February 3 to 7, 1913, in a very strong class, he won first cock, first pen, second and fourth cockerel, third hen, champion cock, Buff Orpington silver cup for best display, silver set for largest display of all Orpingtons. Mr. Frazier always mates up great quality in his breeding pens, but this year's matings surpass all previous records. Look up his ad and write for mating list—H. H. Coburn.

## MOUNTAIN ORCHARD POULTRY FARM.

The Mountain Orchard Poultry Farm, Narvon, Pa., is one of the greatest and most original farms under the heavens that we told about a few months ago in these columns. Here 100 acres are devoted to poultry, assuring size and vigor with beauty. Their large flocks of Anconas and Houdans were a revelation to us. They have the quality and the quantity in both. Buff Orpingtons are also a specialty and with Lakenvelders comprise the varieties kept here.

They have stock for sale in all varieties and make a specialty of baby chicks and eggs for hatching. This is a feature of their business, and we know of no other breeder offering chicks from Houdans, Anconas or Lakenvelders.

Vigor with quality are the features we noted on our visit to these farms, and this is of special interest to poultrymen. The farms are in charge of a most capable man, one who has made chicken raising his life's study, assuring to all the kind of strong and robust stock desired.

The capacity of this farm is almost un-

limited. The incubator cellar with three giant machines, the mammoth brooding houses, and the several large breeding houses are almost beyond comprehension. They must be seen to be appreciated. This plant has been built on solid basis, run on business principles and is reliable and worthy of every support. Note their ad in this issue, and in writing mention the American Poultry Journal.—H. P. Schwab.

## PROGRESS IN SPRAYING.

Despite the wonderful advance in spraying means and methods, and the even more wonderful gains obtained in this important department of agricultural endeavor, there are many who will not—or cannot—see the immense possibilities that lie in this direction. It is strange to note how many sound, practical farmers and truckers there are who cannot be made to understand that spraying is a universal remedy—an operation that can be applied to every department of the farm work with equal resultant advantages as in fruit growing. Entirely too many are there who think of spraying only as something to do with better fruit, a sort of specialized operation valuable only in the orchard.

Yet the work of enlightenment is advancing slowly. Potato growers are discovering that they may increase their yields from 50 to 100 bushels to the acre by the judicious use of sprays during the growing season. Truckers are getting bigger crops, better crops and larger prices for their stuff by spraying their tomatoes, cucumbers, lettuce, asparagus and such produce, not only to keep off bugs, rot, mildew, spot and other unattractive things, but to make really larger yields. Cucumbers have been kept bearing six to eight weeks longer through proper spraying. Berries thrive better. In fact, there is no crop grown, in field, orchard or garden, that is not the better for the proper spray.

Just as important, however, as the right spray, is the right means of applying it. It is today a far cry to that remote period when the gardener dusted on his spray or his powder with the family whiskbroom; or when he used a hand pump to force arsenate of lead to the top of a fifteen-year-

## EGG PRODUCERS—If you want eggs buy Fishel's White Ply. Rocks

## S. C. Rhode Island Reds

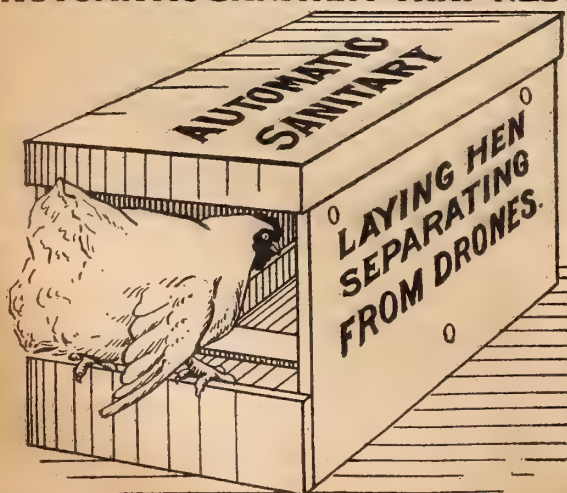
THE VERDICT IS IN, AND VICTORY UNPRECEDENT IS OURS

At the great Philadelphia Show, Dec., 1912, my line of S. C. Reds won the leading and classy prizes of the entire show, in competition with all birds shown. They won 1st cockerel, 1st hen, 2d and 3d pullets and 1st pen in a class of 122 birds. My 1st prize cockerel was awarded the cup for best cockerel in the entire show, with every one of the 4000 birds competing. He also won color and shape specials with other specials for my entire entry. At Cleveland, Ohio, January, 1912, my 1st prize pen was the sensation of the show, judges and breeders saying they never saw one like it for quality and evenness. Write me your wants. If you want quality birds or eggs for hatching, I can supply you. Absolute satisfaction assured to all. Mention American Poultry Journal when writing.

Schenley Heights Poultry Yards, C. F. Rankin, Prop.

: 316 Fourth Avenue, Pittsburgh, Pa.

## AUTOMATIC SANITARY TRAP NEST



1913

1913

## The Best is the Cheapest

THIS NEST requires none of your time or attention, no waiting for hen to lay or resetting of nest. Operated as well and better by the hens during your absence than if present to disturb them. It saves time, labor and feed by selecting the good layers from the culls and drones. The good layers produce the hatchable eggs and strong, healthy chicks. All leading breeders are using the trap nest. We are sending them everywhere. Made of galvanized sheet metal, are sanitary, vermin-proof and will last a life time. Write for free booklet or agency or both. Address

Automatic Sanitary Trap Nest Co., Duluth, Minn.



old pear tree. The spray people have advanced, but not faster, nor even so rapidly, perhaps, as the folk who make the apparatus for applying sprays. There is now a pump and a nozzle, an engine or a hand spray, for every solution, for every crop. These things mean just what every other advance in the way of the right thing, done in the right manner, means to anyone. They are bringing about better crops, bigger profits—inevitably.

Nothing is so indicative of progress along this line as the sprayer booklet recently issued by the Bateman Mfg. Co., of Grenloch, N. J., makers of garden tools, planters, cultivators and spraying apparatus. In the book are embodied the latest and most efficient types of pump, barrel, hand power, knapsack and bucket sprayers—nozzles, extension, tanks, handles and a hundred and one other extremely important pieces of machinery for the thorough spraying of every crop. No fruit grower or gardener or for that matter, any man who raises any crop—should be without this book. It will save money on spraying; it will tell how to spray for profit; it gives an idea of the mechanism and working of the chief types of sprayers. A copy will be sent free, on request, to any address. Every farm owner should send for one. Address Bateman Mfg. Co., Box 119-S, Grenloch, N. J.

### MAKING MILLER FRESH AIR HEN HOUSES.

A first-class carpenter is the result of experience and doing the same thing over and over. Let a carpenter build ten houses and the last one will be better built than the first and at less cost.

The carpenters who make Miller Fresh Air Hen Houses have this experience multiplied by tens and hundreds. Again, they work inside on what is known as templets, a heavy frame platform at easy working height, in which every section of the Miller Fresh Air Hen House fits exactly.

Then, you understand why these are better built than any carpenter would build his first or second or tenth house. Built on templets, every part is brought down to an exact size and the different sections are built in this templet, making them exactly alike. Even the vermin-proof paint is applied by experts, some of the parts being dipped in the paint.

The Miller Fresh Air Hen House is built by the most approved scientific plans. Sixteen feet deep and 10 feet open front, perfect fresh air circulation without drafts is secured. The three windows in the monitor roof brings the sunshine into the rear or laying section of the house. Light and air are the best of all disinfectants; and until you have tried one of these scientific hen houses you will not be able to appreciate the great advantages. Earlier eggs, more eggs, more fertile eggs and a better hatch with stronger chicks is assured when poultry is properly housed and fed.

### THE OWEN FARMS.

We met Mr. Owen at the Boston Show and believe him to be the busiest man in the world today. Business agrees with him, and he is looking better than ever before. He is a man of action, one who does things every day, and for all the years he has been in the poultry business it has been the same. A wonderful man.

Year by year the Owen Farms have been breeding, selling and exhibiting, and when they made their phenomenal win at Madison Square Garden, New York, last year, we believed the climax had been reached and that they would rest on their honors for a few years. With that record indelibly stamped on memory and with the absolute knowledge that at the time they were making that unapproached record at America's greatest show, that birds they sold were winning at a dozen large shows the country over, adding renewed fame to this wondrous line, we believed they could rest and reap the results sure to follow.

Every year the breeders seek to improve their stock. Every year chance birds appear, and make most uncertain the competition and chance to win, and in consideration of all this it did look as if they could keep aloof from the strife and let the others fight it out for place. But—

Well, Mr. Owen thought different. He had the stock to his liking, and believed the breeders of the country should see it and know more of Owen quality. The result is that he has exhibited more this season than ever before, making all the great shows and sending his birds thousands of miles to compete in the best classes the country offered.

At the late Madison Square Garden,

New York, Show, also at Boston, their silver cups, trophies and ribbons won were exhibited in a large display case, which attracted unusual attention, and made a display the like of which was never seen before. Those silent trophies spoke volumes of Nashville and Memphis, of Augusta and Shreveport, and of Atlanta and Pensacola. The blood of the South was represented there and its fairest honors won by this great farm.

To properly review the winnings made would take pages, so let us view the totals and try to comprehend their exact meaning and value.

The Tennessee State Fair, Nashville, Sept. 16-21, 1912, with all varieties shown, they won a total of 72 prizes competing with 659 birds. Of these 28 won firsts, 16 seconds, etc. They also won several specials of which we haven't the list.

At Memphis, the Tri-State Fair, with

describing as it does their 1913 matings, it is mailed free for the asking.

They have an unusually large and fine stock this season, and can supply all wants promptly. You will eventually be interested in them. Why not now? Write them describing your wants. Mr. Owen will be glad to answer you and to help you. His success is an assurance of yours.—H. P. Schwab.

H. E. Buker, Zanesville, Ohio, one of Ohio's leading attorneys, has, as a diversion from business cares, some of the most classy Black, Buff and White Orpingtons in the country. A man of Mr. Bunker's caliber always has the best, otherwise the pleasure would be lacking. His Black Orpingtons have type to burn and are as green as beetles. The pens mated in this variety are extra fine and the young stock will be something to look



over 900 birds competing, in their varieties they won a total of 62 prizes, including 24 firsts, 17 seconds. Here also several cups and specials were won.

At Augusta, Ga., Nov. 4-9, 1912, the Primrose Show of the South, they won a total of 86 prizes, including 24 firsts, 21 seconds, etc. Cups and many other specials were won here including the Gold Special for best and largest collection.

At Atlanta, Shreveport, La., State Fair and Pensacola, Fla., Inter-State Fair records on a par with above were made.

These records show them competing against thousands of birds, and they also show them great winners in each class and at each show. They show the Owen line to be an assurance of success in any competition and under any conditions.

The Owen Farms' mating list is just at hand, and is a most interesting book,

out for in the show room next season. His Buffs are equally as fine as his Blacks and they are golden buff—grand in type and head points. Just one pen of these beauties. And just one pen of the whitest White Orpingtons that grow. A limited number of eggs to spare from these matings. If you want something choice, address H. E. Buker, attorney-at-law, Zanesville, Ohio.—H. H. Coburn.

The readers of our paper, who are needing Farm Fence, Poultry Fence or Barbed Wire, will find it to their advantage to secure the catalog of the Coiled Spring Fence Company, of Winchester, Ind. Write them your request on a postal card and they will mail the catalog to you free. This company sells direct to the farmer at money saving prices. Their ad appears elsewhere in this issue.



# S. C. Brown Leghorns

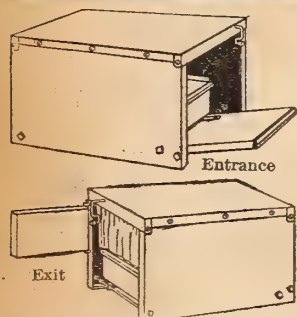
First prize winners at Madison Square, New York, Chicago, Pittsburg, Cleveland, Buffalo and Philadelphia. My prices are reasonable. Write for circular.

**Frank Schellang, R. 8, Erie, Pennsylvania**

## White Indian Runner Ducks

That breed true to type, color and station. In taking up a new breed one naturally wants to buy their stock and eggs from "headquarters" and from stock that you know is mated and bred right. Our White Runners have won at New York, Hagerstown, Indianapolis and Great Appalachian Exposition. We have sold the winners for nearly every show of note the past season. Our yards this season contain the best White Indian Runners in the world. Eggs, \$8 per 12, \$15 per 24.

**Mrs. U. R. Fishel, Box R, Hope, Indiana**



### THE 20th CENTURY Automatic Trap-Nest

Do not spend your time with the old style trap-nest when you can get one that will do the work as good or better. Let the automatic trap-nest do the work for you. They are just what you want. Write for printed matter. Invented and manufactured by

**C. S. Barnes, 87 King Ave., Columbus, Ohio**  
Manufacturer of the 20th Century Poultry Feeding Devices

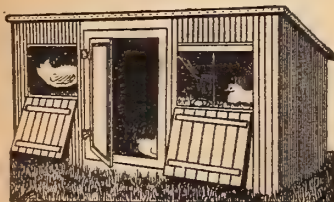
**ACT QUICK**

**ORDER TO-DAY**

## CLOSING OUT SALE Portable Poultry Houses

We are discontinuing the manufacture of these two styles and have less than two dozen of each to close out at

**33 1/3% Discount**

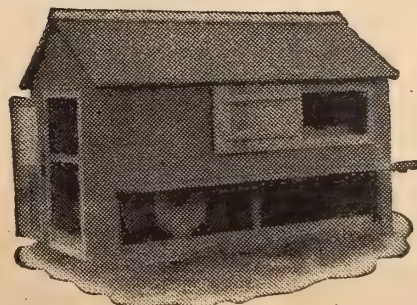


A \$20.00 house complete for  
**\$13.35**

8 feet long, 4 feet wide, 4 feet high.

These houses are well made of dressed and matched pine, painted two coats of oil paint, have solid roofs covered with 2-ply mineral coated felt. Ends and sides are lined with felt, and can be erected in 30 minutes.

Complete with removable nests, roosts, dropping board, fountain and hopper, and securely crated. FREE with every house ordered before March 15th, three oat-sprouting trays and full directions for feeding to produce eggs for 7 cents per dozen.



This two-story \$30.00 house complete for  
**\$20.00**

8 feet long, 4 feet wide, 5 1/2 feet high.

**OWEN CO. ALLEGAN, MICHIGAN**

### JIM ROHAN'S INCUBATORS.

When an incubator wins world's championships, time and again, it's a pretty good indication that incubator will more than satisfy any poultryman, no matter how high a mark of perfection may be desired.

That's the record which has been made by the Belle City incubator, made by Jim Rohan, of Racine, Wis. And there are hundreds of thousands of enthusiastic, profit-making Belle City users who have proved it.

When asked as to how this exceptional record had been made, Mr. Rohan expressed it in one short phrase: "Common-sense building and a common-sense price."

Going further into detail of what his aims are and have been for the thirteen years he has been manufacturing Belle City machines, Mr. Rohan said:

"The common-sense view of an incubator is simply this: Hatch the most eggs, and do it in the simplest way possible. There are some people who think it is necessary to put a lot of theory, and a dozen and one complicated parts into an incubator, in order to get the best results. But that looks like foolishness to me.

"When I started in making Belle City incubators I took for my model a hen. I knew she hatched eggs by the everyday laws of nature. I have studied these laws and the result is the Belle City—an incubator which comes as near to being a mother hen as it is possible to make a manufactured article approach nature.

"And I had a further aim in view. An expert poultryman, by hard work, can get pretty good results from any incubator. But how about the man or woman starting out in the poultry business? Naturally, they don't know a whole lot about hatching, or about chickens in general. Give them a complicated machine, which requires the attention of an expert, and the results are bound to discourage them.

"The result has been this: I have, with expert assistance and advice from the leading poultrymen of the country, brought the Belle City to its present state of perfection. This perfection means simplicity and efficiency. It means that anyone can hatch the biggest proportion of their eggs with a Belle City. The expert likes it because it doesn't require his constant attention. The beginner, or inexperienced man, is delighted with it, because he doesn't have to depend on long experience to show him how to make money from chickens.

It is our suggestion that you write to Mr. Rohan at once, addressing him personally, as follows: Jim Rohan, Pres., Box 27, Racine, Wis. Simply say, "Send World's Championship Hatching Facts," and all the facts and figures will come by return mail. For the most prompt attention we suggest that you mention this publication when you write.

There is no other information in the world like "Hatching Facts" that Mr. Rohan is sending out. From cover to cover you will find every page interesting and instructive. You will learn many facts not to be found elsewhere. You will see hundreds of letters from owners of Belle City incubators, telling how they are making big success with it and their opinions of the Belle City. You will find letters from the world's champions telling what they think of the prize winners. Whatever other catalogs you may send for, whatever you may now know about incubators and poultry raising, we believe it will be to your profit and interest to write at once to Mr. Rohan for the facts that he is so willing to send to all who write him. Just a postal card will do. Send it today without fail.

### LICENE KILLS THE LICE.

When other lice-killers fail, try Licene; it does the work every time. Send to the Licene Co., Pontiac Bldg., Chicago, Ill., for free trial sample.

Lancaster, Mass., February 19, 1913.  
The Licene Company, Pontiac Bldg., Chicago, Ill.

Gentlemen: I have given Licene a good trial. It has killed every louse on the birds I applied it on. I shall need several pounds of Licene after the weather gets warmer and lice will be plentiful. What is your price by the pound? Very truly yours.—A. C. Hawkins.

Mr. E. B. Thompson, Amenia, N. Y., of Ringlet Barred Rock fame, informs us that his 1913 Imperial Ringlet egg booklet is now ready for distribution. Better send for one today.



## WINTER CARE OF LIVE STOCK.

The winter season is the time to set the things to rights on the farms, to take such measures as will bring men, stock and implements to the highest degree of efficiency for the ensuing summer campaign and there is perhaps no better way of distinguishing the successful from the unsuccessful farmer than by the manner in which they care for their stock and implements during the slack season. Go over the horses carefully and see what they need in the way of fixing up. Are their teeth sharp? File them down. Do they need a tonic? Get it. Is the barn tight and warm? Remember that you can't afford to warm all out of doors with feed at its present price. Are you prepared for emergencies that may arise in the treatment of milk fever and garget? Do you suspect tubercle in your herd? Now is the time to test your cattle.

Do you realize the money there is in capons? Get a set of caponizing instruments now and operate on two or three chickens weekly until you become expert, so that when the season arrives you can take advantage of it.

The house of Geo. P. Pilling & Son, 23rd and Arch streets, Philadelphia, Pa., make a specialty of supplying instruments and remedies direct to the farmer, delivering free to your home, you can get anything, tooth instruments, milk tubes, garget and milk fever outfits, tuberculin and hypodermic syringes, caponizing instruments, blisters, tonics, healing ointments, cattle powders, liniments, at prices that will please you—all of these goods are easy to use and are sent with such full instructions as to be absolutely satisfactory.

The Geo. P. Pilling & Son Co. also keep a staff of veterinarians to give free information on request to their customers. Write today, it costs nothing.

## SAFE INSTEAD OF SORRY.

The motto "It is better to be safe than sorry" can be applied with excellent judgment in selecting the Queen incubator, built in Lincoln, Nebraska.

The Queen is manufactured by a man whose cardinal principle is to build honestly. Other manufacturers may make and sell more incubators than P. M. Wickstrum does. But this can be depended upon: Every Queen that goes out of the Wickstrum factory is built according to the Wickstrum idea.

Buyers of Queen incubators are not disappointed. Queen incubators are honestly built throughout. What is more, they have the "hatching spirit," or, as Mr. Wickstrum puts it they have "hatchability." The Queen everywhere has a record that is not surpassed by any other machine for making high per cent hatches of strong, livable chicks.

In connection with the Queen several facts might be mentioned. These are significant:

1st—Queen sales are larger each succeeding year. It has made its way to all parts of the country.

2nd—The Queen is neither a "cheap" nor a high-priced machine. It's a common saying that "the Queen price is a fair price."

3d—The Queen in many successful poultry plants is at work side by side with the highest priced incubators made. It has never taken a back seat for any of them.

To the reader who is about to purchase an incubator, let us say again you can buy the excellent Queen at a fair price and make sure of being safe instead of sorry. Address Mr. Wickstrum at Lincoln, Neb., and he will be glad to send you catalog with 28 reasons for the Queen's superiority.

The H. W. Johns-Manville Co. announce the removal of their Newark office to 239 Halsey street. Their new office and salesroom is located on the ground floor of a modern building, right in the heart of the city's business center. With a floor area of 4,000 square feet, ample space is afforded for the display of a varied line of J-M asbestos roofings, packings and pipe coverings, brake lining and auto accessories, "Noark" fuses and protective devices, Frink lighting fixtures, etc.

Carl E. Rogers, Painesville, Ohio, the Orpington specialist, has just issued his 1913 mating list, which contains a complete description of all his pens of Buff Orpingtons. His special mating No. 1 is headed by the cock bird that won first at the great Northern Ohio Fair and is mated to pullets that will no doubt produce birds of high quality. He has four other pens of exceptional merit. He pays the express and guarantees satisfaction. Write him for a copy of mating list and mention American Poultry Journal.

## We Guarantee our Eggs and Chicks

Because we KNOW how strong and vital they are; how carefully we cull and select and test on our great plant. We make no extravagant claims—we simply say "Buy Tywacana Stock; its sold on a Make Good Guarantee that PROTECTS!"

Baby Chicks      Hatching Eggs      Breeding Stock  
S. C. White Leghorns      Barred and White Rocks

Write TODAY for our big catalog. It tells how we can afford to guarantee our stock. It is full of poultry facts. Sent FREE. We Use WRIGHT Boxes—that means Safe Delivery.

Tywacana Farms Poultry Company, A. E. Wright Supt., Box 53, Farmingdale, L. I., N. Y.



## Carter's American Dominiques

The Great Sensation of Boston, 1913, Show. For five consecutive years they have cleaned up this great show. Boston, 1913, winnings: Cocks, 1-2-3; hens, 1-2-3; cockerels, 2-3-4-5; pullets, 1-2-3; pens, 1st. No show record equal to mine. No birds better bred for both utility and fancy. Two hundred years or more of breeding has fixed the great egg and meat producing qualities in this warranted breed. I have for sale the best lot of birds I ever owned. Eggs for hatching.

A. O. CARTER      ::      Box 1526      ::      FREEPORT, MAINE

## WHY INCUBATOR CHICKS DIE

The book entitled, The History of White Diarrhoea, or why incubator chicks die, will be sent absolutely free by return mail to anyone sending us the names of 7 to 10 of their friends that use incubators. This book can save you \$100 this summer. It describes white diarrhoea or bowel trouble, the cause and tells of a cure. Book absolutely free for the names.

RAISALL REMEDY CO.,      ::      BLACKWELL, OKLAHOMA

## ROUEN DUCKS

Breeding stock of this highly useful and attractive variety for sale at reasonable prices. Eggs for hatching from carefully selected matings. My birds have again taken the highest awards at the winter shows and are unexcelled in this country.

Louis B. Schram,      60 Hamilton Avenue,      Brooklyn, N. Y.

## PRUDHOMME'S CAMPINES

Are everlasting layers of large, white eggs. My Campines or their eggs were prize winners at Frederick, Hagerstown, York, Allentown, Washington, Baltimore, Philadelphia and New York. Why I breed Campines, why you or your boys or girls should breed Campines. My booklet tells you; it is free, send for it.

DR. J. H. PRUDHOMME      DESK P      THURMONT, MD.

## URBAN FARM CHAMPIONS

We will spare a limited number of settings from our prize winning Black Langshans, White Rocks, S. C. Mottled Anconas, Silver and Golden Campines, Black Tailed Japanese Bantams at Boston Show, 1913. Three varieties shown, our entries won eight firsts, four seconds, two thirds, one fourth, two fifths. Of 34 birds shown, 29 were under the ribbons. Mating list for 1913 on application. Correspondents please write their name and address plainly.

URBAN FARMS,      PINE RIDGE,      BUFFALO, N. Y.

## White Indian Runner Ducks

Fishel strain direct—The great snow white egg producers, and as to their fancy qualities, they won at Chicago, Dec. 12, 1912, as follows: 1st duck; 3d and 4th drake; 1st pen. At Milwaukee, Jan. 1, 1913, won 1st, 2d and 3d duck; 1st and 2d drake; 1st trio. At Minneapolis, Jan. 7, 1913, won 1st pen. At Indianapolis, Jan. 11, 1913, won 2d and 3d duck; 1st pen. I have five breeding pens mated by Judge Hackett who pronounced them of superb quality. Pen No. 1, my special mating, contains unsurpassed quality, every bird in this mating having been a blue ribbon winner at one of the above named shows. Eggs from this pen, \$10.00 per setting of 11 eggs. Pens 2, 3, 4 and 5 contain selected breeders, among which are my second, third and fourth prize winners. Eggs from these four pens, \$3.00 per 11, \$5.00 per 25. Write for special prices on lots of 100 eggs or more.

EDW. M. LONGMORE, SOMERS, WIS.



"Cozy, practical, perfect."

## We Have a Big Proposition for You

If you want a portable house for keeping a few chickens on your back lot, or if you want a number of colony houses, do not fail to write for circulars and prices on the most practical Portable House made. Many Styles and Sizes. Shipments made from coast to coast and every customer a pleased one. We get many letters telling us how well our houses please, and others re-order right along. Prices range from \$9.00 to \$50.00. Also breeders of Silver Spangled Hamburgs and Black Orpingtons. Write for prices and mention A. P. J.

The Lytle Lumber Co.  
Deshler, Ohio



### HOW A WISE FARMER GOT THE BEST OF THE RAIN.

"Don't this rain break the record," remarked Seth Morgan, pulling up his team by the gate, where his new neighbor, Joe French, was sitting. "I'm afraid your roofs aren't standing it very well. I knew before you bought this place it was too damp to live in during the rainy season. I noticed you did something to your roof when you first came, but my wife says that if it still leaks like it used to you'd better move over to our house for a few days, till your house dries out."

"Well, now, that's mighty thoughtful of you," said Joe, "but the fact is, not a drop of water has found its way into the house or the barns, either."

"I knew the roof was like a sieve when I bought the house, but I also knew the value of Genasco Ready Roofing, and I wasn't going to let the roof stand in the way of the house I wanted when I realized that it could be put in better shape than it had ever been, and at a nominal cost. I got some Genasco down at Jim

Wetherill's store and laid it myself. It was surprising how easily I did the work. Each roll of roofing held a package of patent fasteners, called Kant-Leak Kleets, which made the job still easier to do and took away the danger of nail-hole leaks and spreading seams. I made such a ship-shape job that my wife told me I had missed my calling—I should have been a roofer."

"Well, sir, my house and barns have been dry as a bone, and my family and stock are healthy in consequence. From what I've seen of this roofing on other places I know it will last for years without costing me a cent."

"I'd advise you to write for a copy of the instructive little booklet the Barber Asphalt Paving Company, Philadelphia, gets out, called 'The Good Roof Guide Book.' It's got a lot of valuable pointers in it about roofing in general, and it may save you considerable money and worry when your own roofs begin to go back on you, just as it has done for me."

Mr. F. A. Kaup, the Buff Orpington Specialty breeder of Chicago, Ill., advises that

his 1913 issue of his catalog-mating list has been delayed until February 20th on account of the fact that he waited until he had his entire twenty yards all mated up so he could describe them more accurately. He has been winning consistently at the largest shows in the country and in the past two years alone he has won 75 prizes at Chicago, Indianapolis, Springfield and Birmingham, besides furnishing many first prize winners to customers, his latest feat being winning first and sweepstakes cup for best pen at Springfield, 1913, in a class of fourteen pens. His new catalog, which is now out and which he calls the "Buff Orpington Guide Book for 1913," gives a detailed description of his yards with prices for eggs, chicks and stock. In 1913 Mr. Kaup will prepay all express charges on eggs, chicks and exhibition birds anywhere. Mr. Kaup has gone to considerable expense to produce his "Buff Orpington Guide Book for 1913," as it contains many fine illustrations of his birds by Artist Stahmer, but if you will mention the American Poultry Journal he will mail a copy to you free. Address him F. A. Kaup, Buff Orpington Specialist, Desk One, Chicago, Ill.

## M.F. & H. 200 EGG STRAINS M.F. & H.

WHITE WYANDOTTE



"LADY ROSE"  
RECORD 232 EGGS

S. C. WHITE LEGHORN



"LADY BEATRICE"  
RECORD 240 EGGS

WHITE ROCK



"LADY SHOW YOU"  
RECORD 281 EGGS

WHITE ORPINGTON



"LADY GRACE"  
RECORD 232 EGGS

BARRED ROCK



"LADY VERA"  
RECORD 235 EGGS

BUFF ORPINGTON



"LADY MAY"  
RECORD 219 EGGS

R. C. R. I. RED



"LADY HATTIE"  
RECORD 255 EGGS

S. C. R. I. RED



"LADY AGNES"  
RECORD 236 EGGS

You cannot buy, regardless of price, stock, eggs or baby chicks that will produce the profits that are being produced by Midlothian Strains. Midlothian Farms and Hatchery is today the largest and most profitable poultry plant in this country. We can supply you with:

### EGGS

from trapnested stock with record of 200 eggs or better, 30 cents each  
from trapnested stock with record of 144 to 199 eggs, 20 cents each  
from the same blood lines as trapnested stock, 10 cents each

### STOCK

Pullets from trapnested stock with records of 144 eggs and up, at \$2, \$3, \$4 and \$5  
Hens with individual records of 144 eggs and up, at \$6, \$8, \$10 and \$12 each  
Hens from trapnested stock without individual records at \$3 and \$4 each  
Cockerels from trapnested stock with records of 144 eggs and up, at \$4, \$6, \$8 and \$10 each  
Cocks from trapnested stock with records of 144 eggs and up, at \$5, \$8, \$10, \$12 and \$15 each

### BABY CHICKS

from trapnested stock with records of 200 eggs or better, 50 cents each  
from trapnested stock with records of 144 to 199 eggs, 35 cents each  
from the same blood lines as trapnested stock, 20 cents each

We are now booking orders for eggs and baby chicks. Booking your order now assures the delivery of eggs and baby chicks when you desire them. You may send us your order, enclosing \$5 as a deposit, and send the balance five days before your order is to be shipped. Book your order now. Write for catalogue. 800 pullets trap-nested annually.

**Midlothian Farms & Hatchery**

John G. Poorman  
Manager

**R. 5, Tinley Park, Illinois**



### GUARDING AGAINST "MISHAPS" IN HATCHING CHICKS.

It is a regrettable fact that the larger part of the failure in hatching chicks might be avoided. The "accidents" and "bad luck" arise from wrong conditions. Not only heat, fresh air and moisture are required, but there is a certain definite relation between them that must be observed. Failure to observe this relation inevitably results in failure or partial failure of the hatch.

The great difficulty is that poultry raisers do not have the knowledge and the skill in themselves to determine and apply these conditions correctly. It is right here that one incubator, the Mandy Lee, comes in and fills a long-felt want. The Mandy Lee is the one incubator which measures moisture as it measures heat. Heat, moisture and fresh air are regulated and adapted to each other. And the beauty of it is, all this is done automatically.

The Mandy Lee Incubator is manufactured by the Geo. H. Lee Company of Omaha, Neb. It is justly one of the most popular of all the incubators, because op-

erators do not need to depend upon their own judgment. They depend upon the incubator. The Mandy Lee is known as "the incubator that hatches by rule." If you prefer to hatch chicks by following plain rules rather than by trusting to your own judgment of "conditions," write to the Geo. H. Lee Co. of Omaha for the 1913 Mandy Lee catalog.

### SCHENLEY HEIGHTS POULTRY YARDS.

Mr. C. F. Rankin, owner of the Schenley Heights Poultry Yards, and whose address is 315 Fourth avenue, Pittsburg, Pa., has brought together a line of S. C. Reds that have won him glory and fame the past few years. We first met this line at the Cleveland, Ohio, Show, January, 1912, where his pen won first prize and specials. It was a wonderful pen in the best of condition and as seen there was, to our mind, capable of winning highest honors at any show.

This year at Philadelphia, December, 1912, they again loomed up strong with improved quality, winning in a class of

123 birds and one of the best ever brought together: Hen, 1st; cockerel, 1st, pullet, 2d and 3d; pen, 1st. His winning cockerel was awarded a medal for best cockerel in the American class and cup for best cockerel at the show—the show sweepstakes special with all cockerels competing.

At Cleveland, Ohio, January, 1913, with a beauty collection, he made a phenomenal record of winning: Cock, 1st; hen, 1st and 3d; cockerel, 1st; pullet, 1st and 2d; pen, 1st, and all specials. Here again his winning cockerel won the sweepstakes special for best bird in the show.

Mr. Rankin has made a few very select matings, from which he will sell eggs for hatching. Write him your wants and for his mating list, for if you want quality Reds it will interest you. Note his ad in this issue and mention the American Poultry Journal.—H. P. Schwab.

J. T. Adair, Millersburg, Ky., won at Cincinnati on his Single Comb Black Orpingtons: Cock, 3; cockerel, 2-4; hen, 2-5; pullet, 1-3-5; pen, 1-3; silver cup for best display. Mr. Adair has won at the best shows this season.

## M.F. & H. FEATHER BROODER M.F. & H.



TWO-COMPARTMENT 150-CHICK CAPACITY

## Fellow Poultrymen

Your Success, Like Ours, Depends Entirely  
Upon the Stock We Raise

Regarding our Feather Brooders, will state that they are entirely responsible for the great success of our farms. We have used the leading makes of oil brooders, also hot water brooder systems, and have found in them only partial success. They meet requirements for a certain part of the year, but are not adapted to all conditions that prevail throughout the brooding season.

In the Fall of 1911 we disposed of all these different makes and systems, and since then have raised all chicks under feathers, and have raised all our chicks at all the times of the year successfully. Since using feathers, we would not use anything else as a gift.

Your success, like ours, depends upon raising stock, and if chicks have a poor start, they never will develop into strong, healthy birds as chicks raised under ideal conditions. We find in our brooders perfect ventilation and all conditions similar to the hen raised chicks.

In my twelve years' experience on some of the largest farms throughout the country, I have never in all this time seen raised a greater percentage of chicks than I have seen during the season of 1912 on Midlothian Farms; have never seen healthier chicks, nor had pullets laying earlier than the chicks we raised under the feathers.

We do not claim this brooder an outdoor brooder before June 1st. It must be operated in a room where there is a floor temperature of 60 degrees during the day time. The temperature can fall to 40 degrees during the night and the chicks will be perfectly comfortable. Of the 10,000 chicks we raised last year, not one case of White Diarrhoea developed.

We are perfectly willing to send you a brooder and all that we ask is that you follow instructions. These instructions are more simple than any that accompanies other makes of brooders. If you do not find a decided increase in the growth of chicks and other conditions as herein represented, you are at liberty to return the brooder and we will refund the purchase price.

Prices—Double Compartment Brooder, 150-Chick Size, \$15; Single Compartment Brooder, 75-Chick Size, \$9

Write for M. & F. H. Feather Brooder Circular

NOTE—It is our desire to establish agencies throughout the country, and we would appreciate the name of your local poultry supply dealer.

Designed and used by M. F. & H. Manufactured by Perfection Feather Brooder Co.

Midlothian Farms & Hatchery

John G. Poorman  
Manager

R. 5, Tinley Park, Illinois



# HIGH- GRADE REDS

## EVERY BREEEER SIRE BY A CHAMPION COCK

Baby chicks, eggs, cocks, cockerels at very  
Low prices. Send for Red Book.

Red Ranch, South Haven, Michigan

## Baby Chicks

**Crystal White Strain.** The better bred chicks. Healthy  
stock bred for heavy egg production. S. C. W. Leghorns, White and  
Buff Plymouth Rocks, R. I. Reds, \$10 to \$20 per 100 chicks. Safe ar-  
rival and satisfaction guaranteed.

Crystal Hatchery, Box A, Frenchtown, New Jersey

## Owen's Silver Wyandottes

We won first prize on cockerel and also first on pullet at the Cleveland show in January.  
Our first prize cockerel was claimed by the judges to be the best shown this year. Stock  
and eggs for sale. Write just what you want and we will be pleased to quote you prices.

R. D. OWEN :: :: :: CRESTON, OHIO

## H. E. BUKER'S PRIZE WINNING BLACK, BUFF & WHITE ORPINGTONS


Grand matings, every pen headed by a prize winner and mated to the best type females  
that ever grew. All fine in head points and grand in their respective color. Limited num-  
ber of settings at \$5 per 15 eggs. Two Black Orpington Cockerels winners of first and second  
and first and third prize at two fine shows. Price reasonable.


H. E. BUKER (Attorney at Law) :: :: ZANESVILLE, OHIO

## VASS ORPINGTONS AND SILVER CAMPINES

I can give you bargains in Buff, Black and White Orpingtons in single, pairs and pens. I  
have the best this season I ever owned and will assure you better value than ever before,  
and fair treatment in all cases. They have show records: Silver Campines, best English  
and American bred. We have birds in your yards from Capt. Max Debathe of England;  
also Kennedy and other leading strains. Birds are large, well marked and great laying  
strain of large, white eggs. You can not make any mistake in taking up this beautiful  
fowl. They are the rich man's hobby and poor man's friend. Am booking egg orders now.  
Write for prices; booklet free.

C. E. VASS :: :: WASHINGTON, N. J.

 <p>OUR TYPE</p>	<p>MATING LIST</p> <p>EGGS FOR HATCHING</p> <h3>Single Comb Rhode Island Reds</h3> <p>Lakeview Poultry Farm - Deerfield, Ill.</p>
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## The Gillette Poultry Feeder

The machine that will make the feeding of your poultry simple and easy. It will feed any kind of grain—whole, cracked or mixed, better than the expert. The poultryman who neglects to get a Gillette Poultry Feeder deprives himself of the only really efficient method of feeding poultry. It saves a large portion of your grain and time, increases the vitality and productiveness of your stock. The only ball bearing machine on the market. Absolutely the only machine in the world that feeds BABY CHICKS as well as grown birds. You really get two machines for the price of one when you buy the Gillette. ORDER TODAY. One size, one-half bushel capacity, price \$2.50. Your name and address will bring our circular. Manufactured and for sale by

**Fred W. Morse Co. -:- Providence, Rhode Island**



Yours very truly, T. K. Collins.  
Eggs for hatching, from the best matings that I have ever had, \$5 per 15; \$15 per 50;  
\$25 per 100. Eggs from other choice matings, \$2 per 15; \$5 per 45; \$10 per 100; \$18 per  
200; \$40 per 500; \$75 per 1,000. My egg catalog is free. May I mail you a copy?  
J. T. Thompson, Hope, Ind.

For twelve years Thompson's White Plymouth Rocks have won  
high honors at many of our largest shows, and they are also  
splendid layers. I have hundreds of choice birds for sale, at  
very reasonable prices, that were raised on free range, as our  
poultry farm contains eighty acres. What better proof can I  
give as to the high quality of my White Rocks than testimonials  
like those printed below?

Mr. J. T. Thompson.

Storrs, Conn., Feb. 3, 1913.

Dear Sir: The White Plymouth Rock eggs which I bought  
of you last October were satisfactory in every respect. Eighty-  
one out of the 100 were fertile and out of these I got 52 of  
the strongest and best chicks that I have ever seen, and it gives  
me pleasure to tell you so. Sincerely, Albert Horton, Poultry  
Dept., Connecticut Agricultural College.

Lower Hutt, Wellington, New Zealand, May 20, 1912.

Mr. J. T. Thompson.

Dear Sir: I must thank you very much for the splendid  
White Rocks that you shipped me. Never before have I  
received, or seen better value sent out from a breeder's yard.  
Such a mating will surely throw some wonderful stock. The  
cockerel, I must say, is an exceptionally good one; he is a  
perfect stud bird, possessing all of those valuable breeding points,  
and was as strong and vigorous after his three months' trip  
as the day he left. Again thanking you for a straight deal,

## THE CHICK BOX THAT IS A FIRE- LESS BROODER.

When baby chicks are received more or  
less time elapses until they can be cared for.  
To add to the many tribulations of the  
poultryman, ordinarily when the so-called  
"chick box" is opened, the recipient begins  
to count the live chicks—and the dead  
chicks. The chances are that each of the  
four corners contains a dead chick that has  
been crowded in the corner and trampled  
on by their neighbors that have remained  
more vigorous because they haven't been in  
contact with the two cold sides of the box.

Both of these live chick problems are  
solved by a package known as the Star-Chic-  
Box, which is manufactured by the Star  
Egg Carrier & Tray Mfg. Co., in Rochester,  
N. Y. The box is unique in its construction.  
All the ventilation openings are broken.  
This means that while a constant change  
of air is admitted, there is no draft and  
the chicks can't get their heads through the  
ventilation holes. The air is warmed upon  
entering, and as the heat from the chicks  
forms a vacuum the air rises and goes out  
through the inner cover. The inside is  
cylindrical-shaped to circumvent the danger  
of the round corners.

Star-Chic-Box constitutes a perfect tem-  
porary fireless brooder in which to keep the  
chicks upon their arrival until they're taken  
care of in the ordinary brooder. The box  
is constructed so durably that it will make  
an innumerable number of trips. Every  
poultryman who ships live chicks will do  
well to write the manufacturers of this box.

## REMARKABLE WINNING.

At the National Meet of the Single-Comb  
White Leghorn Club, held at St. Louis last  
December, Eugene C. Smith, of 317 Galena  
Boulevard, Aurora, Illinois, won first pen,  
second pullet and fourth hen, showing only  
ten birds. He also won Club Special for  
best female head points and Gold Special for  
best display from Illinois.

At the recent Illinois State Meet of the  
National Single-Comb White Leghorn Club,  
held at Aurora during the week of January  
19 to 25, Mr. Smith won third and fourth  
cock; first, second and third hen; first, third  
and fifth cockerel; first, second and fourth  
pullet; and first and second pen—almost a  
clean sweep. He also won the National  
Club Cup for best display and Club Specials  
for best pen, best male, best pullet, best  
hen, best shaped male, best shaped female,  
best head male, best head female, and best  
color female—eleven out of a possible thir-  
teen—and silver cups for best quality dis-  
play in the show and best display in the  
Mediterranean class.

Mr. Smith's booklet for 1913 will be sent  
to those who are interested, by addressing  
him as above.

## OUR LAST CLEAN-UP OF THE SEASON.

At the great Indianapolis show, Febru-  
ary 3 to 7, the greatest show ever held  
in Indiana, we won: Rose Comb—Cock  
1, 2, 3, 4, hen 1, 2, 3, 4, 5; cockerel 1, 2,  
3, 4; pullet 1, 3, 5; pens 1, 2; old 1, 2;  
young first mixed. \$100 Silver Cup for  
best display any variety in the show.  
Single Comb: Cock 2, 4, 5; hen 1, 2, 3;  
cockerel 1, 2, 3; pullet 1, 2; first old pen,  
first mixed pen, and second young pen.  
Silver Cup for best display, also all shape  
and color specials, offered by the Red  
Breeders Club of the World for Rose and  
Single Comb Reds. Send for free mating  
list. We only had five entries that were  
not placed. BUSCHMANN-PIERCE RED  
FARMS, Box 39, Carmel, Ind.

Chas. G. Pape, Ft. Wayne, Ind., the  
well-known Single Comb Black Minorca  
breeder, has just issued his 1913 cata-  
logue. It contains a list of winnings, de-  
scription of matings and attractive prices  
on stock and eggs. Send for a copy today.  
Address Chas. G. Pape, Box 74, Ft.  
Wayne, Ind.

W. R. Shepard, Wellington, O., breeder  
of White Wyandottes, reports that he has  
four special pens mated to produce more  
of those prize winners. All his stock is  
raised on free range and are therefore  
very healthy and vigorous. If you want  
something that will put new life into your  
flock, get into communication with Mr.  
Shepard.

Mr. L. D. Hall, of Seville, Ohio, won  
with his Silver Campines at Columbus,  
Ohio, second pen. Mr. Hall is one who is  
fortunate enough to have enough Campines  
to do a big egg business. His stock is fine.  
He has a few Golden Campines, too. Write  
for mating list.



**WILLARD'S POULTRY FARM.**

Michigan's best Single Comb Buff Orpingtons have been bred and raised on the Willard Poultry Farm at Linden, Mich., for the past seven years. This farm has one of Michigan's largest specialty farms, and when one considers that the first Buff Orpingtons shown at New York was in 1901, it places it among the first to adopt this grand breed. This variety have always held its own, but now is one of the most popular breeds in existence. The Willard Single Comb Buff Orpingtons have a long and honorable show record, winning at Chicago, Detroit, Lansing, Jackson and state fairs repeatedly. Their Old International Champion is a winner of five firsts and was never defeated, winning as a cockerel at Madison Square Garden, Guelph, Toronto, Hamilton and Ottawa. As a cock, he weighs 11½ pounds. He is perfect in size and type, is light golden exhibition buff and is the sire, grand sire and great grand sire to scores of winners. This bird and such birds as first Boston cockerel, second and third cock at Madison Square Garden, together with winning females at Madison Square Garden and Chicago, formed their foundation stock. They also have imported from England many high class specimens. It has been the custom of the Wil-

lard's are pure white and the best type of the true White Orpington. The males that head these pens are all ribbon winners and very white. They are booking orders for eggs to be shipped at once. If you are in the market for some choice birds, you had better write them for full description of their pens. They are also booking orders for baby chicks for spring delivery. They are in position to handle large orders and guarantee safe delivery of them.

**AGAIN VICTORIOUS.**

It will be remembered that Robert Mawer's Rose Comb Reds made a grand winning at Cleveland last year when they sent Mr. Mawer home loaded with ribbons and specials and silver cups enough to stock a jewelry store. At the time of this glorious victory, Mr. Mawer was living on a farm near Deshler, Ohio, but he sold his farm some time last season and moved to Perrysburg, Ohio. He is getting fixed up there most beautifully and has a fine residence, and when he gets through will have a very fine poultry farm. For years he has furnished show birds for our best shows, and if any one in the Rhode Island Red business knows how to mate Reds to produce rich red and grand type, it is Mr. Mawer. Breeders from all over the Middle West

in the fancy business. Among our successful advertisers was G. W. Leasure, winning all the firsts with his R. C. White Minorcas and fifth on R. C. Red pullet. Sheffield Farms, Buckeye Poultry Farm, R. I. Armstrong won first S. C. Red cockerel. G. W. Leasure, Zanesville, won third S. C. White Orpington pullet. Add Columbus to your list of shows next year.—H. H. Coburn.

Mr. Geo. H. Herrick of Durand, Mich., always a winner at the great Chicago and Detroit shows, as well as at other good shows, and the class of Black Orpingtons shown at Chicago was the warmest class ever exhibited. Mr. Herrick neglected getting his birds ready soon enough and his cockerels showed a decided lack of maturity, but he won 2 cock and 4, and 5, cockerel. The writer saw some cockerels, and the other two he exhibited at Detroit, and the intervening time between the shows, made a most remarkable change. They won 1, 2, 3, 4, hands down, cock first, pullet first, pen first. These remarkable winnings were made January 7-14, 1913.

**IMPROVED CAMPINES**

Best Silvers of English and American strains. Eggs, \$4 per 15; \$7 per 30. Circulars. Robt. D. Clemans, Mechanicsburg, Ohio.

**CHICKS**

Hill Hatchery. "Healthy Hatched Chicks." S. C. White Leghorns, 12½c; S. C. Black Minorcas, 15c; Barred Plymouth Rocks, 15c; Rhode Island Reds, 20c; White Wyandottes, 20c; White Orpingtons, 50c. Hatching eggs. Thirteen years' experience. Correspondence solicited. L. V. Hill, 296 N. 10th St., Newark, N. J.

**Baby Chicks and Ducklings**

We ship chicks and ducklings, and guarantee safe arrival to your express office. Barred or White Rocks, Brown or White Leghorns, R. I. Reds, Buff Orpingtons, Pekin and Indian Runner Ducklings.



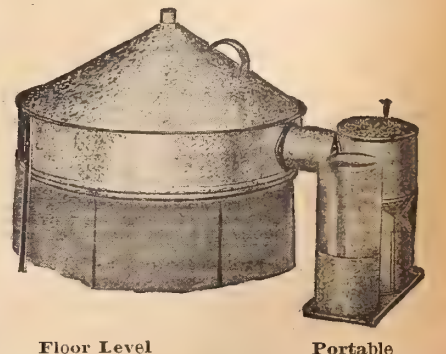
Price, 10 to 18 cents each.

Send a 2 cent stamp for illustrated catalog. Sunnyside Poultry Farm, Box A.P., Cromwell, Ind.

**MORE EGGS  
MORE MONEY**

By feeding **CRYS-CO**, a petrified shell and grit combined, containing 92% PURE CARBONATE OF LIME, 1% HARD SHARP SILICATE GRIT. Better than oyster shells, goes one-half again as far, saves buying separate grit. Indorsed by leading breeders in the United States and thousands of poultry raisers. Ask your dealer. Look for trade-mark. Valuable booklet, free. **W. A. NEUSITZ & CO., St. Louis, Mo.**

**Raise Your Chicks  
With An (Elgin Hover) and  
Get Prize Winners**



Blanket on backs, Perfectly Ventilated, Fire-Proof, Removable Curtain, Sanitary, Low Priced, Gas Lamp Bowl, Cool Lamp, Fill lamp bowl without removing or blowing out lamp, Oil outside of lamp box. Send stamp for particulars.

**The Elgin Poultry Supply Co., Elgin, Ill.**



**SINGLE-COMB WHITE LEGHORN PULLET, WINNER AT NATIONAL SINGLE-COMB WHITE LEGHORN CLUB SHOW AT ST. LOUIS, 1912. ALSO CHICAGO, 1912. BRED AND EXHIBITED BY EUGENE C. SMITH, 317 GALENA BOULEVARD, AURORA, ILLINOIS**

Mr. Smith's booklet for 1913, one of the finest ever issued, giving list of matings, etc., will be sent on request.

lards to have Judge Stanfield score their flock from year to year. In 1908 there were 28 cockerels and 68 pullets scoring 90 to 96 points. In 1910, 85 birds scored from 92 to 92¾, 67 from 93 to 93¾, and 32 from 94 to 95½. In 1911, they ran even better, and now they have them still on the gain. They are in a position to give the buying public more for their money than ever before. They are mating 20 very choice pens for the coming egg trade headed by winning males and containing many exhibition females. The price asked for stock and eggs is indeed most reasonable, considering the quality. The Willard Poultry Farm sales, which occur two or three times a year, are very popular and they sell birds that produce winners for all parts of the United States. Write for circular which shows cuts of some noted winners and gives testimonials from satisfied customers. Visitors are always welcome at Willard's Poultry Farm. Write for mating list.—H. H. Coburn.

C. L. Cunningham & Son, Caruthersville, Mo., have been exerting all their efforts this year to have as good stock as any breeder in their pens. They have mated up nine pens for their season's trade and the birds in these pens are as good as can be found anywhere. They

visit his yards and buy winners from him. Don't be misled into thinking he sells all of his good ones, for he keeps the birds that produce the good ones and plenty of their young stock himself. At the Cleveland Show, Jan. 20-25, 1913, he won—1 cock, 4 cockerel, 2, 5 hen; 4 pullet and 2 pen. Club ribbons and best display. Mr. Mawer is decidedly on the square and will give you good value every time you order. Write for mating list.—H. H. Coburn.

**THE COLUMBUS, OHIO POULTRY SHOW.**

The Ohio State Poultry Show held its fourth annual exhibition Jan. 13-18, 1913, and it was in every way a great show and a grand success. The quality of the birds, of which there were 1,200 in competition, was very fine. In fact, these Columbus shows round up more quality than those held in much larger cities. There were 150 birds in the Buff Orpington class. The premiums were promptly paid and many beautiful cups and specials were given. The association is after an up-to-date show building on the State Fair grounds for their next show, which date is fixed for the second full week in January, 1914. The association consists of some of the finest fellows



# FOR SALE

Stock and eggs from winners at Mansfield State Show of Ohio, Columbus and Zanesville, Ohio. I won the \$50.00 Sweepstake Cup and many other specials. I breed on separate farms. White Orpingtons, R. C. White Minorcas, R. C. Reds that are red, Buff Rocks and I. R. Ducks. Write for mating list.

**G. W. LEASURE - ZANESVILLE, OHIO**

## ROSE COMB REDS

Boston and New York Winners—At Boston 1913 won, 1st cockerel; 4th cock and 4th pen, with specials. Last year also won both shape and color specials and special for best R. C. Red female. Fourth Cock at Palace New York Show last month. In type and color as well as in head points, my line is unequalled and have been line bred for years. Write me your wants. I will please you with price and quality. Eggs for hatching: Mating list now ready.

**GEO. W. LITTLE -- 29 Mt. Vernon St. -- BRAINTREE, MASS.**

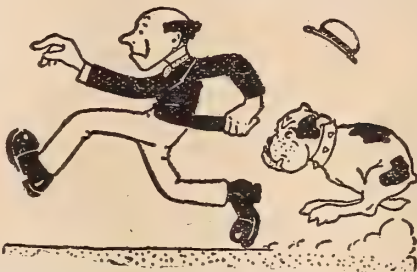
## ARE YOU GETTING AHEAD?

There is no reason why you should go to the dogs in the poultry business, if you start with the right breed and the right strain. The S. C. White Orpington is conceded the best breed in the world, and there is no better strain than the ALTAMONT strain.

We win at all the leading shows, and have never failed in an egg laying contest.

We are getting orders for Stocken eggs from all parts of the country and Canada. Write for catalogue, with show record. Prices cut one-third. We breed White Orpingtons exclusively.

**ALTAMONT POULTRY FARM  
R. R. 5, COLFAX, IOWA**



## EGGS for HATCHING and BABY CHICKS From FOGG'S SINGLE COMB WHITE LEGHORNS

will produce you fine exhibition birds and heavy layers. The breeders this season are the finest lot we have ever mated. Our baby chicks are the kind that LIVE, and eggs for hatching will produce that kind. We guarantee safe arrival of eggs and chicks. Send for mating list now.

**N. V. FOGG -- Box R -- MT. STERLING, KY.**

## "O. K." Poultry Litter

TRADE MARK

## WRITE TO-DAY FOR FREE SAMPLE

"O. K." POULTRY LITTER is the most wonderful litter for BABY CHICKS and POULTRY of all kinds. It's cheaper to use and ever so much better than Straw, Clover, Alfalfa, Sawdust, Shavings, or anything else anyone has ever thought of for litter. Everyone who tries it will use nothing else.

## POSITIVELY NOTHING SO GOOD FOR THE BROODER

In the BROODER one lot of "O. K." Litter lasts until the chicks have outgrown the brooder without one single cleaning out, and always keeps the brooder clean, dry and sweet. In COOPS, LAYING HOUSES and SCRATCHING PENS, "O. K." Litter dries up the droppings so that the house is always dry, clean, sweet-smelling and sanitary, and needs cleaning out only once every three or four months. "O. K." Litter is a tremendous saver of time and money.

"O. K." Litter will not burn. Lice will not come where it is used. TELL US HOW MANY HENS AND CHICKS YOU KEEP—WE WILL TELL YOU HOW MUCH "O. K." LITTER YOU NEED.

Write for free sample and printed matter today. You need it.

**THE O. K. CO.**

Dept. 173, 160 Pearl Street  
NEW YORK CITY



## EVERGOLD BUFF WYANDOTTES.

Rocky Run Farm, Northfield, Ohio, owned by W. G. Marshall, and having Gerald Williams as manager of the poultry interests, specializes in Buff Wyandottes, and the strain is known as the "Evergold" strain. This variety of fowls are enjoying another great boom which they rightly deserve, being among the most profitable and handsome varieties of Wyandottes. We have always favored the Wyandotte comb, both for its looks and for its adaptability for cold climates, and this, combined with correct Wyandotte type, topped off with the Evergold golden buff, the result is most satisfactory. Few pictures could name the breed of chicken served to them, but when one knows he is eating Wyandotte meat, he knows it is the best, and testing it with the meat of other breeds, one can actually distinguish it by its fine grain, and thickness of juicy meat on the back and breast. As layers, Wyandottes are everything desirable when properly cared for, and the Evergold strain of Buffs have established some heavy records, so they shine as trap nest performers as well as in the show room. Some of the latest winnings were at Toledo and Cleveland, Toledo holding the record to the largest class to date, where there were 267 birds competing. The Evergold Buffs won State Championship Cup, 1, 3 hen and 1 cockerel. Special prize for best colored female, and had 19 other birds placed in the largest and best class ever shown. At Cleveland, Jan. 20-25, 1913, they won 2, 4 cock; 1, 5 hen; 3, 4, 5 cockerel; 2, 3 pullet; 1, 2, 3, 5 pen. Color special; shape special; special for best female; best display. Judge Drevenstedt said there was more quality in this class than in New York and Boston combined. The East certainly cannot put anything over on the Evergold Buff Wyandottes. If Rocky Run had exhibited in New York, what would the Evergolts have done to them? Write for circular and look up ad.—H. H. Coburn.

## SILVER AND GOLDEN CAMPINES.

Gensemer Brothers, of Creston, Ohio, were among the wise ones to take up the great Campine craze. They quietly went at it, and imported the best birds that money could buy, paying fabulous sums for individuals and succeeded in raising enough to do business with in the critical moment, and now they are, without question, the largest breeders of Silver and Golden Campines in the United States. They find that the Campine fully meets their expectations both as a fancy breed and as an ideal utility fowl. Campines bid fair to give Her Majesty the Leghorn a run for the money, and that is some proposition, considering they are raised by the thousand where other breeds are raised by the hundred. All they need is men of practical business ability and financial standing, like the Gensemer Brothers to push them, but in reality they can push themselves. Dollars and cents does it in America. Gensemer Brothers are well fixed financially and would necessarily have to be to get hold of a Crystal Palace winner. They imported this bird and fifteen females, descendants of Silver King. These birds are mated in Pen number one this year. Their Golden Campines were bred from an imported pen and are among the best produced. The Golden Campine is more scarce than the Silver variety, but are equally as pretty and are the choice of some people. Gensemer Brothers are mating up 150 birds for the egg trade, and are booked way into July. Of course there are some open dates. One grand thing about the Campines is that July, August and September hatched chicks get there in time for Winter and early Spring laying. They won at Cleveland, January 20-25, 1913 on Golden Campines, 1 pen, 2, 3 cockerel, 2, 4, 5 pullet. On Silvers, 1 cockerel, 3 pullet, 2 pen. The male heading this pen is a Crystal Palace winner. Visitors are always welcome on this farm which is a beautiful place, on the edge of Creston, Ohio. They have many fine buildings and are building more. Write for mating list and mention American Poultry Journal.—H. H. Coburn.

J. B. Greenan, Deckerville, Michigan, won on his White Wyandottes at Port Huron, 1913, 1, 2, cock, 1, hen, 1, 3, cockerel, 2, 4, pullet, 1 pen. Best display and special for best bird in show. His first cock winning the prize. Judge Wise said the Port Huron show was the best in Michigan and the White Wyandotte class was the best he had ever seen. Mr. Greenan's White Wyandottes are second to none. His pens contain the best quality he ever had and that is the best. Write for mating list.



**FRAZIER'S SINGLE COME BUFF ORPINGTONS.**

One of the most up-to-date and finest specialty farms in the Middle West is that of J. S. Frazier, Advance, Ind., breeder of high-class Single Comb Buff Orpingtons. This farm contains 120 acres of gently rolling land-soil perfectly adapted for poultry raising and perfectly drained. Many beautiful shade and fruit trees afford ample shade which does its part toward producing that beautiful, soft, golden buff that characterizes Mr. Frazier's Single Comb Buff Orpingtons. It is needless to state that he raises all of his birds on range and uses both artificial means and good mother hens. The yards running from the breeding pens are very large and always green, thus furnishing plenty of exercise and green food for breeders and insuring strong fertility of eggs. Mr. Frazier has about 900 birds on hand at the present time, and they are very fine, running extremely even in color and buff to the skin, the flock as a whole being practically free from black, bronze, white or any foreign color, and showing grand Orpington type and size. He has mated up ten very choice pens for the egg trade and heading them with prize winners. The pens will also contain many prize winning females that have proven themselves producers of prize winners. Send to Mr. Frazier for a complete list of his winnings and mention American Poultry Journal.—H. H. Coburn.

**BESUDEN'S PARTRIDGE ROCKS.**

Chauncey A. Besuden is the proprietor and owner of a specialty poultry farm that is a real poultry farm, being one of the largest and finest devoted to the fancy poultry business, exclusively, in Ohio. This great Specialty Partridge Plymouth Rock Farm is located a few miles out of Cincinnati. The buildings are exceptionally fine and built after the most advanced plans and are equipped with every modern appliance in the way of feeders, fountains and sanitary nests. Mr. Besuden uses a great many colony houses of both the single and double type. There are also ten cockerel houses on this farm. The original stock was purchased from the originator of Partridge Plymouth Rocks, Mr. S. A. Nottzger. His strain is known as the "Puritan" strain, and, like our Puritan ancestors, they possess the same vigorous and sterling qualities. He has mated up many grand pens for the large egg trade this season, and is in a position to supply the wants of every one who is desirous of starting a flock of Partridge Plymouth Rocks. Send for a catalogue which gives the prices and list of prizes won.—H. H. Coburn.

Mr. G. W. Leasure of Zanesville, Ohio, successfully handles three varieties of fancy poultry, Single Comb White Orpingtons, Rose Comb White Minorcas, and Rose Comb Rhode Island Reds. He raises them mostly on separate farms and culls closely in Fall, bringing only the best to his place at Zanesville. In White Orpingtons he has some

of the best in the country and has furnished winners for such shows as Indianapolis. He is all sold out of stock and has had to return many dollars to prospective buyers. He is one of the foremost breeders of Rose Comb White Minorcas which breed possesses all the good points that the other varieties of Minorcas have, and as layers can go them one better. A fancier living in Ohio and not breeding Reds, would be unpopular, so last but not least, Mr. Leasure has some Rose Comb Reds that are Red and the females have some phenomenal egg records as well as honorable show records. Write for his mating list and mention American Poultry Journal.

**THE INDIANAPOLIS SHOW.**

The Fanciers' Association of Indiana held its thirteenth annual show Feb. 3-7, 1913, and, as ever, was a grand success both in quality and the number of birds exhibited, and also financially. There was a large exhibit of dogs and pigeons also. There were many fine cups given and the ribbons were up promptly. The president of the association is U. R. Fisel, Hope, Ind.; vice-presidents, C. L. Buschmann, Indianapolis, Ind.; H. Bradshaw, Lebanon, Ind.; M. J. Niblack, Vincennes, Ind.; G. Ropp, Columbus, Ind.; W. D. Hoover, Taylorville, Ill.; Frank P. Johnson, treasurer; C. R. Millers, secretary; Alec Chambers, assistant secretary. Superintendent of poultry, E. B. Murphy, Carmel, Ind. The poultry judges were: W. C. Pierce, Percy Cook,

A. F. Kummer, Chas. McClave. Dogs—John Bradshaw. Pigeons—Geo. Ewald. Fisel's noted dog, Frank, was one of the attractions, people coming for miles to see him the one day he was on exhibition. This is one of America's greatest quality shows and the competition is interestingly keen.—H. H. Coburn.

**TO WHOM IT MAY CONCERN.**

One of the most important transfers of noted winners was the sale of the Rocky River Poultry Co., of Deerfield, Ill., to the Lily White Poultry Yards, of Lincoln, Ill.

This sale includes all of the prize winning Rose Comb White Leghorns, as well as the good will of the Rocky River Poultry Co. Headquarters for the "Famous Phillips Strain" will hereafter be at Lincoln, Ill.

Hoping you will give my successor the same patronage you gave us, I am,

Yours truly,

FRED J. PHILLIPS.

Deerfield, Ill., Feb. 7th, 1913.

**TO WHOM IT MAY CONCERN:**

This is to Certify that we have this day sold to the Lily White Poultry Yards, of Lincoln, Illinois, our stock of Rose Comb White Leghorns, which includes all of our Prize Winners from our famous yards, together with the goodwill of the Rocky River Poultry Company.

ROCKY RIVER POULTRY COMPANY.

By Fred J. Phillips,

President.

**THE WESTERN UNION TELEGRAPH COMPANY**

25,000 OFFICES IN AMERICA.

INCORPORATED

CABLE SERVICE TO ALL THE WORLD

THEO. N. VAIL, PRESIDENT

BELVIDERE BROOKS, GENERAL MANAGER

RECEIVER'S NO.		CHECK
One	8.15 A. M.	41 Collect.

SEND the following message subject to the terms on back hereof, which are hereby agreed to } Eaton, Ohio. February 15th. 1913

To Reliable Poultry Specialty Co.

Alexander, N.Y.

First hatch 1913 off. Same old story. Big

strong chick every good egg. Not a single "dead

in the shell". Your Ajax Improved Ozygen Vitalizer

means a Million Dollars to the Poultry Industry.

Ora Overholser, Secretary

Preble County Poultry Association.

On Feb. 15, 1913, the above telegram was received by the Reliable Poultry Specialty Co., of Alexander, N. Y., manufacturers of the Ajax Improved Ozygen Vitalizer.

Further comment by us is unnecessary. Their full page ad. will be found elsewhere in this issue.

DO YOU WANT DAY-OLD CHICKS? SEE AD O PAGE 541

**WHITE ORPINGTONS**

Grand young and old stock fit for any breeding pens and at prices you can afford to pay. They are bred direct from my Chicago winners of the last three years. My pens are now mated and I have two that will interest any breeder in the country. Be sure to get my mating list before you book your hatching eggs. My winning of the big Silver Cup for the best display at Chicago, December, 1911, besides 1st pullet, 2d cockerel, 3d hen and 5th cock the year before, is ample proof of the quality of my stock.

Dr. Guy Blencoe, Vice-President Am. Alma Center, Wisconsin

**Norwich Automatic Exercisers and Feeders**

Installed in all of your breeding pens this Winter, will keep your breeders hustling from morning till night, and will compel them to lay more eggs, and stronger eggs, eggs that will hatch more livable chicks than ever before. They will cut your feed bills at least 25 per cent, and reduce your labor bills to merely filling the hoppers once a week. "The chickens will do the rest." They are all sold on thirty days' free trial, by responsible dealers everywhere, or shipped direct from Toledo, Ohio. Write today for free booklet describing them, and the name of your nearest dealer. Notice to Poultry Supply Dealers—We still have some choice territory open, and would like to hear from wide-awake dealers. Exclusive sale given to the right parties. Address

River Home Poultry Yards : 820 Monroe Street : Toledo, Ohio  
BREEDERS OF EXHIBITION QUALITY "LIGHT BRAHMAS" EXCLUSIVELY



**S. C. WHITE ORPINGTONS**

Canada's Best. Second to none in the World. Winners at the leading Canadian shows, also Madison Square, N. Y., 1913. Matings the best I ever yarded. Stock for sale. Prices reasonable. Send for illustrated catalogue. Wm. Moore, Munroe St., Hamilton, Ont., Can.

**GREENAN'S WHITE WYANDOTTES**

At Pt. Huron 1913—America's Quality Show. Won everything in sight, first and second cock; first hen; first cockerel 1911-1912-1913; first pen 1913; best display 1912-1913. Send for my mating list and see who has the winning kind. Fine breeding males \$5.00 to \$10.00. Book your egg orders now. **J. B. GREENAN, DECKERVILLE, MICH.**

**SILVER WYANDOTTES**

Ohio's Blue Ribbon Winners. They still lead as winners. At Cleveland with four entries won 1st pen, 1st and 2d hen and 2d pullet. Get your egg orders in early. A few breeders yet to dispose of. **G. F. STEWART, COSHOCTON, OHIO.**



**Our Vigorous, Free Range, Bred-to-Lay  
S. C. White Leghorns**

Are the kind you have been looking for. Eggs for hatching, \$1 per 15, \$5 per 100, \$45 per 1000. Chicks, big, vigorous, healthy fellows that will live and grow; March \$3.25 per 25, \$13 per 100, \$120 per 1000; April and May, \$2.50 per 25, \$10 per 100, \$85 per 1000. A few choice vigorous cockerels at \$1.50 and \$2 each. Catalogue free.

The Elliott Poultry Farm, R. No. 7, Mansfield, Ohio

**America's Best Wyandottes**

Golden, Silver and Whites—Winners of over 300 premiums at Madison Square Garden alone, and they won 4 firsts and other premiums and \$100 cup at this great show this year. They have won thousands of premiums at the leading shows, including Chicago, St. Louis, Buffalo, Boston, Philadelphia, Cincinnati, Cleveland and Columbus. We have a large stock of birds on hand and to move them quickly we will let them go at much reduced prices. Hundreds of grand cockerels and cock birds and plenty of fine females, either the finest exhibition birds or fancy breeders or utility flocks. Our matings were never so fine and contains over 300 winners. Mating list and large finely illustrated circular, showing 50 of our winners, free. Also Golden Seabright Bantams and collie pups.

**Ira C. Keller -- Brookside Farms -- Box 75, Prospect, Ohio**

**WOLFRUM'S S. C. WHITE LEGHORNS**

Won at Cleveland Great Fanciers Club Show, January, 1913, 1st cock, 1-2-5 hens, 1st ckrl, 1st pullet, 1st pen and best display on 10 entries. Never defeated in show room, bred from 196 to 238 egg hens, for fine combs, long backs, low tails, and blue-white plumage. Your name brings our egg matings.

George W. Wolfrum, Box 392, Carey, Ohio

**My Columbian Wyandottes Win Again**

CHICAGO, 1st cock, 1st hen, 1st and 2d cockerel, 1st, 3d and 4th pullet, 1st pen, 1st display.  
MINNEAPOLIS, 1st, 2d and 3d cockerel, 1st, 2d and 3d pullet, 1st and 3d hen, 4th and 5th cock, 1st pen, 1st display.  
ST. PAUL, 1st and 2d cock, 2d, 3d and 4th hen, 3d, 4th and 5th cockerel, 5th pullet, 1st pen.

**GEO. A. KERSTEN -- WASHBURN PARK -- MINNEAPOLIS, MINN.**

**Brinkley's White Ply. Rocks**

"The Great Armory Show," 1912, Louisville—Brinkley's White Plymouth Rocks won more 1st and 2d prizes than all competitors combined. More special prizes were awarded Brinkley's White Plymouth Rocks than all competitors combined.

"Jacksonville, Fla.," 1913—They were all there. The very best of them were there. Birds of the "Best in the World" strains and Owen Farms, also many other winning strains. Brinkley's White Plymouth Rocks made the greatest victory of the season, winning 1st and 2d cocks, A. P. A. medal for best male in the American class, 1st and 2d hens, silver cup for the best hen in the show, gold leg band for the best female in the American class, gold special for the whitest bird in the show, 1st and 2d cockerels, 3d and 4th hens, 3d prize pen.

**The Best in the South**

All these winners are mated in our 1913 grand matings. All regular matings, \$5.00 per 15. Special matings, \$10.00 and \$15.00 per 15. Utility eggs, \$10.00 per 100. Send stamp for beautiful mating list.

**W. J. BRINKLEY -- Box A -- IUKA, MISSISSIPPI**

**N. V. FOGG, MT. STERLING, KY.**

One of the largest and finest poultry farms in the South is that of N. V. Fogg, at Mt. Sterling, Ky. This farm consists of eighty-three acres, twenty acres of which are devoted entirely to his Single Comb White Leghorns, and the many fine buildings, and is situated on a high, sandy ridge, making the location one of the finest in the South. There is a never failing spring of the purest water on this farm from which water is pumped by a gasoline engine to his fine residence, and to all the buildings, including poultry buildings. Besides Single Comb White Leghorns of superior quality, Mr. Fogg's hobby is sanitary conditions and healthy stock, and the writer never saw cleaner or more convenient buildings. There are two houses, 12x50 feet and eight three-colony houses. The brooder house is 16x110 feet with a capacity of 3,300 chicks. Another 600-egg machine having been added since last year. In the year 1911, Mr. Fogg hatched eight thousand chicks and shipped thirty thousand eggs. In the year 1912, he increased the chicks to 10,000 and shipped 38,000 eggs. His Leghorns are winning all over the country in the hands of purchasers of stock and eggs, although he does not exhibit much himself, being so well established, he finds it unnecessary. He sells birds guaranteed to win in any show room and eggs to hatch winners. He does not put a price on his best birds, but furnishes a limited number of settings from them. He



**WHITE PLY. ROCK.**

The above is reproduced from an untouched photo of "Husky Jack," a 10-lb. 96-point cockerel that won at the Illinois State Fair, Quincy, Ill., and the Illinois State Show, Springfield, Ill.; bred and owned by Chas. A. Simmonds, Camp Point, Ill.

has never sold a bird guaranteed to win but what made good and backed his guarantee. Every bird in his breeding pens have been raised on range, and will produce chicks that will live. All baby chicks shipped are guaranteed and arrive in first-class condition (barring railroad wrecks, of course). Mr. Fogg has been breeding Single Comb White Leghorns for the past 11 years and has shipped thousands and thousands of baby chicks and has hundreds of testimonials from satisfied customers for stock, chicks and eggs. He has mated up eight hundred birds for this year's business, and it is a sight to see them singing, bustling and waiting for a turn on the nests. His White Leghorns are indeed white and of the modern type, longer backs and lower tails; head points excellent; five-point combs galore. Mr. and Mrs. Fogg are delighted to receive and entertain visitors, and if they telephone Mr. Fogg will meet them with a conveyance at Mt. Sterling. Write for a catalogue and mating list.—H. H. Coburn.

The Ideal Automatic Feeder and Exerciser and Dry Mash Feeder manufactured by the Miller Anchor Co., Norwalk, Ohio, have features of their own that are not found in any other make. The Ideal Automatic Feeder and Exerciser comes in twelve and twenty quart sizes with sparrow and rain guards. At the late Madison Square Garden Show this company sold one hundred and eighty. They advertise for good live agents to handle it.



**DR. GUY BLENCOE.**

Dr. Guy Blencoe, Alma Centre, Wis., has one of the finest up-to-date poultry farms in the Middle West. His farm consists of about five acres and his buildings are piped with city water. The doctor took up the S. C. White Orpington some six or seven years ago, and it is doubtful if there are any strains superior to his. He recently imported one of the finest and whitest heavy shanked cockerels we ever saw. He is a wonder and will produce some eye-openers. He also grabbed off the second prize, Crystal Palace (England) hen. This hen is a marvel and is without doubt, the finest in America. She is dead white, and type perfection in itself. This of course would be necessary to win at Crystal Palace. These two imported birds are mated in one special pen. The cockerel that the Doctor exhibited last year at Chicago, and that was conceded by the breeders and judges who know quality when they see it, regardless of the color of the ribbon, to be the best cockerel at the show, has molted out very white and heads one of the choicest pens. He is mated to dead white hens weighing 10½ lbs., and pullets in laying condition weighing 8½ lbs. You should see 'em! The Doctor furnished winners this season for about every show of importance in the Middle West, and by December 1st was sold down to immature stock except twelve birds that money cannot buy, for they form the nucleus of his choicest breeding pens, of which he has six. It is a solemn fact that nearly every pullet and hen in show condition went. He made shipments from Vancouver, B. C., to New Hampshire, and from Minnesota to New Mexico. Those immature birds are developed now and ready for the show room or the breeding pen. He has cockerels for sale weighing 11 pounds, and of fine type and not a trace of brass. For the past five years the Doctor has been breeding a line on the side to eliminate brassiness, and now has them without a suggestion of brassiness. Every setting of eggs booked before March first entitles the purchaser to 18 eggs, instead of 15 per setting when delivery is made. This includes eggs from his special pens, too. December, 1911, the Blencoe White Orpington now at Chicago, first, pullet; second, cockerel (which if it had been a few weeks older would have taken first hands down); third, hen; fifth, cock. Big silver cup for best exhibit. This article is, indeed, a poor attempt at describing the quality that the Doctor actually has. Write

to him and get more definite information direct from him. Look up his ad., and send for mating list. It is a fine one.

H. H. Coburn.

**J. C. FISHEL & SON'S MATINGS.**

J. C. Fishel & Son, Hope, Ind., are mating the finest pens of White Wyandottes ever mated by them, if you can conceive of such quality, as their meetings of previous years were as near perfect as they make 'em, "in the White Wyandotte business." They are mating up twenty pens, and the price asked for settings is \$10 straight from each and every pen. Pens 3, 4, 5, 6, 8, 11, 13 and 15 are headed by cock birds. Pens 1, 2, 7, 9, 10, 12, 14, 16, 17, 18, 19 and 20 are headed by cockerels. Cockerel heading Pen 1 was bred from a pair mating, and he is a grand bird in every particular. If you will order eggs direct from this article your dates will be promptly met—and it will enable you to get in on earlier shipments.

H. H. Coburn.

**U. R. FISHEL'S WHITE ROCKS.**

A display pen of The U. R. Fishel's (Hope, Ind.) White Plymouth Rocks were the admiration of all who attended the Great Quality Show held at Indianapolis Feb. 3-7, 1913. Finer White Rocks never saw the inside of a show room—words fail to describe them. Mr. U. R. Fishel mated up 50 pens of his famous White Rocks in November for the egg trade—the finest we ever saw—and started his incubators in the middle of December. Last season he had to return money for 10,000 baby chicks, so properly fortified himself for this year's siege by mating from 1,500 to 2,000 for the baby chick trade. U. R. Fishel, Jr., is a boy six years old, and a member of the A. P. A. He won on White Cochins bantams at Indianapolis February 3-7-13, first cock; special for best cock; second, hen; third and fifth, cockerel; one pullet, one pen; special for best cockerel pen; cock special and special for whitest bantam in the show. Mrs. U. R. Fishel's White Indian Runner Ducks won at Indianapolis; first-third, cock; first-second, hen; first-second, cockerel; third-fourth, pullet; first pen; 10 pens mated for egg trade. Last season Mrs. Fishel returned \$600 in orders for stock and eggs in one day.

"Fishel's Frank" was on exhibition one

day at the Indianapolis show and people came for miles to see him and he proved a good ad. for the show. Fishelton is an eye-opener for those who visit there. It cannot be overdrawn in description.

H. H. Coburn.

**THE ZANESVILLE, OHIO SHOW.**

The sixth annual show held by the Zanesville Fanciers' Association was held in the Armory Memorial building, Jan. 29-Feb. 1, 1913, and was more than ever a success. The association consists of progressive, live wire men who make whatever they undertake a success. The president is H. G. Peach; vice-president, T. W. Rice; secretary, Frank C. Chester; treasurer, G. R. Nichols; superintendent, W. G. Vanderbark. The board of directors are the same men, and L. E. Ballinger, G. W. Leasure, G. C. Lowary, T. W. Rice and S. H. Smith, all of Zanesville. The attendance was large, the entries well filled and the quality fine. The cash premiums were promptly paid. Many beautiful cups were given. The officers filled their respective places to the satisfaction of all concerned. Owing to the death of Judge Lane, H. H. Coburn placed the awards. Every Ohio breeder should plan on Zanesville for next year.—H. H. Coburn.

**WAHEBE BANTAMS.**

The Wahebe Black, White, Buff and Partridge Cochins Bantams made a most wonderful record at two of our greatest shows the past season. At Louisville, Ky., December, 1913, they won on Blacks—1, 2, cock; 1, 2, hen; 1, 2, cockerel, and 1, 2, pen. On Buffs—1, 2, cock; 1, 2, 3, hen; 1, 2, cockerel; 1, 2, pullet; 1st, old pen, and 1st young pen. On Partridge—1, 2, cock; 1, 2, hen; 1, cockerel. On White—1, cock; 1, 2, hen; 1, 2, pullet; silver cup for best display of bantams. At Indianapolis, Jan. 11-17, 1913, every bantam entered received a place as follows: Blacks—1, 2, cock; 1, 2, hen; 1, 2, cockerel; 1, 2, pullet, and 1st, pen. Buff—2, 3, cock; 1, 4, 5, hen; 2, cockerel; 5, pullet; 1st, old pen. Partridge—1, cock; 1, 2, hen; 1, 2, pullet; 1, 2, cockerel. White—1, 2, cock; 1, 2, hen; 1, 2, cockerel; 1, 2, pullet. Silver cup for best display of bantams winning fifteen out of a possible eighteen firsts. The Wahebe Cochins Bantams have the largest show record of any strain.—H. H. Coburn.



SECOND PRIZE WHITE ROCK COCKEREL  
AT BOSTON, JAN. 1913  
BRED AND OWNED BY  
INTERNATIONAL POULTRY SALES COMPANY  
BROWN'S MILLS, N.Y.



S.C. WHITE ORPINGTON HEN  
MADISON SQUARE GARDEN WINNER 1912-1913  
BRED AND OWNED BY  
C.L. PENNSYLVANIA . . . . . BLOOMSBURG, PA.



**R. D. OWENS, CRESTON, OHIO.**

Mr. R. D. Owens is an exclusive breeder of the very best Silver Laced Wyandottes and has given the mating of this breed very much study and put in a lot of work experimenting with special matings, so now has a system established that never fails. He keeps tab on every bird and knows just how it is bred and just what it will produce when mated a certain way. He gets some of the greatest lacing ever produced. It is not how many with Mr. Owen, but how good. His matings are a pleasure to the eye and are even better than last year's. If you want to see for yourself, go and visit him. You will never forget the impression his Laced Wyandotte will make on you. The birds win wherever exhibited. Get in correspondence with him and try some of his Silver Laced Wyandottes or eggs from them.—H. H. Coburn.

**LOW PRICE PLUS HIGH QUALITY.**

Never before since incubators and brooders are so universally in use has so much quality of material, so much carefulness in the construction been offered at such low prices in incubators and brooders as is now being done by the Des Moines Incubator Co., of Des Moines, Iowa. This firm is now entering their nineteenth year of business and is enjoying a greater demand for their incubators, brooders and supplies than ever before. This is no doubt due to their everlasting ambition to retain the good will of their customers by giving more than value received for their money, their very reasonable prices and their wonderfully successful hatchers and artificial mothers. It would prove a good investment for you to send for their 128-page beautifully illustrated catalog, which is full of incubators, brooders and chicken facts. This great book is sent free if you mention name of this paper.

**J. H. McDANELL, WARSAW, KY.**

The fine poultry farm of J. H. McDanell is located one mile out of Warsaw, Ky., and contains 400 acres of bottom land on the Ohio river in the blue grass section. All of his buildings and stock are on the farm and Mr. McDanell lives in Warsaw. He is one of our oldest breeders of the Grand Columbian Wyandottes, as well as being among the pioneer breeders of the beautiful Golden Laced Wyandottes. He is

an acknowledged authority on the mating and breeding of these two varieties and has the finest in the country. His Columbians can beat Light Brahmas in markings and no Golden Laced Wyandottes are laced better than his. They have won all over the country for him and for his customers. Some of his recent winnings are as follows: Chicago, on Golden Laced Wyandottes, cock 2, hen 1, cockerel 1, champion cockerel 3, 4, pullet 1, pen and best display. Colum-



Dr. G. G. Billman,  
Breeder of Houdans, Evansville, Ind.

blans—2 pullet, 3 cockerel, Louisville, Ky., Dec. 23-27, 1912, Golden—1 cock; 1, 2 cockerel, 1 hen, and 2 pullets, Columbians—1 cock; 1, 2 cockerel; 2 hen; 1, 2 pullet; 1 pen. Club cup for best display. Cincinnati, Jan. 23-29, 1913, Golden—1 cock; 1 hen; 1, 2 cockerel; 1 pullet. Cup for best display. Columbians—1 cock; 2, 3

cockerel; 1 pullet, on three entries. Pittsburgh, Pa., Golden—1 cock; championship male; 1 pullet; 3, 4 cockerel; 1 pen. Club cup; \$50 best display; two \$25 silver cups, National Club meeting. Mr. McDanell has mated 11 pens of the best Golden Laced Wyandottes that exist, and containing the above prize winners and others bred the same, and nine pens of very fine Columbians for the coming egg trade. Write for mating list.—H. H. Coburn.

**THE GREAT CLEVELAND SHOW.**

The Eighth Annual Show given by Cleveland Fancier's Club was held Jan. 20-25, 1913, in the Central Armory. It was one of the greatest shows of the season, and as there was a dog show in connection, it made it doubly interesting. The classes in poultry were well filled and the quality was better than ever before, which is putting it pretty strong, as the best birds raised are exhibited yearly at these shows. The Rocks, Rhode Island Reds, Orpingtons, Campines, Leghorns and Wyandottes were especially strong. Judge Drevenstedt said there was more quality in the Buff class than at Boston and New York combined. This association is composed of reliable men of ample financial backing and the premiums are always ready. This association gives the finest trophies of any association, the business men responding most willingly. The officers are: John Zipp, president; Chas. McClave, New London, Ohio, C. A. Otis, Jr., G. E. Conkey, A. G. Clark, vice-presidents; J. T. Conkey, secretary and treasurer; Eugene Sites, general superintendent; John H. Kramer, superintendent of pigeons. The poultry judges were: J. H. Drevenstedt, Clarence King, Thos. Faulkner, Chas. McClave, H. P. Schwab, and Richard Oke. Pigeon judge, Theo Taubert.—H. H. Coburn.

The Wendell Incubator Company, of Holly, Mich., have been advertising in the columns of American Poultry Journal for several years, and during this time have given their customers entire satisfaction and their money's worth in their incubators, brooders, brooder hovers, feeders, feeders and exercisers, non-freezing fountains, oats sprouters, trap nests, grit and shell boxes, etc. This company manufactures all practical and useful articles used on the average poultry farm. Send for their catalogue and secure some of their up-to-date articles.

**CARVER'S RED FARM, Seville, Ohio,****SEE AD ON NEXT TO LAST PAGE****DO YOU WANT EGG?**

Then send for free booklet, "What and How to Feed." -- Simplex Supply House, Pontiac Building, Chicago, Illinois.

**White and Partridge Plymouth Rocks**

Chicago, Milwaukee, Racine 1913 Winners.

We have mated 12 pens of White Rocks and 6 pens of Partridge Rocks for the egg trade. Every pen is carefully selected and will produce birds of type and quality that will satisfy the most fastidious breeder. Remember that the prizes our birds won were won in the strongest competition at Chicago, against such breeds as Owen Farms and Guy Daily. Send 3 red stamps for our handsome new catalog just off the press. It will convince you that we have the goods and sell them at living prices.

**PETER OLLE -- R. F. D. 4, BOX 110 -- RACINE, WISCONSIN**

**ORPINGTON FOWLS AND DUCKS**

Winner at Grand Central Palace

Winners at Madison Square and Grand Central Palace, N. Y. My birds are all descendants from prize winners, and my recent "victories" at these two most prominent shows in America should convince you that I have "quality" that will please you. A few special bargains in trios and pens at this time.

**ON 11 BIRDS SHOWN AT THE PALACE 10 WERE IN THE MONEY  
ON 14 BIRDS SHOWN AT THE GARDEN 7 WERE IN THE MONEY**

These prize winners are all in my yards and are mated for the egg trade. Plenty of grand pens to select from. Superb matings, \$5.00 to \$15.00 per 15. Excellent quality for the price.

**Buff Orpington Ducks**

Madison Square winners. I won 1st pen, 2d young drake, 2d young duck and 3d pen Grand Central Palace. I have as fine a flock of these most wonderful layers and money makers as can be found anywhere. Having a flowing stream insures my duck eggs being fertile. Duck eggs only \$3 to \$5 per 11. Write for prices on Baby Chicks. Catalog and mating list free.

**F. B. CRAWFORD BOX 115-A RAHWAY, NEW JERSEY**

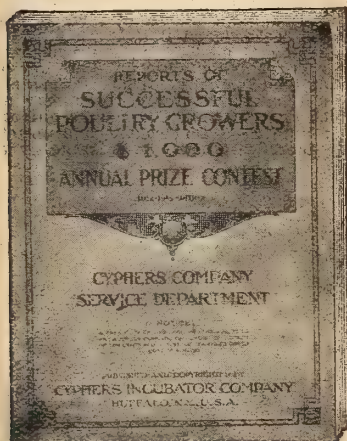


**\$1,000 PRIZE REPORT BOOK.**

The following quotation is from a letter just at hand from Grant M. Curtis, President of Cyphers Incubator Company, Buffalo, N. Y.:

"At last our company has succeeded in publishing a book, the contents of which cannot fail to be of immense practical value to the thousands of men and women who are deeply interested in learning how they, as individuals, can make money in the poultry business, on either a small or large scale, by taking advantage of local opportunities—by improving home conditions.

"Fifteen months ago we offered \$1,000 in cash prizes for reports of actual records of personal success in producing poultry and eggs for sale, either for table use, or to be used as breeders or for hatching purposes. The first prize was \$200, the second prize \$100, the third prize \$50; then there were ten prizes of \$20 each, twenty prizes of \$10 each and fifty prizes of \$5 each—a total of eighty-three cash prizes.



**GET THIS FREE BOOK.**  
Contains 180 pages, 7½x10 inches in size. Many helpful pictures. Gives facts, figures and actual experiences.

"As a result of this offer, more than two hundred bona fide reports were received in competition and now the eighty-three prize-winning reports have been published in a large book of 180 pages—size of pages, 7½x10 inches, and there are many illustrations, including portraits of nine out of ten of the authors themselves.

"These reports are not devoted to big hatches made with incubators or to extra good luck met with in brooding chicks. What they do tell about, and the basis on which the eighty-three cash prizes were awarded, is this: "These prizes are to go to the poultry raisers—men and women—who write us, in their own words, the best and most helpful reports of their individual successes in raising poultry for profit by improving their personal opportunities, by taking advantage of local, home conditions. What we want are reports of actual work done, of favorable results achieved, of profits made, on either a small or large scale."

Herewith is shown a picture of the front cover of this remarkable book, and, as above stated, a free copy will be sent to any reader of this poultry journal on request, who will forward ten cents in stamps to the publishers—to cover cost of mailing. The book itself is free, and Mr. Curtis says that in his judgment it would be cheap at \$2.00 per copy, if a fair selling price were placed on it. Get your free copy. Reader, and judge for yourself.

Address Cyphers Incubator Company, Home Offices, Buffalo, N. Y., or the company's branch store and office nearest you, as follows: New York City, N. Y., 23 Barclay St.; Boston, Mass., 12-14 Canal St.; Chicago, Ill., 329-331 Plymouth Court; Kansas City, Mo., 317-319 Southwest Blvd.; and Oakland, Cal., 2127-2131 Broadway.

Mr. Ernest B. Rogers, who recently sold all of his White Orpingtons to The Aldrich Farms and agreed to stay out of the advertising game for a year, is getting started for next year's business. When at Cincinnati, I saw a letter announcing the exporting of eight females from England, for which Mr. Rogers gave \$1,600. He had two display pens at Cincinnati, Nos. 2 and 3. The male heading one pen was a Crystal Palace winner.

**25 : COCKERELS ON HAND : 25**

Need the room. Write now. Send your orders for eggs early. Mention American Poultry Journal.  
**Fred H. Meyer :- 2607-09 Broadway :- Fort Wayne, Indiana**

**Talk to Skinner**

About those Standard White Wyandottes that you want, and eggs for hatching.

**F. E. SKINNER, SANDWICH, ILLINOIS**

**RILEY'S ROSE COMB REDS**

Make nearly a clean sweep at Buffalo and Rochester, N. Y., winning all display cups and prizes at each show, both combs competing. If you need Ideal Color, with shape, I can furnish it at popular prices. Free mating list tells the story.

**C. E. Riley, 431 Fargo St., Buffalo, N. Y.**

**STONESTREET WHITE ORPINGTONS**

My birds are up-to-date. In five representative shows—Nashville, Paducah, Shreveport, Columbus, Ga., and Louisville, I took in all 83 prizes, including nine silver cups, specials, etc.

Some fine individuals still for sale. Also a few pens first class utility stock.

Eggs, \$3.00, \$5.00, \$10.00, \$15.00 and \$20.00 per setting of fifteen. All infertile ones replaced if reported within ten days.

**PARK POULTRY YARDS : MRS. REGINALD STONESTREET  
GLENDALE, NASHVILLE, TENN.**



Best Hen in Whole Show,  
Columbus, Georgia, 1912.

**ALBEMARLE-HOFFMANN  
NEW YORK**

A new modern hotel representing a Five Million Dollar investment on the site of the former Hoffman House.

**Broadway, 24th St., Fifth Avenue**

**THE ACME OF ARCHITECTURAL PERFECTION  
LOCATED AT THE HUB OF NEW YORK'S GREATEST BUSINESS.  
OVERLOOKING MADISON SQUARE.**

Accommodations for 1,000, offering maximum luxury and comfort at much lower rates than offered in any other Hotel in America, consistent with highest class service.

**A GOOD ROOM AT \$1.50 PER DAY  
A GOOD ROOM, WITH BATH, \$2.00 PER DAY**

Handsome Apartments of any number of rooms at proportionate rates. The Management is a guarantee of the highest refinement and protection to ladies and families.  
**DANIEL P. RITCHEY.**

**BUFF ORPINGTONS, BLACK MINORCAS**

Now as the hatching season is beginning and you surely want to buy the best stock that you can get for the money, we will quote you a few of our winnings in four state fairs in competition with the large Eastern breeders.

**In the S. C. Buff Orpington Class**—At the Nashville State Fair we won: 1st hen; 2nd cock; 2nd pullet; 3rd and 4th cockerel; 3rd and 5th pen; 5th cock. Also a special premium on the hen for being the best in the fair. At the Alabama State Fair we won: 1st cockerel; 2nd cock; 2nd hen and 2nd pullet. At the Mississippi State Fair, one of the largest ever held in Jackson: 1st cock; 1st hen; 1st and 3rd cockerel. At the Louisiana State Fair we won: 2nd cock; 3rd hen; 3rd cockerel.

We have the nicest lot of S. C. Black Orpingtons which were not exhibited, this year.

**In the S. C. Black Minorca Class**—At the Alabama State Fair we won: 1st, 2nd and 4th cockerel; 1st, 2nd, 3rd, 4th and 5th pullet; 1st and 2nd cock; 2nd, 3rd and 4th hen; 1st and 2nd pen. Also a premium for best display of Aseatics At the Mississippi State Fair we won: 1st, 2nd and 3rd cockerel; 2nd and 4th pullet; 2nd hen; 3rd cock, and 1st pen. Louisiana State Fair: 1st and 2nd cock; 1st, 2nd and 3rd cockerel; 1st, 2nd, 4th and 5th pullet; 2nd hen; 1st and 2nd pens.

This should be evidence that we have stock or eggs that you are looking for. We have the largest and best equipped poultry farm in the South. You do not have to go East for eggs for hatching season, taking chances on the climate where you can get them just as good for possibly less money. All our stock are free range. They are up to the standard in weight, type and color. Correspondence solicited. Day old chicks only when ordered.

**Kenmore Poultry Farm - Maxey Lane & Gallatin Pike : Nashville, Tennessee**



## HIGH CLASS EXHIBITION S. C. BLACK ORPINGTONS

Settings from Fine Mating reasonable.

**O. K. Parrett : Zanesville, Ohio**

**PULLET SALE**

**EGGS FOR HATCHING**

### Rose Comb White Leghorns

Also Single Comb

Lakeview Poultry Farm : Deerfield, Illinois

## HIGH SCORING WHITE ROCKS

Won 24 ribbons and 2 specials at 2 shows. I could not get to go to but one, the Kankakee show, this winter, which is the third largest show in Illinois. Won 1st, 2d, 3d ck.; 2d, 3d hen; 1st ckl.; 1st, 2d, 3d pul.; 1st pen 190% points; 2d pen 190% points; 1st on American class; 3d on grand special. Eggs at bed rock prices. Write for mating lists. Mention A. P. J.

**B. E. Graham Route 2, Manteno, Illinois**

## NEW YORK POULTRY FARM



Baby Chicks, Eggs for Hatching, Rhode Island Reds, Buff Orpingtons, White Leghorns.

Eggs \$2.00 and \$3.00 per 15, \$10.00 per 100.

Chicks \$13.00, \$15.00 and \$20.00 per 100.

Utility Chicks \$11.00 per 100.

**W. J. Trapp :: Gloversville, New York**



## JEFFERSON'S White Runners

Win where quality counts—never defeated. At the greatest show held at Madison Square Garden, Dec., 1911, our ducks controlled the highest winnings. Our winnings include 1st cockerel, 1st pen, second pullet.

At Southern International Show, Atlanta, Ga., Dec. 16-21, 1912, our Madison Square Garden 1st cockerel won first cock. Also won 1st cock at Savannah, Ga., Nov., 1912. This winning cock is without doubt the greatest white runner in America. He heads our all-prize pen this season. These great ducks, together with our other prize winners, place Jefferson's White Runners far in the lead. Our string of winnings at Chicago, Cleveland and Savannah include many firsts.

Eggs, \$5.00 per 12, \$8.00 per 24, \$15.00 per 50, and \$25.00 per 100. Why pay more, we guarantee satisfaction. Stock for sale.

**Jefferson Poultry Farm, Albany, Ga.**  
Citizen's First National Bank Bldg.

## A NEW ADVERTISER.

In this issue will be found the advertisement of Peter Olle, of Racine, Wis., who comes to us highly recommended. Mr. Olle will have one of the most modern poultry farms in Wisconsin when he completes his buildings. This farm contains 15 acres of land just out of Racine, Wis. When Mr. Olle purchased this farm there was a brick building formerly used for a cabbage store house, but new, 30x141 feet, inside measurements, and having a brick wall, with two dead air spaces, 24 inches thick. This building is being remodeled into a breeding and laying house on the double deck plan and will have a capacity of 2,000 layers. We visited this farm on February 13th and at that time his pullets were laying fine. Mr. Olle breeds White Rocks, Partridge Rocks and Golden Laced Wyandottes, and as he is a man of means, he purchased the best in the country to start with. He is too shrewd a business man to do otherwise, and he certainly has some fine birds. He is mating up 12 pens of White Rocks, six pens of Partridge Rocks and four pens of Golden Laced Wyandottes.

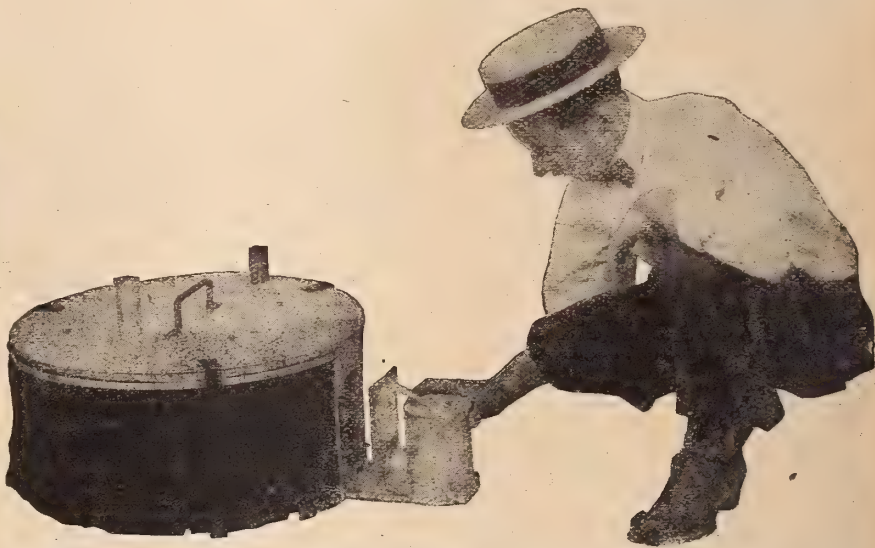
In December his White Rocks won in competition with Owen Farms and Daily 4th cock, 4th cockerel, 5th hen, 4th pullet. At Milwaukee 1st and 3d cock; 3d, 4th and 5th cockerel; 2d and 5th hen; 2d and 3d pullet and two silver cups. At Racine, 1st, 2d, 3d, 5th cock; 2d, 4th, 5th cockerel; 1st, 2d, 3d, 4th, 5th hen; 1st, 2d, 3d, 5th pullet; 1st, 2d pen. On Part-

His whole flock of youngsters last year were dark and rich in color, and this year they are even better, and he has reserved the best of both years for his matings, including his Cleveland and Youngstown winners, and he believes as good results will be obtained from these matings as from matings of other breeders who ask twice as much for their eggs. Send for mating list and mention American Poultry Journal.—H. H. Coburn.

## AN INTERESTING OFFER.

The checkerboard bag has come to be a byword for quality poultry feeds. The marvelous success that has always greeted this brand of feed is due not only to the high standard of quality that has been maintained, but to the accurate knowledge of the poultry raisers wants. The Ralston Purina Company's latest offer is found on another page of this issue and consists of two galvanized iron drinking fountains which will be delivered at half price to any poultry raiser who is using Purina Chicken Chowder, the great egg producing mash and growing feed. A fountain of this type sells for 25c at any supply house, but Col. Purina will deliver two for 25c and a coupon clipped from a Checkerboard Bag.

This offer is made to induce poultry raisers to try Purina Chicken Chowder as a growing feed for baby chicks. Chicks should have a separate fountain which may easily be filled and cleaned. The Purina galvanized iron fountain is serviceable and practical. Our readers will make no mistake by send-



Removing the Lamp from the Ideal Hover Manufactured by the Duplex Incubator Co., Tremont City, O. The lamp is removed or pushed into place with one hand. The Oil Fount is outside of Lampbox and oil is always cool and they Guarantee this Lamp to never smoke. Another important feature is the Double Drum Heater producing 15% more heat than the Single Drum Heater from the same amount of oil. The Ideal just sets on the floor any place, and if interested in a Handy, Neat, Safe and Low-priced Brooding Device look up their Advertisement, and mention this paper when writing them.

ridge Rocks at Chicago, December, 2d cock. Milwaukee, 1st cock, 2d pullet, 1st cockerel. Racine, 1st, 3d cockerel, 1st cock, 1st, 3d hen, 2d pullet, 2d pen; silver cup. Golden Wyandottes at Racine, 1st, 2d cockerel, 3d cock, 3d, 4th hen, 2d, 4th pullet, 1st pen, silver cup for best display. Look up Mr. Olle's ad. which is appearing for the first time in American Poultry Journal and send for his beautiful new catalogue, that Mr. Stahmer is getting out.—H. H. Coburn.

## MAKING GOOD.

Last year when M. C. De Loff, Wiloughby, Ohio, wrote the introduction to his mating list he said he had lived for the past ten years in close touch with some Red breeders of the advanced school, thereby getting some valuable pointers, and that he should devote all of his attention to birds and produce a superior quality of Rose Comb Rhode Island Reds. Just how near he came to making good the reader can judge. At the Ohio State meet at Youngstown, an early show and before some of his best young stock was fully developed, he won on eight entries—1st and 5th cock, and shape special; 2d and 3d cockerel; 3d pullet; 5th pen. At Cleveland Jan. 20-25, 1913, on three entries he won 1st pen and 2d cockerel.

All of De Loff's Reds are of that even, dark, rich red so characteristic of the Bean blood from which his birds are bred.

ing for two. Every poultry raiser should also have a copy of the 1913 Purina Book, containing space for daily egg records, cures of diseases, breeding and feeding charts, plans of houses, etc., etc. A copy will be sent free to any reader of the American Poultry Journal.

## THE AUTOCRAT SINGLE COMB RHODE ISLAND REDS.

Another successful woman fancier is Mrs. Jennie Warren, Mentor, Ohio, who breeds Autocrat Single Comb Rhode Island Reds. Mrs. Warren is a person of detail and one whose motto is, "Be sure you are right, and then go ahead," so she made the right start, by starting right by purchasing the best to be had for her foundation stock. She selected the Crowther strain of males, males of superb type and wonderful deep, rich, brilliant red, so characteristic of the Crowther males. The males are sired by Aristocrat. The foundation females were of the famous Tompkins strain, now scientifically blended into the Autocrat strain of Single Comb Reds. She has mated up some special matings headed by prize winning males and will spare a few settings of eggs to those who order early. Mrs. Warren's mating list is very frank and modest in its statements. Send for one and purchase some eggs from the Autocrats.—H. H. Coburn.



## PARSON'S POULTRY PLANT.

At Avon Lake, Ohio, 90 miles from Cleveland, Ohio, is located Parsons Poultry Plant. It is most modern and practical and contains 30 acres of undulating land with a gradual slope southward. The buildings are modern and constructed on the open-air front plan. The main laying and breeding house is 15x100 feet, special mating house 25x40 feet, conditioning and wash room building is 20x30, feed room and brooder house leading from it. The incubator cellar is under the residence. The Parsons raise many chicks with hens and use 10 colony houses on the farm. They specialize in S. C. White Orpingtons and R. C. Rhode Island Reds. They have imported a great many White Orpingtons for their start in this grand and popular breed, but can home-grow them now so as to defeat imported birds in the show room as they did at the late Cleveland Show.

At the Toledo Show Jan. 6-12, 1913, they won on Orpingtons 1st, 4th cock; 1st, 3d hen; 1st, 2d cockerel; 2d, 4th pullet, on eight entries. On R. C. Reds on two entries, 2d cock. At Cleveland, Jan. 20-25, 1913, on Orpingtons, 3d cock; 3d hen; 3d cockerel, on four entries. On R. C. Reds, 2d cock, on one entry.

They are mating eight very choice pens in R. C. Reds and seven pens of S. C. White Orpingtons for the coming egg season. If you want to infuse new blood try some settings, for they have the eggs and will deliver them. Write for mating list and mention American Poultry Journal.—H. H. Coburn.

## BULLINGTON'S ORPINGTONS.

It will be remembered that F. S. Bullington, Richmond, Va., was among the very first to take up the S. C. White Orpington, and his blue ribbon strain is the leader to-day. He has been re-elected the club secretary and is also president of the Virginia State Poultry Association and secretary of the Virginia branch of the A. P. A. Mr. Bullington lives in a suburb of Richmond and has a farm of 10 acres where he mates up his birds and raises some of his Orpingtons, but farms out all the eggs among farmers, and his stock is all raised on range.

His noted hen, "Bettie," has won 11 blue ribbons, two silver cups and many specials. He has many individuals who have won from three to ten blue ribbons. This past season he has sold winners for 11 leading shows and received several reports from last season's egg customers of winnings made by stock hatched from these eggs. He exhibited at three shows and won 15 first prizes out of a possible 16 with eight cups and A. P. A. specials.

Write for new mating list which describes the wonderful matings and shows cuts of three winning males and others.—H. H. Coburn.

## E. H. LICHTENWALTER, GIRARD, PA.

The following letter lately received explains itself:

Girard, Pa., Jan. 20, '13.

Dear Mr. Schwab:

I am very much pleased to inform you that the American Buff Plymouth Rock Club at their annual meeting held at Springfield, Ill., elected me president of the club. I highly appreciate this honor, and through you and the A. P. J. wish to thank all friends and to urge all breeders to give the club its best support. Thanking you in advance, I remain, for more and better Bufts, Your friend,

E. H. Lichtenwalter.

Note—We were glad to get this news and to publish it, for Mr. Lichtenwalter is a most capable man and breeder. He is one of the "Old Guard" and original Buff breeder and has been their reliable champion from the first. In electing him the club has honored itself and paid tribute to a most worthy man. We congratulate both and wish them every success for the future.—H. P. Schwab.

Loyd & Son of Greensburg, Ind., have just cause to feel proud of the classy show record their Partridge Plymouth Rocks have made this season. It will be remembered that last year, they cleaned up to the queen's taste at Cincinnati, Indianapolis and innumerable shows in the hands of customers. At the Indianapolis Show, January 12-17, 1913, they won 1st pen in a class of six pens, 2 cockerel, 2 pullet, 5 hen, 4 and 5, cockerel. This firm is one of the largest specialty breeders of this very popular variety of Plymouth Rocks. Write for full particulars and mention American Poultry Journal.

## Canada's Best S. C. &amp; R. C. Black Minorcas

Have proven themselves America's Best, which is the "Best in the World" at the American Black Minorca Club Show two years in succession, 1910-1911 and 1911-1912. They won the Director's \$50.00 Cup for best collection. Eggs for hatching from the best pens of Black Minorcas that were ever mated.

T. A. FAULDS, LONDON, ONTARIO, CAN.  
PRESIDENT OF CANADIAN BLACK MINORCA CLUB

## ORPINGTONS

Buff, Black and White. Write for sales sheet and mating list, which includes my New York, Madison Square winners. 2000 to select from. Can fill early orders. 30 pens mated for egg trade. No killing prices. \$2.00, \$4.00 and \$6.00 per setting of 15 eggs.

SANDY LICK POULTRY FARM,

966 LIBERTY AVE.,

PITTSBURG, PA.

L. O. KETTERING, Prop.

J. W. MCGINNIS, Mgr.

## Fell's Famous White Wyandottes

## At Madison Square Garden 1913

Almost make a clean sweep winning: First Cock, Second Hen, First and Fifth Cockerel, First and Fourth Pullet, First Pen—four times as many First Prizes as all exhibitors combined, and all Specials. Have won more First Prizes at Madison Square my last three shows than all exhibitors combined. Thirteen Firsts at the great Allentown Fair, three showings. Special, best 10 birds in whole show twice in succession. Free Catalogue

A. J. Fell, Box J, West Point, Pa.



## LESTER TOMPKINS' R. I. REDS

The originator of this famous strain that has made the Reds one of the most popular breeds of fowl on earth, always at the front both in the show room and laying contests. My recent winnings at Madison Square Garden and Boston prove they are still in the lead, winning display special at both shows, 1st hen in both combs and all female shape specials at Garden, 1st cock and shape special in single comb. Also all display specials and state cups for both combs at recent Boston show against birds that had been considered unbeatable. My breeding pens this season are simply grand. Prices right.

Lester Tompkins .:. Concord, Mass.

SECOND PEN COCKEREL MADISON SQUARE GARDEN DEC. 1911.



RIDGE EGG FARM

WEST NYACK, N.Y.

## "Rockland" Strain of S. C. White Leghorns

is the winning strain for either the Egg Basket or Show Room. First hen, Second Pen Madison Square heads our yards. Book, Incubator and Egg Record Cards Free.

Ridge Egg Farm  
K. M. Turner, Prop., West Nyack, N. Y.

100 Silver Campines For Sale

See illustration this issue

ROCKLAND I



## WITH OUR ADVERTISERS.

H. H. Coburn.

Mrs. J. H. Harnley of Zion City, Ill., is a woman of much force of character and a determination to succeed in whatever she attempts, and she really has "arrived" with her Quality Single Comb White Orpingtons, as few poultry farms have the quality she has in her yards. Her farm is very complete and up to date for it takes a woman to plan details. When Mrs. Harnley entered the fancy poultry business, it was in the spring of 1909, and she started with one hundred dollars worth of Kellerstrass' thirty dollar's per setting eggs. The following spring, she purchased three more settings of Kellerstrass' best eggs, and that same season imported a cock, hen and pullet from the best yards in England, together with another hundred dollars worth of eggs (from England's best). During the season of 1911-12, she introduced some of the Owen Farms best blood by purchasing six very high class birds. Later, she purchased eleven first prize winners, among which is Cleveland's first prize champion cockerel and winner of the \$50 championship cup. This bird is now a twelve-pound cock and heads one of her pens. Last but not least, Mrs. Harnley purchased the entire flock of famous Single Comb White Orpingtons from Geo. Greenwood of Lake Mills, Wisconsin, and by so doing, secured the sire, dam, brothers and sisters of the first prize cockerel at the Great Chicago Show, December, 1912. Mrs. Harnley, is a thorough fancier, and her ability to mate White Orpingtons to produce winners is unexcelled. She has mated up twenty pens for the egg and baby chick trade for this season. Write her for further information and mention American Poultry Journal.

Some very excellent Single Comb Rhode Island Reds are bred and raised at the E. W. Golby poultry plant, located at Willoughby, Ohio. Mr. Colby understands how to mate Reds to produce good ones. The Colby Reds are long in back and are beautiful in color with sharp black points. Looking th whole flock over, one is impressed by the striking uniformity of color and their fine head points. They are raised on range consequently are very vigorous and healthy. In fact, there is a very limited number of invalids among them. They are too busy to be puny. The Colby Single Comb Reds have started in right to make a very classy show record for themselves. At the Ashtabula, Ohio Show, they won in a large class of good ones, 1 cockerel, 3 pullet, 2 hen and 2 pen. At the Cleveland Show January 20-25, 1913, in the best class ever shown in that city, they won 2 cockerel, 2, 3. pen. The Colby matings are hard to beat and those wishing to raise

winners will do right by ordering eggs from them. You will be treated right and get more than your money's worth. Look up ad and write for mating list.

F. M. Clemens, Mechanicsburg, Ohio, originated the beautiful variety of Plymouth Rocks and to-day is the largest breeder of them in the world. He breeds them whiter on backs than Light Brahmas and the hackles and saddles of his males can make most any breeder of Light Brahmas green with envy. The wings are equally as fine. The females have the same superior quality as the males. Both sexes are of correct Plymouth Rock type. These birds have a long show record win-



First Prize Cockerel, Chicago, 1912

Owned by Frank Myers, Freeport, Ill.

ning all over the country. Mr. Clemens is mating up the best pens he ever mated, heading them with prize winning males, that will produce scores of high class exhibition birds. He has a few choice breeders left and cockerels that will make great show birds as cocks. Try a pen mated by Mr. Clemens and go after the ribbons next show season. Mr. Clemens is first vice president of the Columbian Plymouth Rock Club and it is needless to state he is integrity itself. Write for mating list and look up ad in this issue.

One of the attractions of the Great Quality Show at Indianapolis, Ind.; Jan. 12-17, 1913, was a display of ten of Bruce & Ab-

bott's Single Comb Buff Orpington cockerels of Whiteland, Ind. It is doubtful if any breeder could equal them in evenness of color and that color a beautiful golden buff to the skin. This firm's buffs are strong on color and type and have the best blood lines of any strain in the country. Some of the winners in competition at this show, were hatched from eggs from the yards of Bruce & Abbott. Write for full particulars and mention American Poultry Journal.

Mr. A. E. Martz, Arcadia, Ind., had a display at the Indianapolis Show, Jan. 12-17, 1913, of one pen of his Single Comb Buff Orpingtons, consisting of one male and six females, all of the same shade of beautiful golden buff and as near alike in color and type as peas in a pod. The male was one continuous shade of golden buff, and is without a rival. When it comes to putting golden buff together with golden buff to produce golden buff, A. E. Martz is without a pier. This display pen was one of the attractions of the show. If the females laid every hour of the day, instead of nearly every day for days in succession, he could sell every egg at his own price. Mr. Martz will spare a few settings from this pen, as he has nothing on the side too good for his patrons.

W. F. Zimmerman is located at Willoughby, Ohio, the town of good Reds. In that town, it is Reds to the right of you, and Reds to the left of you, so Mr. Zimmerman had opportunity to take a post-graduate course of which opportunity he availed himself and started in the business right. He is an enthusiastic and true fancier and is an adept at handling the utility end of the business also. His Reds are of the long back type and are of an exceedingly fine shade of deep, brilliant red. His plant is practical and up to date and he hatches with the incubator and hens. His Rose Comb Rhode Island Reds won at Cleveland, January 20-25, 1913, 2, 3 pullet in the largest and best class ever shown in that city. He has mated up some very choice pens and will spare a limited number of settings. If you want to get in on these, order early. Send for mating list.

At the Great Quality Indianapolis Show, February 3-7, 1913, The Buschman, Pierce Rose Comb Reds won 1, 2, 3, 4, cock, 1, 2, 3, 4, 5, hen, 1, 2, 3, 4, cockerel, 1, 3, 5, pullet, 1, 2, old pen, 1, 2, young pen, 1 mixed pen. Silver Cup for best display. \$100 Silver Cup for best display in any variety. On Single Comb Reds they won 1, 2, 3, cockerel, 1, 2, hen, 1, 2, pullet, first old pen first mixed pen, second young pen and five Silver Cups. This string of Rose Comb Reds were all different birds, except one hen, from the ones shown at Chicago. This firm is mating up 35 pens of the Rose Comb Reds and every pen is headed by a

# Barred Plymouth Rocks

The "Hoosier Strain" Barred Plymouth Rocks scored another sweeping victory at the Big Cincinnati, Ohio, show Jan. 23-29, 1913, winning best display, five silver cups, gold special for champion male, etc. We had twice as many points for best display as any competitor. This phenomenal winning added to our record of first cock at Chicago, Dec., 1911, second and third cocks and fifth pullet mated pen Chicago, Dec., 1912, five first and four second prizes at Indianapolis in 1912, is final proof that there is no better strain. **Eggs for Hatching:** Our pens are the best we ever mated and contain more National Show winners than the same number of pens owned by any other breeder in America and will produce the winners for next season's big shows. Prices for Eggs, \$1.50, \$5 and \$10 for 15. A few choice breeding birds for sale. Send for mating list.

G. Earl Hoover

::

Route 24

::

Matthews, Indiana



## WHO HAS THE BEST WHITE ROCKS?

Write today for special bargain mating list and sheet of winnings, which are sent free. Also send 10 cents for illustrated catalogue, which will tell you all about

### Halbach's Stay-White Strain White Plymouth Rocks

They won more than 68 other prominent breeders at such shows as the National White Rock Club Show, Chicago, Milwaukee (Fair), and Detroit. This record is far in advance of any other. It should assist you in purchasing your eggs and stock for new blood and foundation stock as well. Remember they hold the world's record by winning **BEST DISPLAY at CHICAGO** four times. A grand lot of breeders left. The kind that will produce you winners. Utility birds in quantity. The quick growing, heavy laying, big paying kind. Eggs from the best matings, \$15.00 per 15. Utility eggs, \$10.00 per 100. Just write today and be convinced of quality. Have anything you need and know that I can more than please you.

**H. W. Halbach, Box A, Waterford, Wisconsin**



winner and seventeen Single Comb Red pens, every one headed by a winner for the egg trade. In both varieties the color runs as even as peas in a pod. This is the largest Red farm in the world.

R. I. Armstrong's Single Reds won at Columbus, Ohio, Jan. 13-18, 1913, in a very strong class—first cockerel and color special. This cockerel was one of the attractions of the show. Mr. Armstrong will mate up six very choice pens, and from them raise all the youngsters. His birds are very healthy, and consequently the eggs very strong in fertility. The Armstrong Reds are great in type, having long backs and tails carried at the proper angle, and when it comes to color the Armstrongs' Single Comb Rhode Island Reds are the Reds that are red. Mr. Armstrong ships stock and eggs to all parts of the United States. He aims to have all business relations pleasant, and he seldom gets any complaints. Write him for cockerels bred like the first prize Columbus cockerel. Address R. I. Armstrong, 1054 Sullivan ave., Columbus, Ohio.

At Columbus, Ohio, Jan. 13-18, 1913, the Sheffield Farms, of Glendale, Ohio, made the following winnings on their Premier Partridge Wyandottes. Cock, first, second, third; cockerel, first, second, third; pullet, first, second, third; hen, first, second, fourth; pen, first, second, third. At Madison, Wis., Partridge Wyandotte Club meeting, fourth-fifth, cock; fourth-seventh, cockerel; second-third, hen; fourth, sixth, seventh, eighth, pullet; first, second, fifth, pen. These, added to their long list of former winnings at Madison Square Garden, Hagerstown, Boston, Cleveland, Chicago, and all other leading shows year after year, makes it the longest and best of any existing strain of Partridge Wyandottes.

The Blue Ribbon Poultry Farms' world's champion Single Comb Black Orpington cock bird was on display at Indianapolis, Ind., Jan. 12-18, 1913, and was the marvel of all who saw him. He is, without question, the best Black Orpington male in existence and was bred and raised by Mr. Carter, who does not have to buy nor import his famous winners. This wonderful cock bird holds more blue ribbons than any known Single Comb Black Orpington. He will be mated to six of the classiest females at Blue Ribbon Poultry Farm, Columbus, Ind. A very limited number of eggs to spare from this mating.

E. W. Grove's Single Comb White Leghorns won at Indianapolis, Ind., January 12-17, 1912, on twelve entries, 1, 2, 3, cock 1, 2, cockerel, 1, 2, 3, hen, 1, 2, 3, pullet, 1 pen. Get the E. W. Grove White Leghorn Book, The Best Work on the Breed, price 50 cents. Address E. W. Grove, Clayton, Missouri.

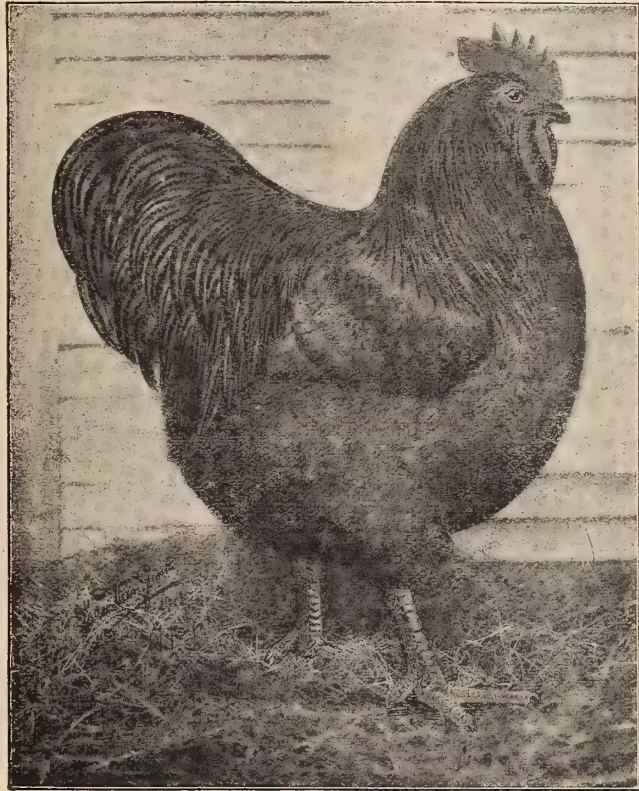
Bruce & Abbott, Whiteland, Ind., won on their Single Comb Buff Orpingtons at the Grand Music Hall Show in Cincinnati Jan. 23-29, 1913, to the tune of 1-2 cock, 3-5 hen, 1-2-4-5 cockerel, 1-2-3-4 pullet, 1-2 young pen, 1 old pen, \$40 cup for best display of Orpingtons (all varieties compet-

ing), \$25 silver cup for best display of Buffs. The Bruce & Abbott Buff Orpingtons are one of the very best strains, and this firm is a good one to do business with. Get one of their Golden Buff cockerels and a setting or more of their best eggs. You will never regret it.

Loyd & Son, of Greensburg, Ind., were at the Cleveland Show, Jan. 20-25, with their Partridge Plymouth Rocks and won special for best display, and 1-3-5 cock, hen 2-4-5, cockerel 2-5, pullet 2-5, first pen.

play. This is truly a great winning, but Sheffield Farm's (Glendale, Ohio) Premier Partridge Wyandottes have repeated this performance more than any other breeder of most any breed.

D. M. Covert's Barred Plymouth Rocks made a grand winning at the Cleveland Show Jan. 20-25, winning cock first, second; hen, fifth; cockerel, third (no pullets nor pens entered); cockerel bred hen, first; pullet bred cockerel, first; pullet bred pen, first; shape special male; second best dis-



Black Orpington cock that headed third pen at Grand Central Palace Show, Dec., 1912. Owned by F. B. Crawford, Rahway, N. J.

When it comes to beautiful color and fine penciling and grand Rock type the Loyd & Son's Partridge Plymouth Rocks are second to none. Get one of their cockerels and improve your strain.

The Premier Partridge Wyandottes won at Cincinnati Jan. 23-29, 1913: Cock, 1-2-3-4; hen, 1-2-3-4; cockerel, 1-2-3-4; pullet, 1-2-3-4; pen, 1-2-3; silver cup for best dis-

play; best local cockerel and pullet; also second cock in Single Comb Rhode Island Reds.

W. J. Brinkley, Iuka, Miss., breeder of White Plymouth Rocks, reports the following winnings at the late Jacksonville, Fla., show: First and 2d cock; 1st and 2d hen; 1st and 2d cockerel; 3d and 4th pullet; 3d pen; special for best cock in American

# McClave's Linwood Poultry Farm

The home of high class prize winning Barred Plymouth Rocks, White Wyandots, Buff Orpingtons, S. C. White Leghorns, Bronze Turkeys, Indian Runner and Pekin Ducks and Geese. The finest collection of these varieties in the U. S. One of the oldest Poultry Farms in Ohio. I have 1000 head for sale of the finest quality. Single birds, pairs, trios and pens at reasonable prices. Now is the time to buy your breeding stock as the breeding season is at hand.

Eggs for hatching from selected prize matings. Leading winners the past season at Detroit, Columbus, Cleveland, Hagerstown and other large shows. At Cleveland January, 1913, my birds won 73 first, 25 second, 14 third, 12 fourth, 6 fifth prizes, 12 cups and Sweepstakes for best Pens and Displays. More prizes than the next three largest exhibitors combined. Highest quality, reasonable prices, prompt service. Write your wants to

Chas. McClave :- Box A :- New London, Ohio



# Zimmerman's R. C. Reds

Won at Cleveland January 20 to 25, 1913, 2-3 pullet, in the largest class ever exhibited at Cleveland. A limited number of settings to spare. Book early.

W. F. Zimmerman

Willoughby, Ohio

TRADE MARK



## CHAMBERLAIN'S PERFECT CHICK FEED

The Only Original Dry Chick Feed and the World's Standard. "Lady Showyou," winner of the National Egg-laying Contest at Mountain Grove, Mo., with a record of 82 eggs in 82 days, and 281 eggs in a year, and recently sold for \$800, was raised on Chamberlain's Perfect Chick Feed. We have agents all over the U. S., but if our agent is not near you, we can make you special delivery prices on 100 lb. lots, or more.

W. F. Chamberlain Feed Co., 358 N. Commercial st., St. Louis, Mo.

HAS NO EQUAL—NO CORN—NO BOWEL TROUBLE

## Payne Bros.' Rose Comb Reds

Win at Madison Square Garden, the "Quality" Show of America—1st cock, shape and color special, 1st pullet, color special, 5th hen, 3d pen. At the big Boston show, 1912—1st cockerel, 1st pen, 2d hen and six other ribbons on nine entries. If you want the best in stock and eggs, write us. Mating list free Feb'y 1st. Satisfaction guaranteed.

PAYNE BROS. :- BOX J :- PORTLAND, CONNECTICUT

## SILVER AND GOLDEN CAMPINES AND S. C. WHITE LEGHORNS

Baby chicks of quality from these celebrated strains of heavy layers of large white eggs. I make no extravagant and unsubstantiated egg record claims; each year our chicks are bred from birds whose performance is measured by their egg yield, having thus earned a reputation in heavy egg production. At Cleveland, January, 1913, our Silver Campines have shown by their winnings (two firsts, one second, one fourth, one fifth, on an entry of six) that utility and show values can rest in the same birds. Now is the time to book your order for either baby chicks or eggs for early delivery. Our prices are right and we guarantee to please. Catalogue free.

S. D. Hall : Box 78 : Seville, Ohio

## S. C. BROWN LEGHORNS

ONLY THE BEST—PRIZE WINNERS

The kind of birds the fancier loves to raise. I won 1st on cockerel, 3d on cock, at the Boston show, 1907; 2d and 5th cockerel, 3d and 5th cock, 3d and 6th hen, Boston, 1908; 1st on cock, 3d on pullet, at Madison Square Garden Show, 1905; 1st on cock, 2d and 3d on cockerel, 1st on pullet, 1st on pen, and 10 special premiums at Chicago show, 1905, winning fifteen prizes on eight birds. At Chicago, December, 1909: 1st and 2d cock, 1st and 5th cockerel. First cock, 1st cockerel at the Great Chicago Show, 1910. Chicago, 1911, 1st cockerel, 2d cock. A choice lot of show and breeding stock. Circular showing my winnings free. Write now. Address

W. H. WIEBKE Box P 348 FORT WAYNE, IND.



## BRADY'S WHITE ORPINGTONS

Made show records last year for myself and my customers unapproached by any breeder in the United States. In the PHILADELPHIA SHOW I won FIRST PEN. The pen winning second was of my birds and in the hands of my customer, V. K. Dayhoff of York, Pa. I also won FIRST HEN and REFUSED \$1,000 for her. In the great NASHVILLE (TENN.) SHOW I sold my two best pullets for \$175. My first hen in this show was pronounced the best hen ever shown in the great South. My young pen was beaten only by a pen of old birds direct from England. My customers, also, won in this show, as well as DES MOINES, IOWA; LANSING, MICH.; WHEELING, W. VA.; LEBANON, PA.; BALTIMORE, MD.; CHICAGO ILL.; MADISON SQUARE GARDEN, NEW YORK, etc., etc. This year I have more size and high show quality than I have ever had and can furnish birds for your early shows that will add credit to their new owners. Write for prices, mention A. P. J. Birds shipped on approval.

Eggs, \$5, \$10 and \$15 per 15

J. S. Brady, Parkers Landing, Pa.



class. Seventy-five-dollar silver cup for best hen in show; gold legband for best female in American class; \$5.00 in gold for whitest bird in the show. The three specials won on female were won by his grand hen, "Loucille." These birds were the sensational winners of the entire show. For further particulars write him and mention American Poultry Journal.

A. A. Carver, Seville, Ohio, whose Queen Quality Rhode Island Reds won at Cleveland last year every first Mr. Carver went after, are winning all over the country in the hands of Mr. Carver's purchasers. He decided to rest on his laurels and let his customers do it—that is why he did not exhibit any this year. He has reports of winnings from New Jersey, North Carolina, Louisiana, Oregon, Massachusetts, Idaho, Iowa, Illinois, Michigan, Wisconsin, Alabama, Mississippi, West Virginia, Virginia, Ohio, Indiana, Washington, Montana, Minnesota, Pennsylvania, Tennessee, Kentucky, New York, Arkansas, and Georgia—twenty-five states in all. That certainly is going some. In looking over Mr. Carver's matings I find them to contain more quality than any in country. Queen Quality Reds are red and have sharp, glossy green black points. Mr. Carver is a great special materal—mating pairs and trios to obtain certain results. He will treat you right 365 days in the year.

Mr. Fred H. Poertner, Berea, Ohio, Single Comb Buff Orpingtons, won at Cleveland Jan. 20 to 25, first pen, fifth cock and fifth pullet, nine pens competing. This first pen is the same pen that won first pen at Cleveland last year. How is that for "buff all over—buff to the skin and buff all the time?" Mr. Poertner did not show any Buff Wyandottes.

Mr. Chas. Switzer, of South Euclid, Ohio, added more victories to his already long list at Pittsburg and Cleveland. The Roseland Single Comb Buff Orpingtons won at Pittsburg, first and second pullet, second cockerel, and third cock. At Cleveland Jan. 20 to 25, 1913, second cock, third cockerel, third and fourth hen, fourth pullet, third and fourth pen, and second best display. The Roseland Buff Orpingtons are always heavy winners in any show room.

Mr. W. Etzensperger, Willoughby, Ohio, did it again at Pittsburg with his Rose and Single Comb Reds, winning on Single Combs second, fifth and sixth cockerel, second pullet and fourth pen. Rose Combs, second, third and fourth cockerel, second and sixth pullet, fourth pen; and color special on both Rose and Single Comb. Mr. Etzensperger is mating up some good pens and will furnish settings at \$5, \$10 and \$15 per fifteen.

The Single Comb Black Orpingtons owned and bred by J. T. Adair, Millersburg, Ky., are establishing a record that is making lovers and breeders of this grand breed set up and take notice. At Indianapolis, Jan. 12-18, 1913, they won 1st, 3d, cock; 1st, 2d, cockerel; 3d, 4th, 5th, hen; 1st, 2d, 4th, pullet; 2d, 3d, pen; three Black Orpington Club cups, four gold medals and a \$25 display cup. This great victory, added to that of Louisville, is very classy.

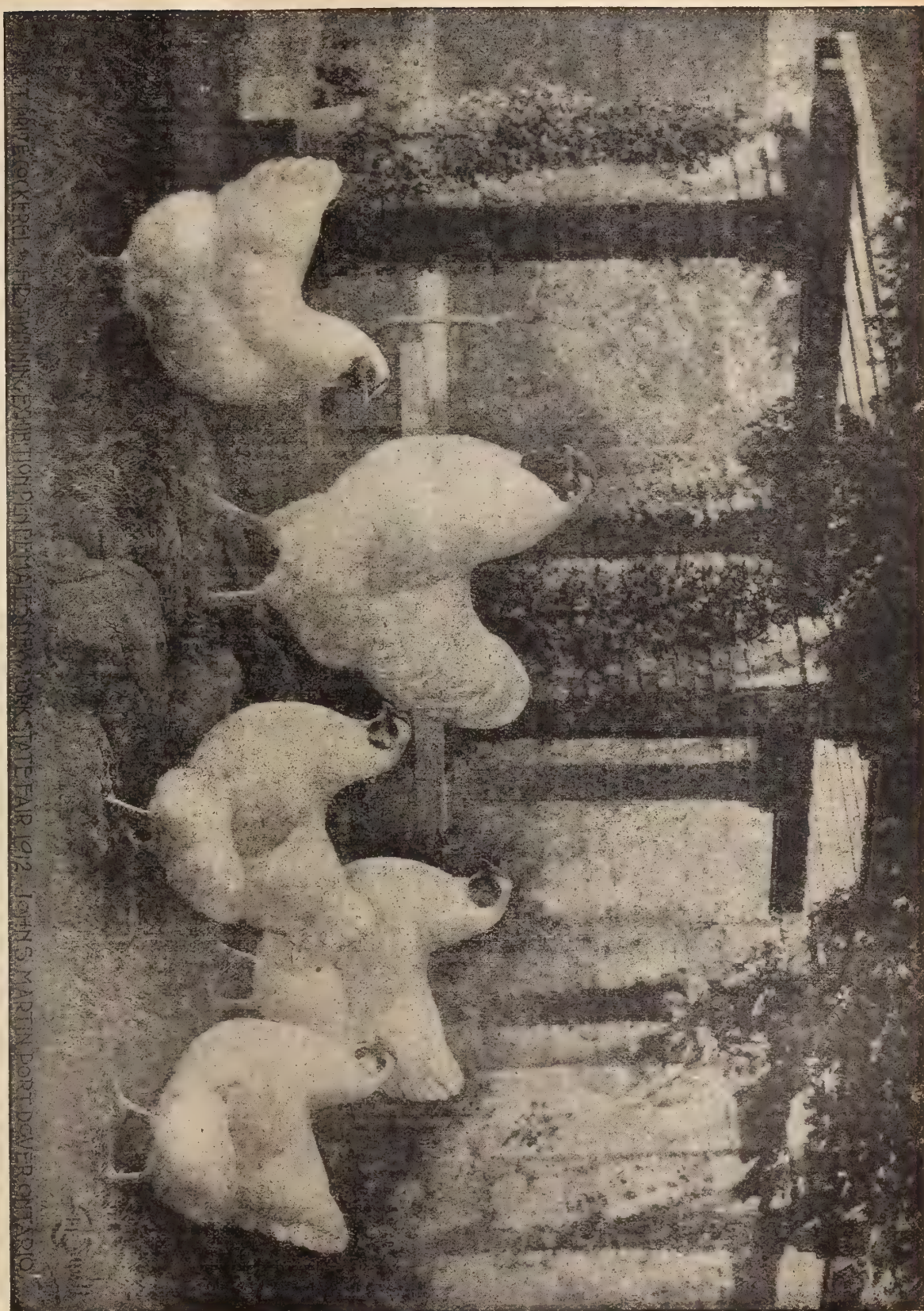
W. A. Besuden, proprietor of the Wahebe Bantam Lands, Cincinnati, had a display of White, Black, Buff and Part-ridge Cochins Bantams, and dozens of silver cups at the Cincinnati show that was one of the attractions—always a crowd around them.

The Twentieth Century Hatchery, Chatfield, Ohio, furnishes baby chicks from ten leading varieties. The ventilation system is so perfect and the conditions of everything so sanitary that the Twentieth Century chick are as strong and husky as young bears. They are shipped from coast to coast and live to grace and win many show rooms where they are entered.

C. L. Patterson, of Barberton, Ohio, Columbian Wyandottes, won the following prizes in very strong competition at Cleveland Jan. 20-25; second pullet, second cockerel, second pen, third cock and third hen. Mr. Patterson's Columbian Wyandottes are especially strong in pure white with sharp, black points, and are grand in type and size.

M. C. DeLoof, Willoughby, Ohio, won with his Rose Comb Rhode Island Reds at Youngstown, first and fifth cock, second and third cockerel, fifth pullet and shape special on males, second pen. And at the State meet at Cleveland, Jan. 20 to 25, 1913, on three entries—won second cockerel and first pen, proving them second to none.





WHITE COCKEREL. F. J. WYANDOTTES. YORK STATE FAIR 1912. JOHN S. MARTIN, PORT DAVENPORT, IOWA

Perhaps no other autumn exhibition in America attracts a finer lot of the season's production of standard-bred fowls than the great New York State Fair at Syracuse, held this year September 9-14. It gathers many of the best birds of the east as well as many from Canada. Breeding to win at this early exhibition requires quick growing strains of exceptionally strong vitality combined with utmost vigor. This, John S. Martin, Port Dover, Can., breeder of "Regal" White Wyandottes, has kept in mind. He has bred for these qualities first and then for Standard shape. Through the regular use of reliable trap nests his best layers and their type are recorded and tested. In this way Mr. Martin serves the practical interests of the poultry industry. He enjoys it and it pays him well. It is only a little way over the border to leading American shows, where he has exhibited many wonderful specimens of his White Wyandottes. The females of his first prize exhibition pen at New York State Fair, grouped with his first cockerel, illustrate the product of his skilful breeding. At the time of our autumn visit the flocks of Mr. Martin's place totaled about 2,500 birds. This included many flocks of early grown young birds that by the first of November were matured into show form.



## DE VOSS' COLUMBIAN PLYM. ROCKS

Winners Tri-State Fair, Memphis, Tenn., and at great Boston Show. Exhibition and breeding birds for sale. Have a number of good utility pullets at \$2 each. : Lee W. DeVoss, Box 1293, Greenfield, Ohio

## COLUMBIAN WYANDOTTES

Select exhibition stock. Ready for early shows. My customers are sure to win from our selection. Many have been pleased. To make room I will sell one extra good pen of 8-yearling females and male at \$20. Write for literature in full description of the breed.

C. L. PATTERSON

BARBERTON, OHIO

**F.P.C. CHICK MANNA**  
 Introduced 1884  
 The Original, First Offered and Leading Special Prepared First 10 Day Food  
 Starts CHICKS, TURKEYS, PHEASANTS, Healthy, Strong and Vigorous  
 A Complete Food. "They not only like it but thrive wonderfully on it."—M. K. Boyer.  
 Recognized unsurpassed. Sold by leading poultry supply dealers. Ask your dealer for it. Insist on having it.  
 1 lb. feeds 15 chicks, 5 lbs feeds 75 first week. Send for special introductory offer & Poultry Supply Price List.  
**F. P. CASSEL & SON, Manufacturers** **LANSDALE, PA.**

## Cretaceous White Wyandottes

The sky is the limit of their quality. Eggs—Eggs—Eggs. Clean sweep at the big shows. First pen Cleveland, O. All firsts Wellington, O. Silver cup for best display Wyandottes. Silver cup and specials for best pen in American class. Mating list.

W. R. SHEPARD : BOX A : WELLINGTON, OHIO

## MAWER'S R. C. REDS

Pen I headed by 1st Cleveland cock, also winner shape and color specials. Won last year as cockerel at Chicago, Cincinnati and Cleveland. Eggs, \$8 per 15. Pen II headed by "Governor," 1st Cleveland '12. Also winner of two specials for shape and color. Headed 4th Chicago pen last Dec. Eggs, \$5 per 15. Pen III headed by "Pres. Taft," sire of all my finest winners. Eggs, \$3 per 15. The females in these pens are grand type and rich red. Order direct from this ad. The supply is limited.

Robert Mawer

Perrysburg, Ohio

## Tompkins' Rhode Island Reds Both Combs

Better now than ever before. Hundreds of high-class breeding birds at reasonable prices. Write us before ordering elsewhere. Eggs from high class pens.

Concord Poultry Yards, Harold Tompkins, Prop., Concord, Mass.

## S.C. Black Orpingtons

Herrick Poultry Yards have been breeding Blacks for eleven years. My winnings at such shows as Chicago, St. Louis, Cleveland and Detroit are positive evidence that I have quality. Some choice stock for sale. Kindly let me quote prices. Please mention American Poultry Journal when writing.

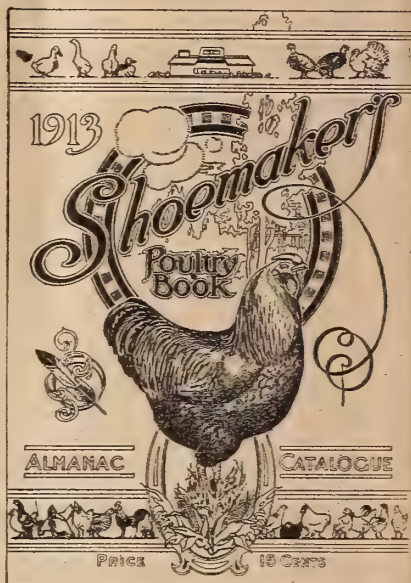
Herrick Poultry Yards : Box 612 : Durand, Michigan

**PALMER'S WHITE ROCKS**  
 Win silver cup for the best male bird in the entire show, Rochester, 1912-13; also best display; winning first cock, first, third and fifth cockerel, first and second hen, third, fourth and fifth pullet and fourth pen. Years of selection has made them layers as well as winners. Cockerels, hens and pullets for sale. Mention A. P. J. when writing.  
 "The Glen" Poultry Farm, Box A, Fairport, New York

**PRESCOTT'S ORPINGTONS**  
 BUFF, BLACK, WHITE AND DIAMOND JUBILEE  
 Located in their new home. We are only 23 miles from Boston, on the main line of the B. & M. R. R., which gives us the best of train and express service. We have a grand lot of Orpingtons and are prepared to furnish both old and young stock. If you need anything good in Orpingtons let us hear from you. Eggs for hatching in all 4 varieties.  
 H. B. Prescott, 75 Salem St., Andover, Mass.

## SHOEMAKER'S POULTRY BOOK AND ALMANAC-CATALOG FOR 1913.

The illustration presented, herewith, gives a faint idea of the beautiful title page of this book since it is impossible for us to reproduce the rich colors of the page. For more than a quarter of a century this book has been presented to the poultry public annually. The book for 1913 consists of 224 pages and cover embellished with many colored plates of fowls and appliances and as usual contains a great amount of valuable information for the fancier as well as the farmer. It also contains illustrations and descriptions of the many varieties of fine fowls on the great Shoemaker Poultry



Farm, descriptive illustrations of houses, yards and other equipment on the farm. The information found in this book includes valuable plans and illustrations of poultry houses, care of poultry in its various branches to insure greatest success and profit, detailed prices on pure bred fowls, eggs for hatching, incubators and poultry supplies of all kinds. It should be in the hands of every A. P. J. reader and will be mailed postpaid for 15 cents if you address C. C. Shoemaker, Box 605, Freeport, Ill.

Niemann Bros. Mfg. Co., Mt. Olive, Ill., are manufacturers of Poultry Buildings and Fixtures of the highest quality. Why waste your time, money and patience in trying to operate your poultry plant successfully with home-made brood coops, trap-nests, etc., when you can get up-to-date fixtures of this kind from the above mentioned firm at a price anyone can afford to pay. All goods put out by them are made of the very best material, and with proper care, will last a lifetime. This firm has been advertising in our columns for several years and during that time have given perfect satisfaction to every one of their customers. You can therefore depend on getting just what you pay for. They have a large catalogue which fully describes all articles manufactured by them. Send for one to-day. It will be sent free if you mention American Poultry Journal.

## Don't Feed Green Food

Do away with all the bother, the time and labor of feeding your chickens green sprouted oats, cabbage, beets, roots and all other green food.

**Succulent Tablets**  
 Save One-Half the Cost  
 Greatest discovery ever made in the poultry industry. Simply dissolve a tablet in drinking water and forget about green foods. Fowls drink it with relish. We guarantee satisfactory results or refund money.  
 By Parcels Post Only 250 large tablets 1.00  
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 Remit by money order, cash or check; no stamps accepted. Try them at once, and solve the green food problem forever.  
 THE SUCCULENTA CO., Box 405-Q Newark, N. J.



# WHITE PLYMOUTH ROCKS



Superior egg-producing qualities has gained for them the great popularity they now enjoy and which no other variety of poultry has ever obtained. If you are contemplating rearing a few fowls buy the variety you know has proven their excellent qualities. If already a breeder of White Plymouth Rocks, why not head your pen or flock with one or more of

## U. R. FISHEL'S

selected breeders. Remember we have for sale several thousand selected breeders and utility fowls, among this number being several hundred strong, vigorous, farm-reared, husky cockerels that will stamp that Fishel Quality on your flock. Our continuous winnings at 22 largest shows and 5 international expositions prove to you we can give you blood lines no other White Plymouth Rock breeder can give you.

## "THE BEST IN THE WORLD"

has been the claim made for our White Plymouth Rocks ever since we began breeding them over twenty years ago, and as Prize Winners and Egg Producers they are conceded to be "The Best In The World." Our matings this season are by far the best we have ever owned. Our prices for eggs remain the same. Send 25 cents for 64-page book telling all about our 120-acre poultry farm. Tells how and what to feed, how to build, how to care for chickens, etc.

Eggs	-	-	-	\$10 per 15	Sale Stock Eggs	-	\$10 per 100
Baby Chicks	-	-	-	\$1.50 each	Baby Chicks	-	\$25 per 100

**U. R. FISHEL :: BOX A :: HOPE, INDIANA**





A mild, open winter with hens daily exercising out of doors.

The early reports on fertility are very good.

With the great Pittsburgh show on this week the season of 1912-13 closes. More and larger shows were the rule, insuring the most successful year.

Better birds and more of them were the conspicuous features. A close second were the new exhibitors seen and the records they made.

We hope our readers appreciate our show reports. We aim to give credit where due. Worthy specimens seen receive comment whether shown by advertisers or not.

There is nothing small about the Dollar Journal; not even its size or circulation. Compare both.

The Pittsburgh Fanciers' Club's fifteenth annual show is on this week, larger than ever, with close to a thousand entries returned. This is the quality show of this section and no mistake.

Mr. E. B. Thompson makes a strong

candidate for president of the A. P. A. The members as we know them have desired a breeder for this office for some time. They now have the opportunity to vote for and elect a breeder who is well known to all.

From a Journal man's point of view, I believe the Journal men have had about all that is due them for some time to come.

We ask absolutely nothing for ourselves, or for any Journal friend. Strange, isn't it?

Secretary S. T. Campbell has made an ideal official, always prompt and always capable. We believe he deserves re-election.

Mr. Chas. D. Cleveland writes that he is not a candidate for president, but would accept election to the executive board of the A. P. A. We are pleased to heartily recommend him for this office.

Vierheller Bros., Pittsburgh, Pa., Buff Rocks made a beauty record at the club show held at Springfield, Ill., when they won, in one of the largest classes ever brought together, first pen old,

third pen young, third cock, second cockerel, first pullet, club championship cup for best cock, cockerel, hen and pullet, cup for best display, cup for best pen, etc.

At the Pittsburgh Exposition show they won all five firsts. This line has been an important factor for some years.

We lately spent part of a day with Mr. F. E. Hering, South Bend, Ind. Mr. Hering has several strong matings of S. C. White Leghorns. In males he is exceptionally strong in type, sound color and size.

We note that there is a doctor who claims housework will cure almost any of woman's numerous ailments." Sort of a "dishpanacea," so to speak.

The Woodview Farm, Mr. Jno. Pringle, Prop., London, Ont., has a strong line of Barred Rocks, White Wyandottes and S. C. Reds that have been winning for birds. Birds of vigor and quality feature this line.

The breeders of Canada present for member of the executive board Mr. Richard Oke, best known as Dick Oke. Dick has thousands of friends in the U. S. A. who wish him well and will vote for him. Canada should be represented and Dick is the man.

The breeders' busy season is here. With matings made the hatching season follows. The call for hatching eggs promises to be larger than for three years past. Prospects for strong fer-

## Write Your Name on a Post Card Today for this Big 120-Page POULTRY BOOK **FREE**

### GREATEST POULTRY CATALOG EVER PUBLISHED

You will be surprised at the amount of valuable information this big 120 page catalog contains—and the good part of it is, it is just the kind of information you want. For example the very first article is "Poultry Possibilities on the Farm"—tells how you can raise poultry and make five times the profit you can in pork or beef.

#### Partial List of its Contents:

Which Breeds are Best.  
How to Select Breeders, Layers, Etc.  
How to Feed Layers.  
How to Fatten and Feed Chicks  
How to Grow Ducks.  
Poultry Buildings.

Winter Laying Houses.  
Incubating the Eggs.  
Lamp or Fireless Brooders.  
Diseases—How to Prevent and Cure.  
What Systems are Best and Many  
Other Important Topics.

In the 30 years we have been building incubators and brooders we have never published such a helpful, instructive and valuable book. It also tells how the big, leading poultrymen conduct their poultry farms—gives their experiences—the kind of equipment they use. No catalog published approaches this new book. Describes the

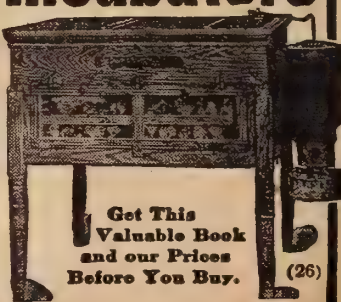
## 1913 Prairie State Incubators BROODERS, HOVERS, COLONY HOUSES

which have maintained the lead 30 years as the most successful, efficient and economical machines made. The Sand Tray Prairie State Incubator is a decided improvement over others. No other machines are fitted with this Special Device which accounts for its big hatches of strong, vigorous "chicks that live." Catalog fully explains this. The Prairie State Universal Hover is another exclusive improvement for rearing chicks. It reduces the death loss by furnishing ideal brooding conditions. With this device and a piano or dry goods box you can build your own brooders. You ought to

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See what the successful ones are doing—see what the best equipment will do for you and how you can make the most money in the shortest time, with least trouble and expense.

PRAIRIE STATE INCUBATOR CO. 468 Main Street, Homer City, Pa.





tility and a great demand for eggs are most encouraging.

Eggs for hatching are the solution of obtaining the best of stock by the breeder of moderate means.

It is an error to think that all you have to do to get good stock is to buy the best eggs and hatch them. Care and proper feed are just as important. The best of eggs will not mature their standard of quality unless the best of attention is given the growing chicks. Feed often and well, with proper variety; house well, and keep them clean. It is the attention to the little things that insures success.

Mrs. Hoyle—"Are they in our set?"  
Mrs. Doyle—"No; they are not even in our parcel post zone."

What we saw at the Ringlet home is given in another column. Mr. Thompson has quality and quantity this season par excellence.

In hatching eggs, either under hens or in an incubator, it is always advisable to use liberal moisture. In hatching with hens sprinkle the eggs from three to five times with lukewarm water, the last wetting on the eighteenth or nineteenth day.

If your incubator is not fitted with a sand-moisture tray, place a shallow pan with water under the egg trays or wet down the eggs as told above.

The Pittsburgh Fanciers' show is larger and better than ever, with superb quality. Full show report in our next issue. This is a true fanciers' show, managed by the best sort of fellows and royal fanciers.

Mrs. Jos. P. Hildoefer gave a dinner to the judges and breeders, at which the following spoke, with Mr. Geo. Ewald as toastmaster: F. L. Ober, Wash Moore, Jern Poley, Frank Bran, Lou Vierheller and several others of note. A most pleasant affair.

Mr. J. S. Brady, Parkers Landing, Pa., made a notable winning on his White Orpingtons, winning four first prizes and special for best pen in the show. Mr. Brady has made a great record here before but never as good as this. This is the only show he has

made this year. He surely has the goods.

The Shenley Heights P. Y., Pittsburgh, again made their usual record by duplicating their win at Cleveland. Here again they won all five firsts in S. C. Reds and special for best cockerel at the show. Also color and shape specials.

Hamburg Bill is now representing the Fancier. Well, well, we can now have the pros and cons to all questions debated in the one paper.

"Bill" stands well with the breeders. His years of work are known and we wish him success in his new field.

"Pundy" made good at Pittsburgh

## BARRED PLYMOUTH ROCKS

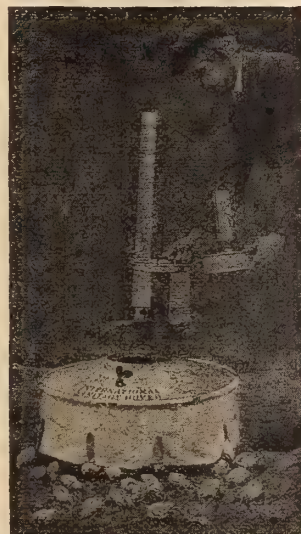
Bred for business and show-room requirements. If you are interested in a heavy laying strain with exhibition quality write me for show record and prices on such as you need. Get my 1912 mating sheet if you need eggs for hatching.

O. L. KING, : ROCKFORD, ILLINOIS

### Only Live Chicks Count

It is not the number of chicks hatched, but the number raised, that makes a poultry farm profitable. Chicks trampled to death or smothered in the brooding represent loss.

## International SANITARY HOVER



The only hover that is warmer near the curtain than at the center. This, by causing the chicks to distribute themselves near the edge of the curtain, prevents crowding and assures plenty of fresh air.

The Sanitary Hover can be picked up and carried around with ease and used anywhere. No carpenter work is required to set it up. It is fireproof, unbreakable, absolutely reliable.

More sales are being made of Sanitary Hovers than of any other two makes combined. Sixty per cent. of the Sanitary Hovers sold are replacing other brooding devices. If you are going to raise chicks this spring, you owe to them to investigate the results achieved with the Sanitary Hover.

Indorsed by Kellerstrass, Owen Farms, Wm. Cook & Sons, and America's leading poultrymen generally. The concerns named are breeders of the highest priced birds in the country. Every chick entrusted to a hover by them represents from \$10 to \$100 in value. They use the Sanitary Hover because they know it can be depended on.

Write for booklet containing a full description of the one perfect brooding device—the Sanitary Hover.

INTERNATIONAL POULTRY SALES CO.,  
Box 511, Brown's Mills, N. J.



## Sensation at Chicago Show

### MARTZ'S CHAMPIONSHIP BUFF ORPINGTON COCKEREL

We could not compete, but this living model of the Fashion Plate Book is the best Orpington ever caged in Chicago.

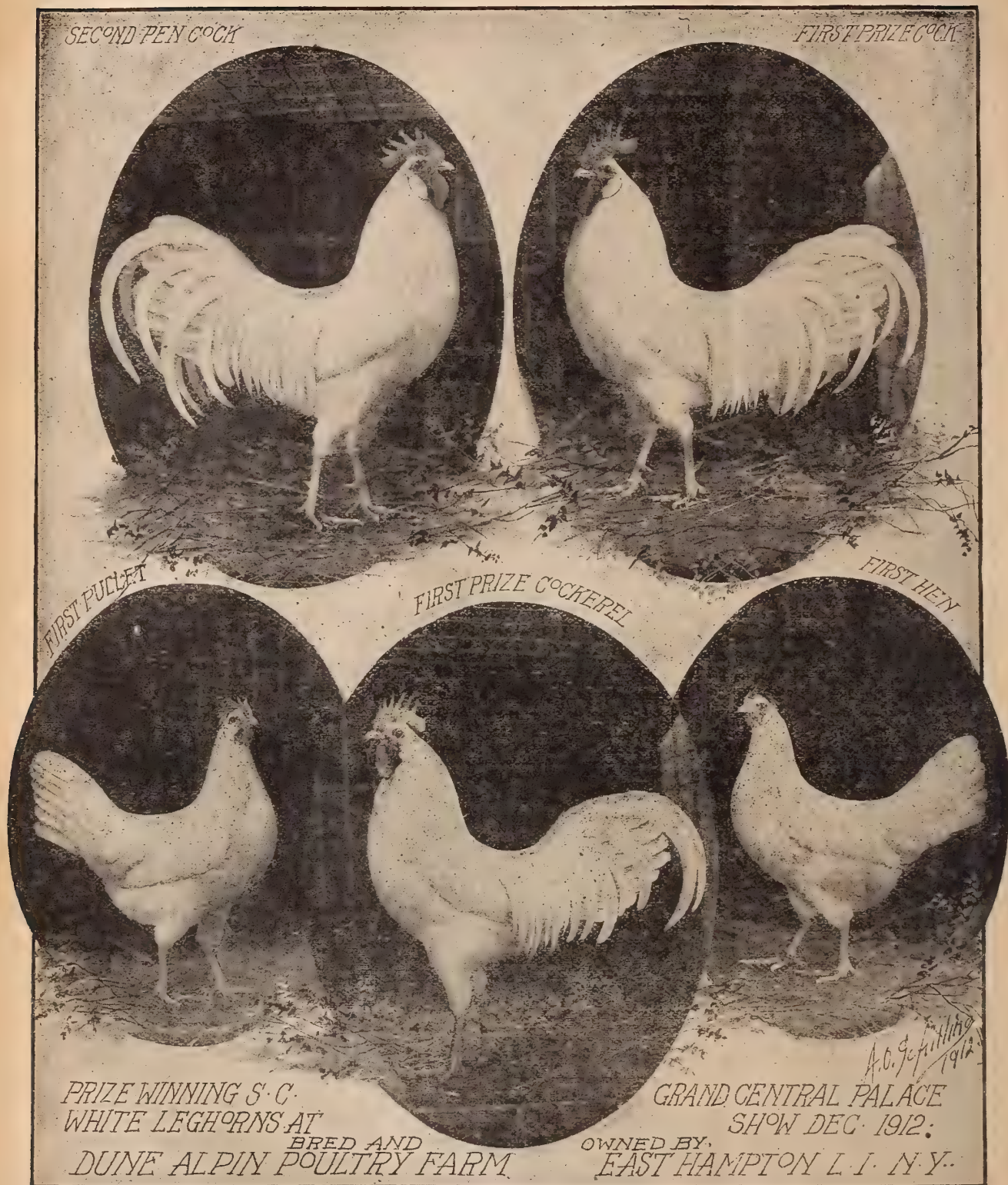
400 cockerels and 600 females finished and ready for sale. Such an assortment of "top notch" breeders cannot be found outside my own yards.

EGGS FOR HATCHING—Twenty-five matings of wondrous color, correct type, with the laying habit bred in.

The big Orpington Fashion Plate Book describes all matings, my wins at Chicago, Indianapolis, Louisville, Memphis, Nashville and the price of eggs—free.

A. E. Martz Buff Orpington Specialist..... Box A, Arcadia, Indiana



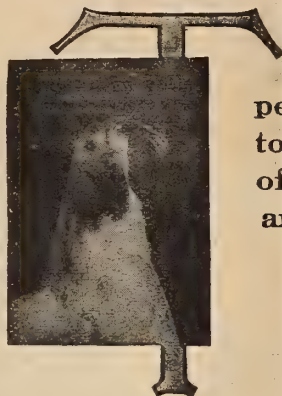


One of the most interesting sections of a Poultry Show to one who admires grace and beauty in fancy Poultry is to our mind the White Leghorn alley at such shows as New York and Boston especially. Here we find the cream of the country assembled in competition, and this past season brought out some specially fine ones. Dune Alpin Farm's wonderful display at Grand Central Palace and Boston Shows, to our mind, stands out as a great achievement in the production of high-class winning White Leghorns. We were afforded the opportunity to make studies of most of their winners, and in doing so we are able to appreciate the wonderful form, grace, and plumage in which they were shown at these two large shows. It is here, when we bring them out of their cages before the camera, we are able to size them up in making studies of them for illustrations, better than in any other way we know of. Many of them were fit for standard models and are equal to the best ever produced by any breeder.—A. O. SCHILLING.



# The Leghorns Standard and Non-Standard Varieties

The Most Complete Text Book on the Popular Leghorn Fowl Ever Issued



HIS new edition consists of 144 large pages and cover, and tells how to select and mate birds for the breeding pen; how to judge Leghorns in the show room, and how to feed for very heavy egg yield and fast growth. Some of the great commercial Leghorn egg farms described and illustrated.

## FULLY ILLUSTRATED

Three Color Plates by Franklane L. Sewell and A. O. Schilling

Text and Illustrations are Brought Down to Date to Conform to the 1912-1915 American Standard of Perfection.

Contributors to this book include the Foremost Poultrymen and Leading Authorities in America and Europe. It is one of the most comprehensive in text and most profusely illustrated publications of its kind ever printed. The illustrations are works of art by America's greatest poultry artists.

### THIS NEW BOOK CONTAINS THE FOLLOWING VALUABLE ARTICLES

**CHAPTER I. THE LEGHORN FOWL:** History of the Origin and Development of the Leghorn Breed; The Brown Leghorns; The First White Leghorns; Origin of Buff Leghorns; First Black Leghorns; Silver Duckwing Leghorns; First Exhibited in England; Origin of Rose Comb Brown, White and Buff Leghorns; Origin of Pyle, Dominique, Birchen, Blue, Golden Duckwing, and Rose Comb Black Leghorns.

**CHAPTER II. LEGHORN TYPE:** Evolution of Leghorn Type. Standard Shape of Leghorns.

**CHAPTER III. BROWN LEGHORNS:** Single Comb Brown Leghorns; Color Breeding in Brown Leghorns; Thirty Years Among Brown Leghorns; Brown Leghorns Past and Present; Rose Comb Brown Leghorns; Symposium by Fifteen Foremost Breeders on Progress Made in Color and Shape; Virtue and Faults of the Variety Today; How the Revised Standard will Benefit Brown Leghorns in the Future.

**CHAPTER IV. WHITE LEGHORNS:** Improvement in Shape; Line Breeding for Improvement in Type and Comb and Systematic Feeding in Obtaining Pure White Plumage; Breeding to Standard Requirements; Rose Comb White Leghorns; Breeding Rose Comb White Leghorns; White Leghorn Symposium on Changes in Exhibition Type, the Laying Type; Flock and Individual Egg Record; White Leghorns for Market; White Leghorn Bodies, Tails and Legs; Heads, Combs, Wattles and Earlobes.

**CHAPTER V. BUFF LEGHORNS:** Buff Leghorns of the Past; Mating for Shape and Color; Modern Buff Leghorns; Buff Color Breeding Problem; Buff Leghorns for Show and Table.

**CHAPTER VI. BLACK LEGHORNS:** Silver Duckwing Leghorns; Red Pyle Leghorns. Standard for Red Pyle Leghorns.

**CHAPTER VII. LEGHORNS IN FOREIGN LANDS:** Leghorns in England; English Buff Leghorns. White Leghorns in South Africa.

**CHAPTER VIII. JUDGING LEGHORNS.**

**CHAPTER IX. COMMERCIAL LEGHORN FARMS:** White Leghorn Farms of Vineland, New Jersey; Egg Farming in California; Egg Farming in Greater New York; Building up a 200 Egg Strain; Leghorn Broilers for the Hotel Trade; How to Make White Leghorns Pay; Typical California Leghorn Farm; Feeding and Housing Leghorns for Profit, a Symposium Contributed to by Twenty Breeders Operating Successful Plants North, South, East and West.

**CHAPTER X. FEEDING FOR BEST RESULTS,** by Grant M. Curtis.



"THE PLYMOUTH ROCKS", or "THE WYANDOTTES"—breed books similar in make-up and size to the one on Leghorns, and containing color plates of these breeds—may be secured at the same price. Either of these books may be substituted for "The Leghorns" if desired.

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## THE BLACK LANGSHAN AS A UTILITY FOWL.

By John A. Rhodes.

**U**TILITY poultry culture does not mean, as a good many people suppose, the keeping of common Mongrel or Dunghill fowls, on the contrary it means strictly pure bred stock, mated for meaty carcasses, good egg records and large and better shaped eggs.

A variety of fowls to become popular with the people must have something especial to commend it. It must be a good layer, or a fine table fowl, and

if it unites these two advantages with hardiness, docility and beauty, it must become a favorite.

Those who have bred the Black Langshan know that they have all these characters in a pre-eminent degree. That there is no better table fowl than the Langshan is well known to all who have any knowledge of the matter. They lay in winter when the price of eggs are high, they are hardy as the hardiest, gentle, easily kept in yards, a five foot fence will hold them. They stand confinement well, are lively and vigorous.

The Langshan is not a lazy stupid fowl. It is sprightly and active and a

good forager. The docility of the Langshan to me counts for much.

In comparing with other breeds, it is not only as large, handsome, hardy fowls and good layers, but as table fowls with delicately white and tender skins, breasts well covered with choice meat, legs and thighs in proportion when dressed, such as to delight equally the farmer's wife who is proud of her poultry, and the housekeeper upon whose table it is destined to appear, that the Langshan will hold a place; a place which, as a test of quality, no other breed will ever approach.

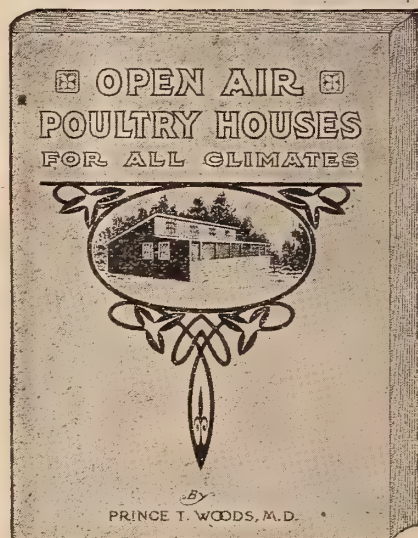
Mr. Cook in speaking of the Langshan in connection with the other breeds

# OPEN-AIR POULTRY HOUSES FOR ALL CLIMATES

*By Dr. Prince T. Woods*

America's Leading Authority on Practical Poultry Keeping

**The best house book ever published. Now ready for delivery. Be sure to read it before you build or make alterations in your poultry houses. Just out. 88 pages, 46 illustrations and 5½x8 inches in size.**



A WELL WRITTEN, WELL PRINTED, WELL BOUND (in cloth)—a REAL BOOK, not a pamphlet or catalog. Just what you are looking for if you want to be successful with poultry. All NEW. Special illustrations from pen drawings and from actual photographs of construction work. Plainly worded. Easily understood. Tells plainly how to build and what to build so that anyone at all used to handling tools can build a good practical open-front poultry house.

### The Three Best "Fresh-Air" Poultry Houses

Tells how to build the kind of houses that the most successful breeders all over the country are building and recommending. Government workers favor these open-air houses. The "Fresh-air House" has come to stay and you will want to build one. It means Better Fowls, Freedom from Disease in the Flocks, Better Egg Yield, Better Fertility, Better Chicks.

### No Matter Where You Live, If You Keep Poultry You Need This Book

There are nine chapters and every one of them full of live interest and helpful information. Just look over the table of contents:

Chapter I—Sunlight and Fresh Air. Importance of pure open air both day and night for all domestic poultry. Relation of sunlight and fresh air to health and vitality. Nature's best aid in the prevention of disease.

Chapter II—Why Use Open-Front Houses. A few more reasons why you should use open-front open-air houses for the comfort and well being of your fowls as well as the betterment of your profits.

Chapter III—Hints and Helps on Building. Tools and amount of experience required. Materials. Suggestions for saving cost, floors, frame, eaves; shingles or roofing. Portable or permanent buildings. Foundations.

Chapter IV—Location of Poultry Houses. Land. How to face the building. Relation to surrounding country. Prevailing winds and wind breaks. Continuous or colony buildings. Yards.

Chapter V—Dr. P. T. Woods' Improved Open-Air Poultry House. New descriptive photographic illustrations showing how to build and actual construction of house built to illustrate this

book and now being successfully used to winter 100 valuable White Plymouth Rock breeders. Dimensions of buildings. Suggestions for building on colony or continuous plan. Building instructions and list of material required for house to be boarded in, up and down.

Chapter VI—Another Plan for Dr. Woods' House. Line drawings showing plans and detail of frame. House to be boarded horizontally. How to build. List of material required. Complete building PLANS.

Chapter VII—The Gillette Open-Air House. The house used in the International Laying Competition. Description, plans and list of material required.

Chapter VIII—H. H. Stoddard's Open-Air Cage Roost. A protected outdoor roost for fowls in warm or hot, dry climates where no houses are needed. Diagrams showing two types of cage roosts. Night quarters which help solve the stickfast flea problem and afford greater comfort for fowls in tropical and semi-tropical climates. Rain tight roof may be provided where frequent heavy rains prevail.

Chapter IX—The Tolman House. Brief description and some views of this pioneer among modern "fresh-air" houses.

### Does This Mean Anything to You? Greater Comfort for Your Fowls, Better Fowls, Better Returns, Bigger Profits

If it does appeal to you, then you want this book on Open-Air Houses. If it does not appeal to you, better read it and find out what others are winning success with. Fresh-air methods have helped others to become successful and make bigger profits. WHY NOT YOU?

Price of "Open-Air Poultry Houses for All Climates," 75c Postpaid. With American Poultry Journal, One Year, \$1.40. Remember Cloth Bound, 9 Chapters, Profusely Illustrated, on High Grade Paper, Only 75c. Canadian Subscription and Book, \$1.65; Foreign, \$1.90

**American Poultry Journal Pub. Co., 542 So. Dearborn St., Chicago, Illinois**



used in the composition of his Orpingtons, he says:

"The Langshan, another good breed, are splendid layers and nice on the table, with good quality flesh, but their eggs are small. Let not those who keep these breeds think I wish in any way to speak against them. Far from it; I merely wish to point out where they can be improved."

Now it has not yet been "proved" that the Orpington is a better bird than the Langshan. Of course there are Langshans and Langshans, and I am speaking of well selected birds from pure bred stock. Langshan eggs will



First pullet Decatur, Ill., Jan., 1913, and special for best color. Owned by I. A. Engle, Latham, Ill.

weigh from 26 to 32 ounces per dozen.

While I do not raise Langshans for the market, but strictly for the fancy, yet I market a few every fall after carefully culling the flock, and they always bring the very highest price that is paid for market poultry at that season.

There is no better table fowl than a Langshan, especially when it is matured. As Capons, they are unexcelled.

The flesh is white, very fine grained, tender and juicy. The skin is a clear white, not a dark bluish white, but creamy white.

The skin of some other breeds is yellow, coarse and jaundiced looking when dressed for the table.

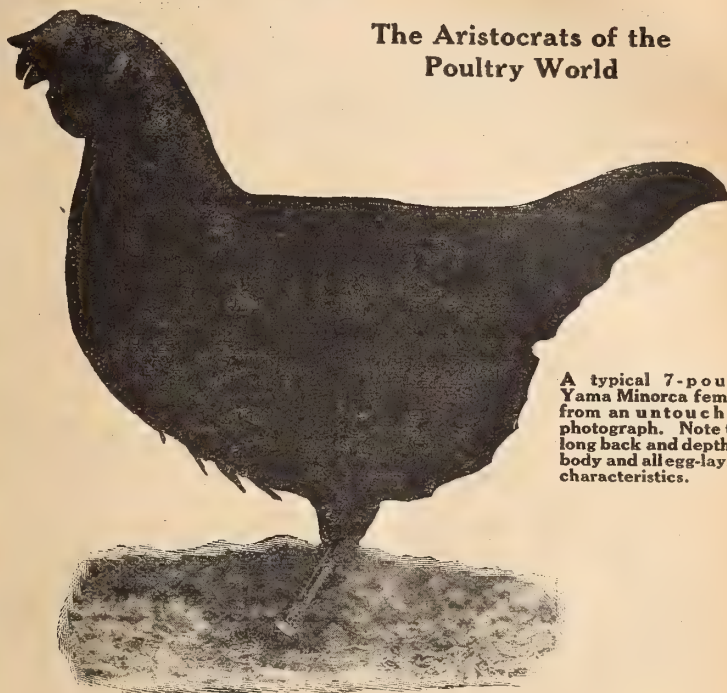
The skin of the Langshan is deli-



Second pen cockerel Springfield, Ill., Jan., 1913. Owned by I. A. Engle, Latham, Ill.

cately white and fine, and very tender. The skin of some other breeds in fact, like the skin of the Negro, indicates a tropical or sub-tropical region as its home; while the skin of the Langshan, like the Saxon, affords evidence of a temperate or cold climate as being its natural habitation.

The chief objection offered against a Black Langshan is, they are black. It is said they are hard to pick and show pin feathers, but I am sure no one that



The Aristocrats of the Poultry World

A typical 7-pound Yama Minorca female from an untouched photograph. Note the long back and depth of body and all egg-laying characteristics.

## Yama Single Comb Black Minorcas

**WE** believe there have never been put together twelve better pens of Minorcas. Every one is headed by prize-winning males—and one of the best judges of Minorcas wrote us on February 17: "I would like to show six of your Minorca cocks against any six in the country."

**Of the 51 cockerels and pullets we have exhibited this Winter at four shows, 42 were placed and EVERY ONE WAS BRED AT YAMA FARMS.**

Eggs for hatching from these pens, \$10 a setting.

Utility Minorca eggs for setting, from brothers and sisters of these selected pens, \$3 a setting, \$15 a hundred.

At Madison Square Garden, N. Y., December 30 to January 4, 1913, Yama Farms won on S. C. Black Minorcas, first, third and fifth cocks; first, fourth and fifth cockerels; first, fourth and fifth pullets; third hen; first and fourth pens; four firsts out of a possible five.

At the last Madison Square Garden Show, we had more Barred Plymouth Rocks placed than any other breeder. There is no better pullet-mating line than we have to-day and our cockerel matings are headed by such great birds as Cock Robin, the first cockerel and championship male at Buffalo, January 1913.

See from our catalogue and show records the kind of Barred Rocks we are breeding. We know the full pedigree of every bird in our pens and have given much care and attention to these matings.

Eggs for hatching from pens Nos. 16 to 22, \$10 a setting, as they run. Eggs, \$1 each if all from one pen.

Utility Barred Rock eggs, \$3 a setting, \$15 a hundred.

Send for our catalogue illustrated from untouched photographs, also our 1913 mating list.

**YAMA FARMS**  
Napanoch, Ulster County, New York

Newton Cosh, Manager Poultry Department



## Armstrong's S. C. Rhode Island Reds

Won 1st Cockerel and Color Special for Best Colored Male—both Cockerels and Cocks competing—at the Ohio State Poultry Show at Columbus, Jan. 13-18, 1913. Eggs, \$3 and \$5 per 15. **R. I. ARMSTRONG : 1054 SULLIVANT AVE. : COLUMBUS, OHIO**

## Columbian Plymouth Rocks

The type I breed is the big boned Rock type. Winners at Chicago, New York, Philadelphia, Etc. Splendid matings. Eggs, \$3.00, \$5.00 and \$10.00. Circulars free.

**F. M. Clemans,**

**Mechanicsburg, Ohio**

## 200 Rose Comb White Leghorns

For Sale at prices to move them quick. All bred from Indianapolis and Ft. Wayne prize winners. The celebrated Kulp strain. Write quick if you want a bargain. Must sell to make room for Partridge Rocks and R. C. Black Minorcas which we intend to breed in the future

**Oakwood Poultry Farm**

**R. R. 11, Box 107**

**Ft. Wayne, Ind.**

## BAWDEN'S BUFF ROCKS

The most consistent prize winners and the best producing strain in the world. No more stock for sale this season. After February 1st, eggs, a limited number, \$10.00 per fifteen.

**John Bawden -:: Box 20 -:- Ridgetown, Ontario, Canada**

## SILVER YWANDOTTES

I have for sale a choice lot of cockerels and pullets bred from my Chicago, St. Louis, Springfield and Kansas City winners. Also some one-year stock. Eggs from pens headed by these noted winners, \$3 per 15, \$5 per 30, \$7 per 45, \$12 per 100. Mention American Poultry Journal.

**August W. Schroeder, Route 1, St. Peter, Illinois**

## HOLTZAPPLE'S S. C. REDS

**BABY CHICKS**

**100 PULLETS FOR SALE**

Have won at Cleveland, Columbus, Toledo and Fort Wayne for years. Latest winnings at Toledo—1st, 2d and 3d hen; 2d cock; 4th and 5th pen. Seven splendid pens mated, all containing prize winners. Eggs from pens, \$3 and \$5 per 15, chicks, 50c and 75c each. Utility eggs, \$3 per 100, chicks, 15c each. Send for catalog

**OSCAR HOLTZAPPLE**

**BOX 48**

**ELIDA, OHIO**

## "SUNRISE" SELF-OPENING POULTRY DOOR



**EQUIP YOUR POULTRY and COLONY HOUSES** with our **AUTOMATIC Self-Opening Doors**. Protects your fowls against night marauders. Automatically opens at daybreak and gives your poultry the benefit of the supply of worms, bugs, etc., which nature supplies them so abundantly only in the early hours of the day. It means dollars and cents to you in **Healthier and Heavier Stock, More Eggs, Higher Percentage of Fertility and Stronger and Hardier Chicks**. Attached over the old opening in a few minutes. Never fails. Very simple. No clock-work or other complicated mechanism to get out of order. Made entirely of metal. Vermin, storm and weather-proof. Two sizes, **REGULAR \$1.90, CHICK SIZE \$1.75**, from your dealer or direct from us upon receipt of price. **MONEY BACK IF NOT SATISFIED**. Just give it a trial; after that, you'll not do without for 10 times the price. Agents Wanted everywhere. Sell at sight. Send all orders and inquiries direct to **Automatic Poultry Door Co., Dept. 2, 6337 Wayne Ave., Chicago**

## 10,000 Roup Remedy Samples FREE



We want to send to every reader of this paper a **Free Sample of B-K (Bacili-Kil)** the new non-poisonous, powerful, scientific compound which leading poultrymen say "knocks roup and kindred diseases quick." We want to prove it to you **before you buy**, therefore send for **Free Sample** today.

**10 times as powerful as carbolic acid, but Non-Poisonous**

**B-K Bacili-Kil**

**Odorless, Colorless, Germ Destroyer and Disinfectant**

For Cholera, Roup, Gapes, White Diarrhoea, etc. Will not cause fowls to drink less nor hens to slack up laying. Solves the poultry disease problem. Cost is trifling. One drop of B-K in 5 tablespoonfuls of water kills the roup germ.

Read this: "Received the 2 gal. B-K and like it very much. Our hens and chicks were dying with Roup and Cholera. We put B-K in the drinking water and sprayed the coops and houses and it did the trick all right. Our hens were coughing and we gave them B-K and they were soon well and healthy."—**HENRY A. TAYLOR, Elkhor, Wis.**

Send for sample—prove it on your own fowls and farm animals. You'll be amazed at the results. Don't wait. Now is the time to test it—not after you have suffered heavy loss.

**GENERAL PURIFICATION CO., 625 Pioneer Bldg., Madison, Wis.**

has ever dressed a pure bred Langshan will raise such objections. The Langshans are a rather loose feathered fowl, unlike the short and close feathered Black Leghorn, Minorca, or the Black Spanish, and they are for this reason more easily picked and show but few pin feathers.

As egg producers the Langshan unquestionably take front rank.

They will lay as many eggs the whole year round as any other breed, and in winter when eggs are scarcest and command the highest price they will lay proportionately more. This proposition has never been successfully contradicted.

Mr. Hausman, in an article on "Fowls in Winter" says:

"Whenever I find an old hen beating all the pullets, or even able to keep pace with them in laying, I cannot destroy so faithful an old servant. I have now a Langshan hen laying freely in her sixth year of laying, and but for a few days at a time she has scarcely ever stopped except to hatch a brood every year since she began. Last fall she did not perform her moult at once, but began to get a few new feathers in October, and has gone on gradually exchanging her old for new feathers which are not yet at full growth. When she means to take a holiday I don't know, but suppose she will take it out in hatching by and by."

Our hens commence almost invariably to lay while still cooped with their chickens. It is a common thing to see them grouped around their mother waiting for the event. Very many of the hens will continue to foster their chickens for a long time, giving them this divided attention.

In summing up the lessons learned in the first year of the Missouri egg laying contest, Mr. T. E. Quisenberry says we have learned:

"That there is no breed or variety which far excels other varieties or breeds which are in general use as far as egg production is concerned.

"That you should select the variety which suits you best as to color, size and shape, and breed them up until they satisfy you as to quality and productiveness.

"That the egg yield from Mediterranean is affected by extreme cold more than the other classes of fowls, because of the fact that they are closely feathered, larger combs and smaller bodies."

Any who look solely to utility farming to keep up the profits would do well to consider the addition of some good Langshans to their yards.

The quality which I have enumerated are the ones that combined make a good all purpose chicken, and it may be claimed with assurance that the Langshan is of this sort. I believe there is no fowl among the many breeds that is more profitable to raise. One trial of this excellent breed will quickly convince any one of the correctness of these statements.

G. F. Stewart, Coshocton, Ohio, the exclusive breeder of Silver Laced Wyandottes, won at Cleveland Jan. 20 to 25, first and second hen, second pullet and first pen, on four entries. His Laced Wyandottes are simply wonderful in lacing, and fine marked wings.

C. A. Besuden, Cincinnati, now at Cincinnati show with his Puritan Partridge Plymouth Rocks: Cockerel, 1-2; hen, 1-2-3-4; cockerel, 1-3; pullet, 1-2-4; pen, 1-4; silver cup given by Partridge Plymouth Rock Club for best second cockerel; cup for champion cock.





## Henry Steinmesch ST. LOUIS, MO.

Breeder, Importer & Exporter of High Class

### Silver Wyandottes

Eggs for hatching, \$5.00 for 15  
\$8.00 for 30

MATING LIST ON APPLICATION. Address

**Henry Steinmesch** 220 Market Street  
ST. LOUIS, MO.

I have 2 pens of imported English Silvers, one Cockerel mating, one Pullet mating. Will sell a limited number of Eggs from either of these two pens at \$10.00 for 15.

## Cleveland's Buff Orpingtons

Win at the great Chicago Coliseum Show in one of the largest and strongest classes ever shown—third cockerel, third and fourth pullets and fourth young pen. Send for mating list, describing pens mated and giving prices of stock and eggs. Mention A. P. J. when writing.

**Frank C. Cleveland :: Morgan Park, Illinois**  
THIRTEEN MILES FROM CHICAGO ON R. I. SUBURBAN



## White Rocks

I offer you eggs for hatching from my "De Luxe," mating, headed by a cockerel that won at the Illinois State Fair, Quincy Poultry Show, and Illinois State Show (The National White Rock Club Meeting Show), where he defeated Owen Farm's cockerel that won 1st at Chicago for \$7.00 per 15 eggs. Express charges prepaid. The mother of this cockerel laid 210 eggs in one year, and he is mated to my very best females. Eggs from my other special matings \$4.00 per 15; \$18.00 per 100. Express charges prepaid. From a large flock of high-class birds \$2.00 per 15; \$7.00 per 100. Extra high class breeding cockerels, \$5.00 each. Show cockerels \$7.50, \$10.00 and \$15.00 each. Mating list free.

**CHAS. A. SIMMONDS**  
CAMP POINT -- ILLINOIS

## S. H. HARTER'S Imperial Golden Buff Ply. Rocks

Set the seal of championship at the imperial show of all America, Madison Square Garden, New York, winter of 1911 and 1912, winning as follows: 1st, 2nd and 4th hens; 1st, 2nd and 5th pullets; 2nd cockerel; 5th cock; 2nd and 3rd pens; gold special for best display. At the Buff Rock Club meeting at Boston, 1912; 1st, 2nd and 3rd hens; 1st pullet; 6th cock; 4th pen; color and shape specials on females, in a class of 37 hens and 48 pullets. Let us supply you with exhibition birds, breeders or eggs. Write for mating list. Eggs, \$5 and \$10 per setting.

**NESCOPECK POULTRY FARM**  
S. H. HARTER, PROP., BOX A. NESCOPECK, PENNA.

## TOO LATE TO CLASSIFY

**PARTRIDGE WYANDOTTES, EXHIBITION**  
stock. Eggs, \$2.00 for fifteen. Smith Realty Company, Box 487, East St. Louis, Ill. 3-5

**LAKENVELDERS—OUR FOLDER** awaits you. Owlshands Farm, South Hammond, N. Y. 3-5

**FIFTEEN PARTRIDGE WYANDOTTE EGGS** one dollar. H. B. Scranage, R. 4, Grafton, West Virginia. 3-5

**BOURBON REDS**—Eggs from my choicest hens mated to 1st old tom at Madison Square, 1913, \$10 per 11. From very nice hens mated to 1st young tom at Madison Square, 1913, \$5.00 per 11. Charles W. Jones, Holmdel, N. J. 3-5

**BLACK MAGPIES.** Sacrifice, 50c each. Both sexes. Or will exchange for Indian Runner Ducks. Will. Schallert, Johnson Creek, Wis. 3

**RING NECK PHEASANTS** in full plumage. Home raised Golden and Ring Neck eggs in season. Louie J. Smith, Tekonsha, Mich. 3-5

**"RINGLET" BARRED PLYMOUTH ROCKS.** Having purchased the good will and the most of Ringlet Hill Poultry Farm's Best Matings I am ready to furnish you eggs from very best stock to rear your Blue Ribbon winners. Mrs. J. T. Powell, R. F. D. No. 2, Gardner, Ill. 3-5

**BUFF ROCKS—COCKERELS,** \$1.50. Eggs, \$1 per 15, \$5 per 100. Nugget strain. Clara Orr, Kirtlin, Ind. 3-5

**BLUE ANDALUSIANS.** Best winter layers. Eggs, \$1.50 per 13. Geo. Gray, Collins, Ohio. 3-5

**TECKTONIUS R. C. BUFF Leghorns.** Pens contain winners of largest shows. Eggs, \$2.50, \$4.00. H. O. Tibbitts, Rt. 4, Brunswick, O. 3-5

**SINGLE COMB BUFF ORPINGTONS,** fine strain. Eggs, \$2 per 15. C. R. Ream, R. D. 3, Hampshire, Ill. 3

**BLACK, BUFF, WHITE ORPINGTONS** of phenomenal size and type. Males 12 pounds, females 10½. Eggs ¼ less than big breeders charge. Get circular. Knowles, 1535 Kenilworth Ave., Rogers Park, Ill. 3-5

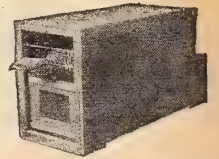
## ONEIDA

**Indian Red Strain R. I. Reds.** Stock is farmed. Some choice exhibition and breeding birds. Large catalog free. Ontario View Poultry Yards, Oneida, N. Y.

The Only Trap-Nest that  
the EGG closes the door.

Shipping Coops, Live Chick  
Boxes, Egg Boxes, Lice Re-  
mover, etc., etc. Send for  
Poultry Supply catalogue.

**WARNER**  
The Coopman  
RIVER ST. :: ALLEGAN, MICH.



## MORE MONEY IN Belgian Hares THAN IN POULTRY

We have issued an illustrated booklet, "Why You Should Breed Belgian Hares," which is comprehensive and complete. It gives you the history of the Belgian Hare, together with facts as to the profit in raising them, how to house and feed them, how to mate and breed, care of the young, recipes for cooking, and many valuable notes. The regular price of this booklet is ten cents, but we will send it to you FREE upon receipt of a postage stamp. Write us today.

**M. E. POPE & COMPANY,**  
Breeders and shippers of "The Finest Hares That Grow." Executive Office 210 West 56th St., New York.

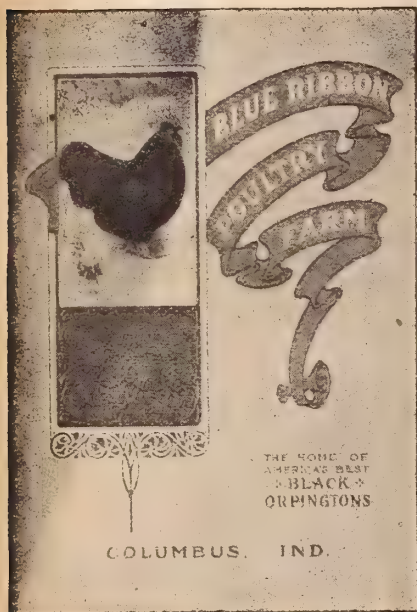
## Poultry Cuts That Sell

There is as much importance attached to buying the cuts that are to go into your Catalogues and Advertising as there is in selecting your strains for breeding. We are the only firm in the country specializing on Breeder's cuts only. We have spent years studying stock engraving and stock photograph retouching. Write us for our free booklet, "Poultry Advertising" and other information.

**BREEDER'S ENGRAVING CO.**  
Suite 519-B Telephone Bldg. Indianapolis, Ind.



The Blue Ribbon Poultry Farm catalog of Black Orpingtons is without any doubt the handsomest book ever issued on this variety. Containing some of the best



information on this breed will make it most desirable for the breeder. They send it free; it is easily worth a dollar.

OCULUM increases egg yield 20 per cent: a free trial; ad page 594.

## ANCONAS, BUTTERCUPS, SILVER ...CAMPINES AND BREAKELS...

World's best utility fowls. Eggs for hatching. Better book them early.

**E. O. GREEN, PORTLAND, INDIANA**

## Poultry Farm For Sale Or Lease

We have a fully equipped Poultry Plant for sale. We will sell land and business, etc., or will sell poultry business and lease the land for a term of years to suit purchaser or will lease land and business. Cause of disposition death. Interested parties address,

**WHITE LEGHORN POULTRY FARM, PEKIN, ILL.**  
**Bergstresser & Fisher, Props.**

## Alberding's Beauties

S. C. Buff Orpingtons, Owen Strain direct, and S. S. Hamburgs of quality. A few choice ckls. for sale. Eggs for sale at reasonable prices. Correspondence solicited. My latest winnings at Logansport, Ind., January, 1913, the Buff Orpington class was the largest of any variety in the show. I entered four birds in this class and won 1st cockerel, 1st pullet, special and club ribbons for best cockerel and pullet. S. S. Hamburgs—1st, 2d cockerel; 1st, 2d, 3d pullet; 1st, 2d, 3d hen. Write me your wants. Mention A. P. J.

**H. F. Alberding, N. Judson, Ind.**

## ROCKHILL POULTRY FARM

OSSINING, NEW YORK

Write us about our Blue Ribbon Silver Penciled Rocks, White and Columbian Wyandottes, Buff Cochins Bantams, Single Comb Leghorns. We can please you.

## VIERHELLER'S BUFF ROCKS

Special sale of last year's prize winning cocks and hens. This is your chance to get something good.  
**VIERHELLER BROS. : 17 SYLVANIA AVENUE : PITTSBURG, PENNSYLVANIA**

## Tolman's White Plym. Rocks

Baby chicks and eggs for hatching. When you order from Tolman, you get the best at a popular price. Eggs and chicks now ready. Circular and price list free.

**Joseph Tolman -- Dept. H -- Rockland, Massachusetts**

## SILVER WYANDOTTES

EXCLUSIVELY

Our Winnings for the Winter of 1912 and 1913, to Date:

Place	Date	Cocks	Hens	Ckls.	Pul.	Pens	Specials
Omaha, Nebraska.....	September	1-3	1-2	2-3	1-3	1	3
Little Rock, Arkansas.....	November	1-2	1-2-3-5	2-3-4	1-2-3-4	1-2	8
St. Louis, Missouri.....	November	2-3-4-5-7	1-3-4-5-7	1-2	1-2-4-7	1-2	36
Sioux City, Iowa.....	December	2-3	1-2	1-2-4	1-2-6	1	5
Granite City, Illinois.....	January	1-2	1-2	1-2	1-2	1	10
Springfield, Illinois.....	January	1-2-3-5	1-2-4-5	2-3-5	1-3-4	1-3	10

We have a large part of these birds for sale. If interested get prices. Also a large stock of utility birds, good breeders and other show birds for sale at right prices. No eggs, no baby chicks.

**A. & E. Tarbox, Box A, Yorkville, Illinois**

## Prize Winners at Best Poultry Shows

### S. C. WHITE ORPINGTONS

We have a large farm devoted to the raising of fine poultry. Fresh air, clean water and exercise assure healthy stock and eggs sure to yield hardy chicks. Single comb white Orpingtons raised from premier stock. Descendants from the finest ancestry. Our finest birds withheld from the season's shows for breeding purposes. We have some excellent stock ready for immediate delivery at low prices. Eggs from ten pens. Price \$5.00 up per fifteen.

### W. I. RUNNER DUCKS

White Indian Runner Ducks. Don't have to build a swimming pool for them. Just furnish good drinking water and sand. Are cheaply raised as they thrive on cheap food. They can also forage a good living. Start with well bred birds of this stock and you can easily duplicate our long list of prizes. We guarantee satisfaction or money refunded. Ducks on sale at very low prices. Stock shipped on approval. Eggs priced from \$5.00 up per twelve.

**Walnut Hill Farm, Washington, Pennsylvania**

## Buff Wyandottes

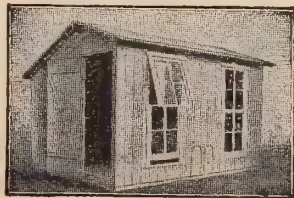
### Jacks' Golden Beauty Strain The Minnesota Blizzard Busters

Eggs from our choicest matings. Blue blooded, aristocratic, champion winners, every bird a pedigree Gold Beauty Star, \$4 per 15. Twenty Gold Beauty cockerels, all sired by first and champion New York chl., at cut snap prices to move them quick. Last showing, Minn. State Show, Minneapolis, Jan., 1913, 1-2-3-5 ckls., 1-3-4-5 pul., 1-2-3-4 hens, 1 pen, all specials. Send for list. Address

**J. Carleton Jacks, Litchfield, Minn.**

## DON'T BUILD

A \$40.00 HOUSE



**Potter Portable Poultry Houses**  
Style "A" 6-8x10 foot House, complete with 8-foot Potter outfit, \$40. Many other styles and sizes.

**Our Two Catalogs**—(136 pages, 150 illustrations) on portable houses and coops, fixtures, feed hoppers, trap nests, feeds and supplies of all kinds at lowest prices, will interest you. Mailed for two red stamps to cover postage. Write today and be convinced that Potter Poultry Products are for particular poultry people. We also make portable auto houses. Catalogue mailed on request.

**POTTER & COMPANY, BOX E-21, DOWNERS GROVE, ILLINOIS**

You can buy better, cheaper, more complete ready (factory) made hen-houses, roosting and nesting fixtures, coops, etc. from Potter & Co., because they have been making these goods for ten years and know how.

### Complete : Convenient : Sanitary

Potter Portable Houses and Fixtures have these good points, as thousands of users testify. Potter goods are A1 in quality and low in price. They are made for a purpose and save you time and labor in your poultry work.

**Satisfaction Guaranteed**—when you buy our goods. They are made right and do please our customers. No lice and mites when you use our vermin-proof roosts and nests. For your own pleasure and profit and for the sake of your hens, you cannot afford to be without Potter fixtures.

### A \$5.00 Hennyery Outfit



No. 16, 5-foot, two-perch Potter outfit. Price \$5. Made in 12 sizes.



## NOTICE TO SPANISH BREEDERS.

The American White Face Black Spanish Club is preparing for the press their first annual catalog.

It is our aim to make this catalog a hummer. No breeder of Spanish can afford to miss being represented in its pages.

All new members who join before April 1st, 1913, will have their names in this book.

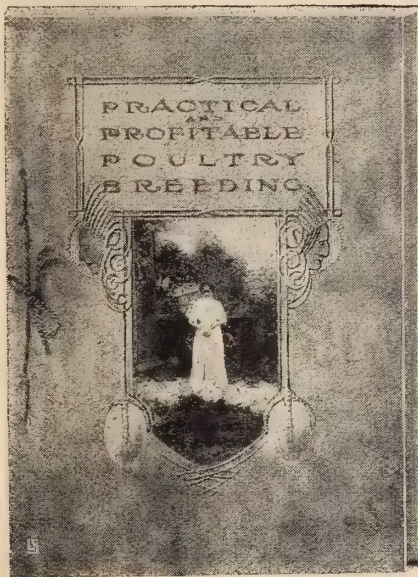
Write for full particulars, advertising rates, etc., to M. H. Lindsey, secretary-treasurer, Northville, N. Y.

The W. Etzensperger Rose and Single Comb Reds made the following winnings in the hottest class of Reds ever gotten together at Chicago: 2d pen S. C. Reds, 14 pens competing; 2d cock, 32 birds competing; 4th pullet in class of 38. Rose Comb Reds, 5th pen, 13 pens competing; 3d pullet, 11 in class. His 1st Chicago cock bird is the same that won 2d at the last show. The prize winners and near kin will head and be used in Mr. Etzensperger's breeding pens the coming season. His Reds are red all over, having great type and fine color. He has a limited number of cockerels and pullets to spare. Write

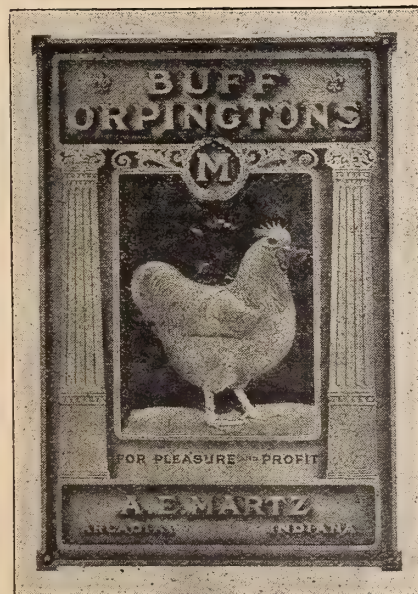
him for full particulars. Address W. Etzensperger, Willoughby, Ohio.

## THE MILWAUKEE SHOW.

The eleventh annual show was the best ever held in Milwaukee, due to the hard work of Mr. A. T. Keipper. The show was cooped, like the Chicago show, with the Keipper collapsible coops. The awards were placed by D. T. Heimlich, F. Travis, G. M. Wells, J. E. Greenwald, F. Harrison and Wm. Halbach, over 2,000 birds being exhibited which were of high quality, and the attendance was good.



J. C. Fishel's cuts and book on White Wyandottes has never been equaled by any breeder of this variety. Containing 64 pages of everything pertaining to housing, feeding and breeding White Wyandottes, it is easily worth the 25 cents they ask for it.



Another fine catalog is A. E. Martz's Buff Orpington book. His birds are noted for their remarkable quality the world over and the book is in keeping with the quality of the birds. Better send for it. It's free.

Besuden Brothers won at Cincinnati on their Buff Wyandottes: Cockerel, 1-2-3; hens, 1-2-3-5; cockerels, 1-2-3; pullets, 1-2-3-5. This strain has a long show record and is the best in the land.

Buschmann-Pierce Red Farms, Carmel, Ind., had a display at the Cincinnati show of cock and four Rhode Island Red hens, the color of which was the finest ever seen, proving their strain non-fading.

Herrick Poultry Yards, Durand Michigan won at Cincinnati, January 23-24, 1913, 1 cock, 1, 5, cockerel. Mr. Herrick's Single Comb Black Orpingtons have won for years at our best shows including Chicago and Detroit.

## White Rocks

Eggs from pens headed by 1st Phila.; 1st Allentown Pen, and 1st Pittsburg Cockerels at \$5.00 per 15. Only the cream of our flock mated.

Koons Farm, Treichlers, Pa.

## Single Comb Reds

Single Comb Black Minorcas. Eight years a breeder of these two breeds. The greatest of all winter layers. Special mated pens to produce show birds and prize winning stock. Stock and eggs for sale in season.

GRAND RIVER POULTRY YARDS  
H. H. LACHELT, PROPRIETOR, MARKESAN, WIS.

## Buff Rocks

Unite utility with highest exhibition qualities. Win at Great Mid-West Show at Chicago, Dec. 1912, 2nd and 3rd pullet and 5th cockerel. At Washington Heights, Jan. 1913, 1st, 2nd and 3rd cockerel; 1st, 2nd and 3rd pullet. No better blood obtainable at any price. EGGS, \$3.00 per 15; \$5.00 per 30.

C. E. Clapp, Groveland Ct., Morgan Park, Ill.

## Laugh at Expressman and Postal Clerks

—as they do at your pasteboard packages. Think of the jam of Parcel Post and Express articles and then ship your fresh eggs and hatchings in

## Safe-Eg-Paks

Wooden and Returnable. Each egg surrounded by a cushion of air provided by double cushioned compartments. "Hatchability" of

settings insured by non-vibration feature. Packed instantly. No wrappings. 7 sizes. A really perfect package for Parcel Post shipments.

## Star-Chic-Box

WARMTH without draft. Air renewed automatically. No other boxes can shut off air supply because of projections on all sides. Circular interior — no square corners. 3 sizes. Makes an ideal temporary fireless brooder.

Write us details of your shipments and we promise to solve your problems, increase your profits and win new customers.

Star Egg Carrier & Tray Mfg. Co.

100 Dallas St., Rochester, N. Y.

## KILL THEM



One application of Licene will kill every louse on your birds and will keep them free from lice for six months. The nits will hatch but Licene kills them after they are hatched. Read what M. Nie, one

of the foremost breeders of White Rocks for the past seventeen years, says of Licene.

"Gentlemen: About three months ago I used Licene on my birds, up to date have not seen any lice and think without question it is the best lice killer on the market today. Yours truly, Nie Poultry Yards. By M. Nie, R. R. 2, Pasadena, Calif.

Price 50c; enough for 200 birds; postpaid. Money refunded if you are not satisfied.

Sample Free

The Licene Co., Pontiac Bldg., Chicago, Ill.

"DON'T WORRY!  
CONKEY WILL CURE ME!"

Your money back if any Conkey Remedy ever fails you. Send 50c today for trial package CONKEY'S ROUP REMEDY and big 80-page BOOK ON POULTRY, with list of Remedies we make.

Name.....

P. O. ....

Address..... State.....

The G. E. Conkey Co., Dept. 18  
Cleveland, Ohio

SHOEMAKER'S  
POULTRY BOOK

## AND ALMANAC.

There is nothing in the world like it. It contains over 200 large pages with many fine illustrations. A number of BEAUTIFUL COLORED PLATES OF FOWLS — showing them in the natural color. Tells all about all kinds of thoroughbred chickens, with life-like illustrations. Prices of eggs for breeding purposes. TELLS how to RAISE POULTRY successfully, their care and management and how to treat all diseases common among them. Gives illustrations and descriptions of convenient poultry houses, and plans to build them.

ALL ABOUT "GLOBE"  
INCUBATORS & BROODERS

with fine illustrations, complete description, and lowest prices. ALL ABOUT OPERATING THE INCUBATOR. This chapter is unusually complete, and worth much more than the price we ask for the whole book. This Poultry Book is worth dollars to anyone interested in the raising of fowls. IT IS AN ENCYCLOPEDIA OF CHICKEN-REARING, and no one can well afford to be without it. Will be mailed to anyone upon receipt of only 15c. Money refunded if not pleased.

C. C. SHOEMAKER, Box 605, Freeport, Ill.



# Associations and Shows

Secretaries are Requested to Send in News Items of Interest About Their Shows for This Department

## THE ILLINOIS STATE SHOW.

The annual exhibition of the Illinois State Poultry Association, held at Springfield, was the most successful exhibition ever held. Twenty-four states were represented, one exhibit coming from Walla Walla, Wash.

The management deserves the praise of every poultryman for their efforts in running such a magnificent show, and for the entertaining of visitors. On Wednesday evening they gave a banquet at the St. Nicholas Hotel, which was attended by every exhibitor present. Among the best speakers were Henry Steinmesch, Thos. S. McCoy, O. L. McCord, J. C. Johnson, Geo. Heyl, John Henry Lynch, T. B. Elliott and Dr. Le Gear. The speech of Mr. Lynch impressed us as being the most forceful of the evening.

Among the enterprising firms who had booths at the show were Joe Schaefer, displaying "Globe Chicken Feed"; J. A. Leeland, exhibiting Columbian Wyandottes; Close-to-Nature Oats Sprouters and the Cyphers Incubator Co.

On account of not being able to obtain a marked catalogue we give a few winners from notes: Banded Plymouth Rocks, 170 birds exhibited. Winners were: W. H. Hoover, Taylorville, Ill.; W. H. Shaw, Canton, Ill.; F. M. James, Toulon, Ill.; Bandy Bros., Barnett, Ill.; Chas. Fritz, Staunton, Ill.; Mrs. Chas. E. Popham, Charleston, Ill., and G. A. Walker, Polo, Ill.

Buff Plymouth Rocks, 236 birds—a hot class. Winners: W. S. Cotton, Walla Walla, Wash.; Dr. C. W. Coolidge, Bristol, N. H.; W. S. Robison, Fayette, Mo.; E. H. Lichtenwalter, Girard, Pa.; C. E. Barnes, Taylorville, Ill.; F. C. Shepard, Toledo, Ohio; H. A. Jacobs, Peoria, Ill.; T. B. Elliott, Wellston, Mo.; Vierheller Bros., Pittsburg, Pa.; W. A. Vasconcellas, Williams-ville, Ill., and J. J. Bleakley, Abilene, Kan.

White Plymouth Rocks, 151 birds. Winners: H. W. Halbach, Watford, Wis.; A. D. Severe, Dows, Ia.; Chas. A. Simmonds,

Camp Point, Ill.; F. H. Holloway, Lytton, Ia., and Dr. L. A. Le Gear, St. Louis, Mo.

Partridge Plymouth Rocks, 66 birds. Winners: Kellogg & Kellogg, Cambridge, Ill.; G. S. McAfee, Springfield, Ill.; Warner & Hopson, Girard, Ill.; J. W. Newell, Girard, Ill.; F. Landgraf, Marissa, Ill.; J. D. Primm, Athens, Ill.; John Liljequist, Davis, Ill.; J. B. Taylor, Cambridge, Ill.; W. R. James, Long Point, Ill., and Jas. L. McDavid, Hillsboro, Ill.

Silver Wyandottes, 76 birds. A. & E. Tarbox, Yorkville, Ill., swept the show. C. Schmidt, Red Bud, Ill., also was one of the winners.

Columbian Wyandottes, large class, J. A. Leland, Springfield, Ill., and W. F. Christen, Pleasant Plains, Ill., won most of the prizes.

White Wyandottes, 133 birds shown. Winners: H. Cass, Buffalo Hart; F. E. Todd, Peoria; A. T. Franz, Jacksonville; N. Hill, Dixon; Mrs. A. Seymour, Murrayville; C. M. Bailey, Decatur; C. A. Carman, Petersburg; H. L. Logue, Neponset; A. A. Wente, Taylorville, and H. C. Rathgeber, Girard; all from Illinois.

S. C. Rhode Island Reds, 91 birds shown. Winners: E. W. Neahood, Webster Groves, Mo.; A. Haskins & Son, Jesup, Ia.; H. T. Marshall, Serena, Ill.; H. E. Holloway, Herscher, Ill.; C. P. Scott, Peoria, Ill.; Mrs. G. F. Gray, Springfield, Ill.; R. F. McWhirter, Decatur, Ill.; Mrs. C. B. Baker, London Mills, Ill.; Mrs. J. W. Cleary, Jackson-ville, Ill.; H. H. King, Whitewater, Wis.; Mrs. W. A. Fletcher, Smithshire, Ill., and Prof. J. D. Conlin, Carlinville, Ill.

S. C. White Leghorns, 130 birds shown. Winners: Robt. T. Brown, Springfield, Ill.; Hodgen & Golden, Petersburg, Ill.; B. F. Thomas, Lincoln, Ill.; A. D. Taylor, Springfield, Ill.; Lilly White Poultry Yards, Lincoln, Ill.; F. G. Gurley, Galesburg, Ill.; Eugene C. Smith, Aurora, Ill.; I. A. Engle, Latham, Ill.

R. C. White Leghorns, 26 birds shown. Winners: G. A. Rigler, Bentonport, Ia.;

Lilly White Poultry Yards, Lincoln, Ill.

S. C. Brown Leghorns, 39 birds shown. Winners: Rosemont Farm, Webster Groves, Mo.; W. C. Does, Lstant, Ill.; G. L. Hornbrook, Decatur, Ill.; H. C. Ingalls, Riverton, Ill.; W. S. Danhorst, Quincy, Ill., and A. F. Lehman, Toulon, Ill.

S. C. Buff Orpingtons, 117 birds shown. Winners: F. A. Kaup, Chicago; Mrs. L. A. McClelland, Williamsville, Ill.; C. C. Miller, Bloomington, Ill.; J. W. Cruzan, Mattoon, Ill.; D. L. Warner, Kirkwood, Ill.; A. A. Anderson, Macon, Ill., and N. Hammer, O'Fallon, Ill.

S. C. White Orpingtons, 104 birds shown. Winners: J. B. Harris, Astoria, Ill.; G. H. Woolington, Monticello, Ill.; H. Gray, Staunton, Ill.; W. T. Heaps, Kewanee, Ill.; T. A. Scott, Bethany, Ill.; R. M. Perkins, Springfield, Ill.; G. M. Layman, Greenville, Ill., and Geo. Brants, Pekin, Ill.

Among the prominent visitors at the show were Henry Steinmesch, St. Louis; John Henry Lynch and Mrs. Lynch, Edwardsville; Mrs. E. V. Shultz, Webster Groves, Mo.; Mrs. E. W. Mahood, Webster Groves, and R. V. Hicks, Topeka, Kans.

## CLEVELAND SHOW.

The first annual exhibition of the Cleveland Poultry Breeders' Association Company was held in the Tuxedo Auditorium, January 6 to 11, 1913, and the exhibits surpassed the expectations of the stockholders. There were about 1,500 entries and they would have been perfectly satisfied with 800. The attendance was large and the show was a great success financially. The money was ready for the winners and they closed with money in the treasury. They gave 25 fine silver cups and everybody was happy. Genesee Uniform Cooping was used, adding greatly to the attractiveness of the whole appearance. This association has set the dates for next year on January 5-10 and expect to secure Gray's Army. The officers were F. C.

# GOWERN'S SINGLE COMB WHITE LEGHORNS

SENSATIONAL PITTSBURG WINNERS five consecutive years. First Pen Pittsburg Exposition Show 1913, 25 pens competing. First and Second Hen pronounced perfection. Have sold winners this and other years for Pittsburg and other great shows. Eggs \$3.00, \$5.00 and \$10.00 a setting. Mating list free.

W. J. GOWERN, JR.,

Dept. A,

CANONSBURG, Pa.



**"Poultryology"**  
This beautifully bound book contains 144 pages, 70 pictures, drawings and plans.

## Vigor-Big Hatches-Early Laying-Success

Your ability to succeed in the poultry business is measured by the vigor of your flock. Hereditary constitutional vigor is the one character above all others which your poultry should possess.

Yesterlaid Egg Farms are vigor specialists. They raise Superior Standard-bred White Leghorns by the thousands which are so rugged, lusty and thrifty that their chicks inherit their constitutional vigor and hatch like popping corn.

They Lay—They Win. Yesterlaid breeders produce perfectly shaped, chalk-white, big eggs, their pullets lay early—at four months—in customer's hands. Yesterlaid Leghorns are exhibition fowls too. Chicks hatched from their eggs win in the hands of customers: names on request.

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**Poultryology** tells how to build hen houses; how to raise money-making laying hens by the thousands, how to feed them to make them lay when the weather is coldest; how to house them successfully in big flocks of 500 to 1000; how to market eggs to get 60c a dozen when the market price is 30c. It tells how to mix rations that make chicks grow rapidly, that make hens lay, and that fatten broilers in 7 to 12 days. It tells how to pedigree poultry; how to make louse killer; how to preserve eggs; what it costs to feed a hen a year; how many eggs a hen will produce a year, and hundreds of other things you want to know.

State Experiment Stations and other Institutions recognize the Superiority of Yesterlaid Leghorns. Fifteen Experiment Stations have bought Yesterlaid stock or eggs.

If you want Yesterlaid eggs that will hatch big husky quick growing chicks for you this season order at once. Last season Yesterlaid customers had to "stand in line" and wait their turn for hatching eggs and the demand could not be fully supplied until almost June. Don't you be one that has to wait this season. Place your order now.

The Liberal Yesterlaid Guarantee insures you absolute satisfaction.

Price \$1.00 Postpaid. Write for special new customer offer which includes "Poultryology" free.

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DEPARTMENT 5

PACIFIC, MISSOURI



Stier, president; G. W. Cunningham, first vice-president; Dr. R. H. Lindhorst, second vice-president; A. E. Rehburg, secretary; F. C. Kriews, treasurer, and I. H. Bush, superintendent. So well did these gentlemen fill their respective offices that everything went off as scheduled. A. H. Emsch, Toledo; J. E. Gault, Chippewa Lake, Ohio; L. A. Stream, Mt. Vernon, Ohio, placed the awards. Bear this show in mind for 1913. —H. H. Coburn.

#### AMERICAN PLYMOUTH ROCK CLUB.

The annual meeting of the American Barred Plymouth Rock Club was held with the South-Eastern Poultry Association at Charlotte, N. C., on Saturday, January 11th, at 3 p. m. Vice-president R. L. Simmons presiding. The minutes of the last meeting were read and approved. Two hundred and forty-one new members were admitted to the club. The treasurer's report was adopted. The following officers were elected to serve for the ensuing year: President, H. P. Schwab; vice-presidents, E. B. Thompson, A. C. Smith, Victor Bradley, C. H. Latham, C. E. Spagh, M. W. Baldwin, R. L. Simmons. Executive committee: C. H. Welles, S. T. Divinia, A. C. Hawkins, Wm. E. Bright, H. M. Kenner, Amos Vogt, James T. Huston. Secretary-treasurer, Henry D. Riley, Strafford, Pa. A motion was made instructing the secretary to publish a club catalog the coming spring and to solicit advertisements and suitable articles for the same. The secretary was instructed to draft an amendment to the Constitution, to provide for the election of 15 honorary vice-presidents, to be elected at the annual meeting. Charges were brought by Messrs. E. B. Thompson and C. H. Welles against Chas. W. Tillford, and after hearing the charges and Mr. Tillford making no defense, the club voted to expel Tillford. No other business the meeting adjourned. In regard to the catalog to be published this spring, every breeder of Barred Rocks should send in his name and join at once so that he may have his name in the list of members. Initiation fee and dues, \$1.00.

HENRY D. RILEY, Secretary.

Strafford, Pa.

#### THE CINCINNATI SHOW.

The Cincinnati Show, known as the Great Music Hall Show, held Jan. 23-29, 1913, was one of the best shows of the season. The Association is incorporated and has the following classy list of stockholders: Bruce & Abbott, Whiteland, Ind.; C. A. Besuden, Cincinnati; H. B. Hark, Glendale, Ohio; Ideal Poultry Farms, Cincinnati; Carl Carter, Columbus, Ind.; H. C. Dipple, Indianapolis; Rahe Seed Co., Cincinnati; Aldrich Poultry Farms, Columbus; E. B. Rogers, Cincinnati; F. F. Besuden, E. Norwood, Ohio; Asa G. Chandler, Jr., Atlanta, Ga.; O. L. McCord, Danville, Ill.; W. C. Pierce, Indianapolis; F. E. Harrison, Menominee, Mich.; W. W. White, Newport, Ky.; Chas. G. Pape, Ft. Wayne, Ind.; Walter G. Renaker, Cincinnati; Lewis P. Smith, Cincinnati; John A. Murkin, Nashville, Tenn.; Theo. Hewes, Indianapolis, and W. Besuden. It goes without saying that no other association is backed by more up-to-date and better poultrymen. The attendance was large and birds of exceptional high quality. The competition was keen and it was indeed a great honor to get a place. There were eight judges employed and the ribbons were up promptly—everybody satisfied and happy.

Chas. G. Paper and W. Besuden were the superintendents and proved themselves a very capable team. The office work was systematically handled by W. C. Pierce. The successful ones among our advertisers were: Sheffield Farms, Partridge Wyandottes, 1st, 2d, 3d, 4th cock; 1st, 2d, 3d hen; 1st, 2d, 3d, 4th cockerel; 1st, 2d, 3d, 4th pullet; 1st, 2d, 3d pen. Bruce & Abbott, Whiteland, Ind., S. C. Buff Orpingtons, 1st, 2d cock; 3d, 5th hen; 1st, 2d, 3d, 4th cockerel; 1st, 2d, 3d, 4th pen; 1st, 2d young pen; 1st old pen. I. L. Adair, Millersburg, Ky., S. C. Black Orpingtons, 3d cock; 2d, 4th cockerel; 2d, 5th hen; 1st, 3d, 5th pullet; 1st, 3d pen. J. A. Leland, Springfield, Ill., Columbian Wyandottes, 1st cockerel; 1st, 2d hen; 1st, 2d pullet. J. H. McDaniel, Warsaw, Ky., Columbian Wyandottes, 1st cock; 2d, 3d cockerel; Golden Wyandottes, 1st, 2d cock; 1st hen; 1st, 2d cockerel; 1st pullet. Besuden Bros., Cincinnati, Buff Wyandottes, 1st, 2d, 3d, 5th cock; 1st, 2d, 3d, 5th hen; 1st, 2d, 3d cockerel; 1st, 2d, 5th pullet. G. A. Clark, Seymour, Ind., R. C. Black Minorcas, 1st, 2d cock; 1st hen; 1st, 2d, 3d cockerel; 1st, 2d pullet. G. Earl Hoover, Matthews, Ind., Barred Plymouth Rocks, 5th cock; 2d, 3d hen; 1st, 4th pullet; 1st, 4th, 5th pul-

## Rose Comb Black Minorcas

First cock, first hen, first cockerel, first pullet at St. Louis 1912; first cock and first hen on White and Fawn Indian Runner Ducks. J. S. BALES - - ROUTE 2, SPRINGFIELD, ILL.

## HILLDORFER'S S. C. BLACK CHAMPION MINORCAS

Sweep the Honors again at Baltimore and Pittsburg winning more prizes than all others combined. They have led the way for 20 years and to-day are better than ever. Baltimore, 1913—In a class of 199 birds they win cock 1-5, hen 2, cockerel 1-2, pullet 1-2, pen 4. Pittsburg 1913 In the richest competition they win cock 1-2, hen 1-4, cockerel 1-3, pullet 1-5, pen 1-2. All Specials and Sweepstake Cup for **Best Hen** in the show. **Eggs For Hatching** from selected matings and including all my winners. Mailing list describing my pen for the asking. "Breed the Best" Blood will tell and the "Champion" line is sure to please you.

## Hilldorfer Black Minorca Farm SAXONBURG, BUTLER COUNTY, PA.

## TABASCO REDS

### Champion S. C. Rhode Island Reds

Winners—1913—of best display at Madison Square Garden, with First and Fifth Cockerels, First and Second Pens, etc. Thirty Points to the next competitor's nineteen.

Winners—1913—First Cockerel and Second Pen, with Specials, at Boston's Great Show. First Cockerel at both New York and Boston in one season is an unequalled record to date.

Winners—1912—of the \$50 Cup for the best Cock, Cockerel, Hen, Pullet and Pen, at the annual meeting of the R. I. Red Club of America, at Boston.

Winners—1911—of First and Third Cockerels at Madison Square Garden, and First and Third Cockerels at Boston.

Winners of seven of the sixteen ribbons in the Cockerel Classes at Madison Square Garden the last three years.

Winners of First Pen at Boston five of the last six years.

For red-hot Tabasco Reds address,

Old Acres -:- Foxboro, Massachusetts

## BARRED PLYMOUTH ROCKS

### Madison Square Garden New York Winners

First Prize Hen and Second Prize Pullet was won by my birds, shown by me at the Great M. S. Garden, New York, Show, 1913. Birds of my breeding have also won at Philadelphia, Hagerstown, etc., this season and in years past. But this New York win stamps them among the leading and best lines of the world.

### Exhibition Females My Specialty

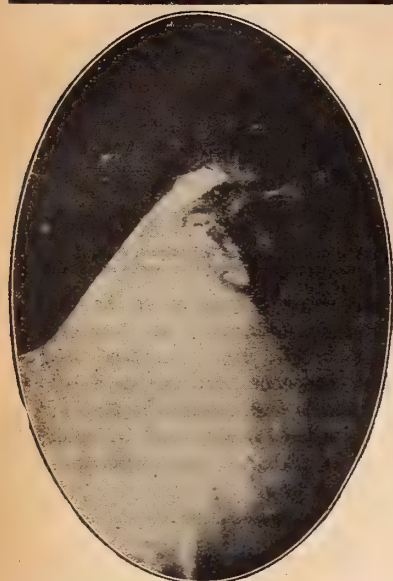
My First Prize Pullet Bred Cockerels at Philadelphia and at Hagerstown were the sensation of the Barred Rock Class, in shape and line barring with the richest of color and best of breeding quality. Both are in same line as my First Prize Hens at New York and Philadelphia. I now offer a few females and several

### Breeding Cockerels For Sale

Of the same line breeding at special prices while they last. Write me now. Cockerels at \$5 for quick sales. Some selected ones of special merit for \$7.50 and \$10. They are worth double that to any one who wishes to breed high class females. Pullets of my breeding have won first and second at the great Philadelphia show and at others as well. I assure absolute satisfaction to all. Write me.

C. N. MYERS : BOX A : HANOVER, PENNSYLVANIA





Special for Best Male Head at Madison Square Garden January 1910, 84 Males Competing

## RICE'S SINGLE COMB WHITE LEGHORNS

Their past record of first prize winnings at Madison Square Garden and other leading American shows for the past seventeen years must convince you of the fact that they are bred to win, and do it in the strongest competition.

They have also a world-wide reputation as **HEAVY LAYERS** of large white eggs and can and will make money for you.

I have several hundred choice yearling hens and early hatched pullets at reasonable prices, with strong vigorous cockerels to mate with them.

I will select and mate breeding pens both for exhibition and utility purposes which will give you the desired results.

I am better prepared than ever to furnish **EGGS FOR HATCHING** from strong healthy yearlings and two-year-old hens which will produce strong chicks which will live and grow.

Write for list of both exhibition and utility matings and description of same.

**IRVING F. RICE**  
CORTLAND, NEW YORK

## Jersey Lawn White Wyandottes

I have five yards mated for the very best results in show or utility purposes. Cockerels all sold. Eggs, \$5.00 per 15. Write for mating list.

**Harry Cass** -:- **Buffalo Hart, Illinois**

## \$1.00 SECURES 100 CHICKS OR EGGS

Have your order booked early and avoid disappointment. We only ask \$1 deposit per 100. **Wyckoff-Blanchard Finest White Leghorns**—Line bred twenty years for fancy points and heavy laying. 57 acre farm. 900 breeders. 5,000 chicks a month. We guarantee safe arrival of eggs and chicks and 90 per cent fertility. Catalog free. Eggs, 15 for \$1.50, 100 for \$5. Chicks, 50 for \$5.50, 100 for \$10. Chicks, \$3 to \$10

**Missouri White Leghorn Farm, Box A, Valley Park, St. Louis Co., Missouri**

## BATTLEVIEW FARM ROSE COMB RHODE ISLAND REDS

Won at Red Bank, N. J. more firsts than all other breeders combined, including Single Combs as well Battleview Farm Reds have won equally as well at over a dozen different shows in the hands of my customers. Write and get my prices on stock and eggs and compare the quality with any breeder in the United States regardless of price. Write today and be one of my satisfied customers.

**C. R. APPLEGATE, BATTLEVIEW FARM, FREEHOLD, N. J.**

## BELLA VISTA FARM

WEST KIMSWICK, MISSOURI, "ON THE FRISCO"

### A 10,000-Dollar S. C. White Leghorn Farm

**Eggs for Hatchings**—\$5.00 for 100, \$1.00 for 15, \$3 for 50. We have selected 800 of our largest females and best layers to breed from. **300 fine cockerels and 200 laying pullets** to spare at \$2 to \$3 each, splendid values. Visitors welcome. Correspondence solicited. Mating list free. References—Editor of this paper. Address

**BELLE VISTA FARM CO. : P. O. WEST KIMSWICK, MO.**

let bred cock; 1st, 5th cockerel. C. A. Besuden, Cincinnati, Partridge Rocks, 1st, 2d cock; 1st, 2d, 3d, 4th hen; 1st, 3d cockerel; 1st, 2d, 4th pullet; 1st, 4th pen.—H. H. Coburn.

### POULTRY FANCIERS OF NATIONAL CAPITAL HOLD BIG MEETING.

The largest and most enthusiastic meeting of poultry and pigeon fanciers ever held in the national capital was the one held February 14 at the finely appointed assembly rooms of the Chamber of Commerce.

This meeting was called by the writer to organize a large club; to hold monthly meetings at which illustrated lectures on poultry would be given by prominent men connected with the Department of Agriculture, Maryland and Virginia State Experiment Stations; to enable those not well versed in poultry matters to compare notes and learn from the experiences of others; and lastly, to perfect plans for the holding of future shows of such proportions that the world will fairly startle. Our motto will be "Harmony" and "We lead, others follow."

It has long been known that the national capital, "Washington, D. C.," has never had a poultry show commensurate with its general importance, and it was to this end that this meeting was called to lay plans to perfect the greatest poultry club or organization that this great national capital has ever known.

It was also recognized that we must have well and favorably known business men at the helm, otherwise we would be in the same position as before; therefore a committee was chosen of Mr. P. F. Sutor, temporary chairman; Mr. Chas. M. Catlett, secretary, and Mr. A. B. Claxton, treasurer, to wait upon several of our best business men and urge them to accept the higher positions. We don't think this will be very hard to accomplish, as all of them are interested in poultry or pigeons, and it possibly only remains for the committee to show them what we want to do for this city and "More and Better Poultry."

We also recognize the fact that we need the assistance of the poultry press, that it must take an active interest in this matter, for this is as much their city as ours. Therefore we extend an invitation to every poultry paper to join us and make the National Capital Show remind one of "The shot that was heard round the world."

Specialty clubs were also favorably spoken about and an invitation is extended to all to hold their next annual meeting in this city. We expect to hold our show December, 1913, or January, 1914, in such a way that we will not conflict with New York, Philadelphia, Boston, Baltimore, or any of the other large shows.

This club (with dues \$1.00 per year) is planned in such a way that success is the only thing in sight.

We have two halls here, one, the best thing our National Guard can call an "armory," which will hold about 3,500 single tier, and Convention Hall, that will hold fully 10,000 birds single tier, both easy of access and well lighted day and night. No pains or money will be spared to make the future shows something to be remembered, and the winner of a tenth place can pat himself on the back and advertise the fact.

Now, Mr. Editor, this is not hot air, but simply facts plainly stated, and if you are with us we desire to thank you and state that you will be well taken care of at this Big Show.

### WHITE PLYMOUTH ROCK CLUB.

The annual meeting of the National White Plymouth Rock Club was held at Springfield, Illinois, on January 8th, 1913, in conjunction with the nineteenth annual exhibition of the Illinois Poultry Association in the great Armory building.

The meeting was largely attended by White Rock breeders from a large geographical area, and the meeting promises to do much good for the White Rock breed. The following officers were unanimously elected for the coming year:

Geo. H. Hildebrand, Meadville, Pa., president, re-elected.

James V. Johnson, Little Rock, Ark., secretary-treasurer.

Dr. L. E. LeGear, St. Louis, Mo.; D. E. Gray, Groveland Station, N. Y., and Martin F. Schultes, Bartlett, Tenn., executive committee.

The administration, which is thoroughly enthusiastic and progressive, promises to put in a year of strenuous work in building up the club and advancing the interests of this very popular breed of poultry.

The exhibit at the Springfield Show totaled nearly 300 birds and was of marvelous



OCULUM increases egg yield 20 per cent; a free trial; ad page 594.

## FISHER'S BUFF ORPINGTONS

Are known America over, winning at all the prominent shows, including Madison Square Garden, Chicago, Cleveland, etc. Mention A. P. J. when writing. C. E. Fisher, Box 391, McConnellsville, O.

## ORPINGTONS

Eggs for setting. Four pens S. C. Buff Orpingtons, utility and show. Are hatching strong and 75% in Feb. One pen S. C. White Orpingtons. Pheasants and White Embden geese. Send for circular.

JENNIE MILNER, NORMAL, ILL.

## LETTERHEADS FOR THE POULTRYMAN

250 Letterheads \$2.95; 500 Letterheads, \$3.45; 1000 Letterheads, \$5.45; 250 Envelopes, \$1.95; 500 Envelopes, \$2.95; 1000 Envelopes, \$3.95. Letterheads and envelopes of best bond paper. We furnish cut of any breed of poultry and pay all shipping charges. Our prices are as cheap as good concienious work can be done for. If you wish letterheads that will be a credit to you and your business let us know. Samples on request. Mention breed. Chicago Letterhead Co., 710 Cambridge Bldg., Chicago.

## EGG BOXES



Protect eggs from heat, cold, breakage and theft. The tightest, neatest, lightest and strongest box made. 15 egg size, weight each, 10 oz., price per doz. \$1.25  
30 " " " " 1 lb. " " " 2.75  
60 " " " " 1 & 1/2 " " " 4.50  
100 " " " " 3 " " " 8.00  
Sample 15 egg size, postpaid, 25 cents. Circular free  
Canfield Coop Co., 808 S. State St., Syracuse, N. Y.

## WHITE WYANDOTTES

By the most exacting care and attention extending over a continuous period of more than twenty-five years, producing but a few birds each season and these by breeding from pairs and trios, I have established a type of White Wyandottes closely approximating standard requirements that reproduce themselves with marked uniformity. A cull rarely results from my matings and high class specimens predominate. While I do not claim to have the "World's Best" I do claim to produce a much larger per cent of high class specimens than any other breeder. My yards have been visited by many prominent judges and fanciers, not one of whom has failed to concede my claim. I have a few rare good birds that you can buy at prices you can afford to pay if you want something right, that you may know what you are buying. I send on approval and pay return charges if not entirely satisfactory. I am offering a few settings of eggs, not from stock mated for the purpose, but from the identical birds I breed from. Fertility is guaranteed.

W. S. COBB, UNION BANK BLDG., JACKSON, MICH.

## BARRED ROCKS OF THE BETTER QUALITY

### EGGS : EGGS

Wherever our birds are shown they win—The Great Allentown Fair, Trenton Inter-State Fair, Williamsport and Philadelphia. Our eggs for hatching are of the highest standard and fertility.

### Our Mating List Is Now Ready

Eggs \$2.00 to \$5.00 for Our Best Matings

Choice high class breeding stock for sale. Cockerels \$5.00 up. Pullets \$3.00. Perfect in shape, color, and bred from winners. Buy from the farm that gives absolute satisfaction. Mention this paper when writing.

## EASTERN IDEAL FARM

CHAS. F. ROSENOW, MANAGER  
NORRISTOWN : PENNSYLVANIA

quality throughout, the award for the best bird in the entire show, all varieties competing, was placed on a White Rock cockerel exhibited by a club member. The meeting was one of the most successful ever held by the club. For complete list of awards see records of the 19th annual exhibition of the Springfield Poultry Association, January 6th to 11th, 1913.

JAMES V. JOHNSON, Secretary.

## INTERNATIONAL POLISH CLUB.

We are now preparing copy for our first annual year book, which will be strictly in keeping with the policy of the club—down to the minute. In other words, it will be abreast of the times, and will be issued at an early date to all lovers and breeders of the Polish or Polish Bantams. We extend to you a cordial invitation to join our ranks and help boost the International Club and the breed. Our membership fees are as follows: Annual membership, \$1.00 each year; life membership, \$10.00 and no assessments. If you are a live wire, now is the time to get busy and send in your application and fee, also an article on the merits of the Polish fowls; and last, but not least, send for our advertising rates and place an ad. in our year book if you want to reach the better class of buyers. For application blanks, advertising rates, or any other information, address

M. V. CALDWELL, Sec'y and Treas.  
Route No. 4, Lisbon, Ohio.

## WHITE MINORCA CLUB.

The annual meeting of the American Single Comb White Minorca Club was held at Madison Square Garden January 2, 1913, and the following officers were elected for 1913: President, Mrs. J. G. Osborne, Fabius, N. Y.; 1st vice-president, H. J. Teetz, Gloversville, N. Y.; 2nd vice-president, N. J. Cole, Poughkeepsie, N. Y.; 3rd vice-president, P. Kendall Callaway, Chickasha, Okla.; secretary and treasurer, C. Augustus Raschke, Kingston, N. Y. The club is in a flourishing condition and the gain in membership during the past year has been very gratifying: our efforts to place this noble breed of fowls before the public is bearing fruit, and no doubt our membership will double this year. Our prediction concerning this favorite of ours is bound to come true.

The exhibit at Madison Square Garden was one of which the club members are very proud. Judge Story was very enthusiastic over the S. C. White Minorca exhibit and pronounced the 1st cock as being the finest S. C. White Minorca he had ever seen or judged, and to use his own expression, "He was nearly perfect." The opinion of a great many other fanciers was that he was the finest S. C. White Minorca they had ever seen, White or Black. The first cockerel was also a very promising bird, and a fine specimen of the breed, pure white, good shape and rangy. First hen and pullet were typical Minorcas. The exhibit brought forth much favorable comment.

The club decided that during the season of 1913-14 that the special club ribbons shall be awarded at all shows where members exhibit; also that four \$10.00 cups be offered, one in the North Middle West, the West, the South Middle West and the East, and at all other State shows where 5 members exhibited, instead of ten as heretofore.

To all who breed or are prospective breeders of this noble breed of fowls that are becoming nobler every year, we invite you to join us and win some of these prizes. The prizes may be nice things to win and have, but you will find the fowls much better than the prizes. To those who breed S. C. White Minorcas we say that the breed deserves your encouragement, and the club your help and membership. Send for a Club Catalog.

C. Augustus Raschke, Sec'y-Treas.  
Kingston, N. Y.

## AMERICAN DOMINIQUE CLUB.

Report of annual meeting of National American Dominique Club at Boston Show, January 9, 1913. Officers elected: President, W. H. Davenport, Griswoldville, Mass.; vice-president, Edson W. Safford, Montrose, Pa.; secretary-treasurer, A. Q. Carter, Freeport, Me. Executive Committee: F. E. Fowler, Meriden, Conn.; L. A. Austin, Pittsfield, Mass. Honorary State Vice-Presidents: Charles E. Taylor, Freeport, Me.; F. S. Peaslee, Lakeport, N. H.; W. B. Atherton, Randolph, Mass.; R. C. Dimon, Hartford, Conn.; Geo. H. Dederer, Mt. Vernon, N. Y.; F. S. Benson, Glen Ridge, N. J.; S. F. Yerkes, Mt. Airy, Philadelphia, Pa.; Clark Robinson, Columbia, Mo.; Alta Plank, Woodburn, Ore.

## DON'T HATCH EGGS

Buy day old chicks, stronger chicks, bigger chicks, better chicks, that's what our customers all say. 3,000 chicks ready for delivery weekly. We offer now;

Barred Ply. Rocks.....	50.	100.
White Rocks.....	\$7.00	\$13.00
White Leghorns.....	\$8.00	\$15.00
White Leghorns.....	\$6.00	\$10.00
R. I. Reds.....	\$8.00	\$15.00
White Wyandottes.....	\$9.00	\$16.00



2,000 W. Leghorn Pullets, 10 weeks old, \$1 each. Buy now, don't wait. We ship chicks when you want them. We guarantee our chicks. Send money order, registered letter or N. Y. draft.

Cloverdale Poultry Farm  
Ransomville - New York

## 210 EGGS IN 259 DAYS

This was the official record made by one of the females in our pen at the International Egg Laying Contest at Storrs' Agricultural College last year. Our five birds in this pen made a record of 836 eggs in 9 months and 11 days of actual laying. Eggs for hatching. Send for catalogue.

## MAPLE GRANGE POULTRY YARDS

S. M. GOUCHER, MOORESTOWN, NEW JERSEY

## JOE-PYE Orpingtons

THE fact that we won Display Special or greatest number of points this year at the three largest American shows—Madison Square Garden, Boston, Grand Central Palace, N. Y. proves conclusively that we can breed quality. Our free illustrated mating list gives information about our farm and breeding pens.

## JOE-PYE ORPINGTON FARM

HARRY STACEY BENTON, Owner  
R. F. D. 5, SO. NORWALK, CONN.



## MAPLE GRANGE POULTRY YARDS.

The people who succeed with Barred Plymouth Rocks are the breeders who try, who persist and who study and learn by experience. The lessons are there and while nature is not a fickle teacher, still it is not so mysterious as some would suppose. We point with pride to Mr. S. M. Goucher, Moorestown, N. J., for within the past five or six years he has not only made his name popular among the leading breeders but he has given to it a ring of quality that usually takes double those years to attain.

For four years his birds have been conspicuous winners at Williamsport's great show, in classes of from 100 to over 200 birds; also at Camden, N. J., and at Philadelphia he has shown with marked success and credit to his line.

We lately enjoyed a day with him at his home and found that since our last visit a year ago he has about doubled his plant and his flock. He asked us to be critical and to make any change in his matings we thought best, and after seeing all we were free to admit that he had mated correctly and that we could not see cause for even one change that would insure better results. He knows his birds and the demands and had the best of reasons for placing every bird mated. The matings are all small ones, with from five to seven females mated for quality and improvement, of which he is assured.

## Cockerel Matings.

His cockerel matings this year are headed by his best males and winners. Here

was seen his first Philadelphia cockerel, December, 1911, lording it over one pen. This noble fellow well deserved all he won in specials for his color and barring and superior quality, for he also won the special for best cockerel in the American class, besides the valued blue ribbon. He still has the flaming red eyes and the strong, vigorous carriage with narrow barring and even from tip to tip. His mates are clean and snappy in barring and of proper, strong color, all with good eyes, small combs and nice-shaped heads.

The cockerel in first Williamsport pen headed another mating, as also did his cockerel heading his first Philadelphia pen, December, 1912. Here were also his Camden winners mated, making a very select lot, with every promise for the future.

## Pullet Matings.

We haven't at this time with us (on the road) a correct list of Mr. Goucher's winnings, in either males or females, to our regret, and must rely on memory for our statements, but we do know they have been many, and in females were particularly of value. In his pullet pens were all his winners in this line and we looked long and earnestly at these beautiful collections of quality. A male heading one of these pens was a superior bird in every way, large, sound and of magnificent, clean, sharp color and barring, shape of back ideal, wings beautiful, head grand.

Other matings of the same character with the females in all including his winners and others of the same line. The four pullets in his first Philadelphia pen are all pen sisters and just alike, with

the value of line breeding back of them.

His pens are large, with ample range, and the entire plant a model worth following. It is a beautiful plant in a superb section and in charge of people full of interest in their work. Mrs. Goucher, like her husband, is an enthusiastic fancier. Both have every reason to feel satisfied with the work and success they have made.

Mr. Goucher entered a pen of his birds in the Store's Connecticut Laying Contest and this pen proved to be one of the leaders in the class, with one of the females making an exceptional record by laying 104 eggs in 110 days (if memory serves us correctly). We hope to again visit this plant and to receive a full report of this pen's record in the contest in the near future, for such records are of great value and prove beyond question that the standard-bred is the most practical and best of all general purpose fowl.—H. P. Schwab.

## OF INTEREST TO POULTRY RAISERS.

We wish to call the especial attention of our readers to the ad, in another column, of Oculum, manufactured by the Hancock Inoculum Co., Salem, Va. Oculum is not only a remedy for cholera, roup, white diarrhea and canker, which has "made good" upon hundreds of poultry farms, but the chief value of Oculum is its tonic effect.

The manufacturers have authorized us to state that your flock inoculated with

# The New Simplicity



Spurred to action by the success of our Simplicity Feeder, we have sought greater improvements which would make the Simplicity so far superior to others that no comparison could be made.

## We Have Done It

The new Simplicity Poultry Feeder is without doubt the acme of human ingenuity, every part of this feeder has been literally dissected in order to find a chance for improvement and we truthfully say that the new Simplicity is the one perfect poultry feeder.

The Simplicity feeds any kind of grain either separate or mixed, it works from every direction, scatters the grain farther than any other feeder, is adjustable to the finest degree, will not clog up and will not get out of order at any time.

## We Prepay Express and Freight Charges

If your poultry supply house does not handle Simplicity Feeders, send us their name and address and we will send you three colored pictures of poultry suitable for framing and also a copy of our valuable book, "What and How to Feed," which gives valuable information on mixing rations, growing feeds, etc. We also prepay charges on all feeders ordered direct from us and will refund your money if they are not entirely satisfactory. Read our ironclad guarantee on the attached order blank. We furthermore guarantee that the feeder

## Is an Investment, Not an Expense

Simplicity Feeders will pay for themselves in thirty to sixty days and make money for you every day thereafter at the rate of 50 per cent a month. You will save more than a dollar's worth of feed per month to every thirty birds if you feed with our feeders and we will prove it to you in your own yard if you will fill in the attached blank.

We don't want you to take our word for it. Try it at our expense or ask your dealer. We know that if you install Simplicity Feeders you will not regret reading this ad and taking advantage of our offer. Remember we refund your money if you are not satisfied with your purchase.

References—American Poultry Journal, Chicago, Ill., American Poultry Advocate, Syracuse, N. Y.; Central Trust Co. of Illinois, Chicago, Ill.; etc.

Fill in the attached coupon for as many feeders as you require to feed your entire flock at least one week. Ten-quart size will feed a pen of ten to fifteen birds at least a week. Twenty-quart size will take care of a pen about three weeks or will feed a flock of 20 to 30 birds at least one week. Further information will be gladly sent upon request.

**SIMPLEX SUPPLY HOUSE**  
PONTIACA BLDG. : CHICAGO, ILL.

### IRONCLAD GUARANTEE ORDER BLANK.

Simplex Supply House, Pontiac Building, Chicago, Ill.

Gentlemen:—Enclosed please find \$..... for which send to address below .....size.....qt. SIMPLICITY FEEDERS, with the understanding (State Number) that you will refund my money if they are not satisfactory and I notify you to this effect within 30 days after receiving the Feeders.

Name.....Post Office.....

Street or Route.....State.....Express Office.....

Prices, Delivered:  
Baby 10-quart 20-quart  
Each.....\$ 1.25 \$ 2.50 \$ 3.50  
Lots of Six.....6.00 12.00 18.00  
Dozen Lots.....11.00 22.00 32.00  
Orders of less than six 10-quart or 20-quart feeders and baby feeders in dozen lots or less will be shipped by Parcel Post or prepaid express within a radius of 1,000 miles. Longer distances and larger orders for all points east of the Rocky Mountains will be shipped by prepaid freight unless otherwise instructed.



Oculum four times a year will, with reasonable attention, be the healthiest flock you ever raised and will outlay and outweigh any flock of the same size and strain you ever owned, and that they will refund the purchase price of all Oculum used during the year by any of our readers who wish to try it out as a tonic if results do not come up to the claims of Oculum.

Rev. A. M. Mannes, Mt. Vernon, S. D., wrote the company as follows on January 16, this year: Enclosed find \$1.00 for which please send me \$1.00 bottle of Oculum at your earliest convenience. The 50-cent bottle I got last spring was worth \$50.00 to me; one dose saved a valuable cock that would have succumbed within a few days.

Surely at the present price of eggs and broilers, thousands of our readers will order Oculum at once.

#### H. D. RILEY'S BARRED ROCKS.

For several years we have had the pleasure of visiting Mr. Riley, at Stratford, Pa., and with him inspecting his birds and matings year by year he has brought his line up the ladder of poultry fame in the show room and in the quality and value of their blood and breeding value. His birds have met the test of the great Madison Square Garden (New York) Show, Baltimore, Philadelphia, Cleveland and others, where records were made that are a credit to any line or variety.

This year Mr. Riley's line has made an other record and one of unusual value, which goes to show that his strain not only has the quality to win with but the quality to breed winners for his customers. This is the real test, and in this this line shines out strong during the past year. He has been given permission to use in his catalogue the state-

ments from several customers who last year bought eggs from him and hatched their winners from those eggs. The first prize pullet at the late Chicago show was hatched from his eggs. The first prize cockerel at the Boston (Mass.) Show was also hatched from his eggs, as also were the first and third prize cockerels at Canada's greatest show, the "Ontario," held at Guelph, December, 1912, with 69 cockerels competing. We also know of several other winners produced from eggs he sold the last two years.

Our day with Mr. Riley was well spent in going over his matings. To our mind, after handling, all his males and many females are easily 25 per cent stronger than ever before. The evenness and superb quality were especially noted.

There we saw in one of his pens his second New York cockerel of last year, who also won the color special. This bird has proven a wonderful breeder and as now mated should do even still better. His color and barring still feature him and he has filled out in grand form. Mates are a strong, even lot of fine size, the best of shape and desirable points.

Heading a pen close by is his third New York cockerel of this year, 1913. His honors were won in the strongest class of Barred Rocks ever brought together. This bird has come strong and promises to make one of the best ever. His line barring is admirable, very narrow and very bright and clean. His eight mates are a worthy collection, well balanced and we feel assured of results here.

His first Baltimore cockerel, 1912, and first Cleveland cock, 1912, follow in line, both retaining the great quality that placed them winners at those popular shows. The Baltimore cockerel in shade of color and style of barring was a feature last year and is today better than ever.

Besides these cockerel matings there are others headed by winners at New York, Williamsport, Cleveland and Baltimore, including both first and third cockerels at Cleveland, 1913. Both are very similar. They are bright and snappy and of excellent form.

#### Pullet Matings.

Mr. Riley has always been very strong in his female line; in fact, it was his winnings on hens and pullets that first attracted special notice to his line. Twice he has won first hen at the great New York Garden Show, and this, as in other years, he has been well placed there and at other shows. His matings in these were particularly pleasing to see. The males heading the pens are from his most famous winners, particularly from his first New York hens of 1911 and 1912 and first Cleveland hens of 1912 and 1913. They are very bright in color, handsomely barred and with prime form and head points. The females are just what we expected, knowing his line and record so well. They include all his winners and all that produced them.

Here and among these we saw and recognized many favorites of past shows and heard with interest their records and accounts of their breeding. Birds of this kind—winners and bred from winners—carry with them a value that words won't tell. Mr. Riley devotes all his time to his flocks and to the Barred Rock Club, of which he is secretary, and it is pleasing to see the success he is making with both. The Riley strain has had to be reckoned with in the past and will also have to be considered in the future.—H. P. Schwab.

J. A. Leland, Springfield, Ill., has some of the finest Columbian Wyandottes we have seen this season. Mr. Leland issued a large catalogue: send for one and mention A. P. J.

# Idlewood Poultry Farm

## THE MOST TALKED OF POULTRY PLANT IN THE COUNTRY

### BREEDERS OF

## Single and Rose Comb Rhode Island Reds and White Orpingtons

We are prepared to furnish the choicest quality in stock, eggs for hatching and day-old chicks. Our stock was exhibited this year at the great Pittsburg and Erie shows. Our winnings were as follows:

### Single Comb Rhode Island Reds

1st, 4th, 5th and 7th cockerels; 1st and 8th pullets; 1st, 2d and 6th pens; 3d and 4th cocks; 4th hen; 4 specials for type and color.

### Rose Comb Rhode Island Reds

1st, 2d and 3d pullets; 2d and 7th cocks; two specials for type and color.

Day-Old Chicks from Our Exhibition and Utility Stock a Specialty—Our hatchery is one of the largest in the country, having a capacity of 100,000 chicks. We are now booking orders for Spring delivery. Write us for further information and catalogue.

## Idlewood Poultry Farm : Swanville, Penna.



# "OCULUM"

Is a "wonder working" poultry remedy. It cures Cholera, Roup, White Diarrhoea and Canker in its worse form; increases egg yield 20 per cent; grows the finest chickens you ever saw; lessens your poultry troubles 50 per cent. So confident are we of the merits of OCULUM that we believe any honest poultry raiser will pay us when he "knows it does the work." At your dealers, or if you prefer, cut out this ad today and mail to us and we will trust you to do right by us.

**Hancock Inoculation Company, Box B, Salem, Virginia.** Write your name plain. Please send me a \$1.00, 50c bottle of OCULUM. I will test it fifteen days: if satisfied, will pay you; if not will return what I have not used.

Name..... Address.....

## Shield's S. and R. C. Reds

Winners at leading shows wherever shown. Young stock and last season's breeders and exhibition birds at reasonable prices. No better breeding. Write today.

Chas. Shields : Library Place, North Side : Pittsburg, Pennsylvania

## ALT'S S. C. REDS

Sensational winnings. Three years in succession our reds have won the highest honors at several large eastern shows, including Buffalo, 1911-1912 and 1913. If you want reds and type and color, that have won their honors, head and shoulders over their competitors, write for our mating list. A few choice cockerels for sale. We are believers in moderate prices.

Henry W. Alt, 87 Fuller Street, Buffalo, N. Y.

## S. C. WHITE, BUFF ORPINGTONS; S. C. W., BUFF, BLUE LEGHORNS; BUFF ORPINGTON DUCKS

Our 1st White Orpington Cockerel and A. P. A. Medal winner "Champion Snowflake," the sensation of Palace, N. Y., and Baltimore Shows. Our 1st Buff Cockerel, Grand Central Palace, a marvel in color and type. Our Leghorns well up in front and our ducks make clean sweep three shows. Stock and eggs.

Dunrobin Farm : Box 277 : Red Bank, New Jersey

## EGGS BY PARCEL POST

ALL CHARGES PREPAID AT FOLLOWING PRICES:

	EXHIBITION MATINGS		UTILITY MATINGS		
	Per 15;	Per 30.	Per 15;	Per 30;	Per 100.
White Wyandottes .....	\$2.50	\$4.50	\$1.50	\$2.75	\$6.00
S. C. Rhode Island Reds.....	2.50	4.50	1.50	2.75	6.00
Barred P. Rocks .....	2.50	4.50	1.50	2.75	6.00
Buff P. Rocks .....	2.50	4.50	1.50	2.75	6.00
White P. Rocks .....	2.50	4.50	1.50	2.75	6.00
S. C. Buff Orpingtons .....	2.50	4.50	1.50	2.75	6.00
S. C. White Orpingtons .....	3.00	5.75	2.00	3.75	8.00
S. C. Black Orpingtons .....	3.00	5.75	2.00	3.75	8.00
S. C. Black Minorcas .....	3.00	5.50	2.00	3.50	7.50
S. C. White Leghorns .....	2.00	3.50	1.25	2.50	4.50
S. C. Brown Leghorns .....	2.00	3.50	1.25	2.50	4.50

Send for Illustrated Catalogue describing all matings.

Goshen Poultry Farms, W. H. Schadt, Mgr., Box 29, Route 7, Goshen, Indiana

## WHITE ROCKS AND WHITE WYANDOTTES

The big shows are over and it is interesting to know who made the greatest WINNINGS. At the BOSTON SHOW, Jan. 7-11-13 in a class of 230 White Rocks WE WON 1st and 3rd Cock; 1st Hen; 1st, 2nd and 3rd Pullet; 1st Pen; \$100.00 Champion Challenge Cup; Best Male; Best Display; Best 2 Cocks; 2 Hens, 2 Ckls., 2 Pullets and Pen; Champion Male, Champion Female; Best Headed Male; 3 Best Cockerels and 3 Best Pullets.

Our Wyandottes won at New York, Dec. 31st to Jan. 4th, 4th Cock; 2nd Pen, in class of 18. Also at New Haven, Ct., Nov. 1912 on two entries, winning 1st Pullet; 2nd Cockerel and A. P. A. Silver Medal for best Cockerel in show owned by a member. Brockton Fair in Oct. 1912, on three entries winning 1st Cockerel; 2nd Pullet and 1st Pen. Shape and Color Special.

Extra choice breeding birds for sale. NO ROCK EGGS for sale before April 15th. Wyandotte Eggs after Feb. 15th. Remember WE HAVE A RECORD. Tel Marlboro Ex. Be sure to state WHICH BREED when writing us.

Rockandotte Farm : W. R. Graves, Judge : R. 3, Southboro, Mass.  
Mrs. S. H. Graves, Judge

## EXPERIENCE VERSUS THEORIES.

The best products manufactured today are those which are built on experience. Now, we will take as an example Farm Fence, because this is an article that most all farmers buy each year. A fence built upon Shop Theories is one thing, but a fence built upon experience to meet the farmer's requirements, one that successfully stood the test for years and years, is quite another matter. The Coiled Spring Fence Company of Winchester, Ind., whose ad appears in this issue, is making a fence that is built upon experience. It contains many practical ideas of farmers themselves, as they have been selling it direct to the farmer for 26 years. They have learned from experience what a farmer's fence ought to be to give satisfaction from a farmer's standpoint. You should write for their catalog at once.

## "THE WORLD'S BEST LAYERS" AS SEEN ON MIDLOTHIAN FARMS, TINLEY PARK, ILLINOIS.

By Louis A. Stahmer.

I have often heard about the magnificent records made by the fowls on this farm and know that the owners have for years been trap-nesting the different varieties which they breed, and on my recent visit was assured that they have succeeded beyond measure, by selective and line breeding, in producing varieties of fowls with phenomenal egg records. "Lady Show You" is without any doubt America's greatest egg producer. Coming from a strain of White Rocks that has been pedigreed for years, it is no wonder that her magnificent record of 281 eggs in twelve months, made at the Missouri State Experimental Station, will stand for some time, and as every egg weighed slightly over two ounces, it will be seen that she produced over five times her weight in eggs. Other remarkable layers at this contest who were added to the Midlothian Farm flock and winners of first prize were five Rhode Island Reds with a total of 1,042 eggs; a second prize pen of White Wyandottes with a record of 1,012; five Barred Plymouth Rocks with a total of 967 eggs, winners of fourth prize. The individual annual average of all these fowls is 201½ eggs per year. In addition to these five pens they have also secured a number of other record breakers of this contest.

Among others are Rose Comb Rhode Island hen, "Lady Hattie," with a record of 255 eggs, and Single Comb Rhode Island Red, "Lady Agnes," with a record of 236 eggs, and Single Comb White Orpington hen, "Lady Grace," with a record of 232 eggs, and White Wyandotte, "Lady Rose," with a record of 232 eggs, and Barred Plymouth Rock, "Lady Vera," with a record of 235 eggs, and a Single Comb Buff Orpington, "Lady Mary," with a record of 219 eggs, and Single Comb White Leghorn, "Lady Beatrice," with a record of 240 eggs, and four others with records of better than 200 eggs. All these records have been made under the personal supervision of Mr. T. Quisenberry, head of the experimental station.

They have spared no expense in obtaining the greatest layers of the birds competing at the experimental station, and as they have trap-nested for years their own flock this magnificent addition to their own strain will further strengthen the great record of their different pens to such an extent that the title of "The World's Best" layers is well claimed, we believe, for we have never heard of a greater number of fowls with better records than these.

In building up their eight varieties to their present state of perfection they have spared neither time nor expense. At the start they have paid as high as five hundred dollars for an individual specimen. Their foundation stock, at the time it was acquired, were representatives of the best practical fowls to be had.

These birds, under their management, have been mated and bred for increased egg production. They have been developed along these lines and today enjoy the distinction of being one of the very few strains that have not been inbred.

Their capacity for egg production cannot be equaled. They trap-nest annually eight hundred of the most promising pullets. After one year of trap-nesting, they take those that have the best egg records and mate them to produce the layers for the following year.

By this method they hatch only from the best. All the stock produced and of-



ferred for sale is therefore from the very best layers.

Midlothian Farms produce annually from six thousand to ten thousand head of stock. Fifty per cent of this number is culled out and sold either as broilers or roasters. This stock goes to the market department and is crate fattened and disposed of at very profitable prices to private trade in Chicago.

The poultry farms that have no market department sell this same grade of stuff as utility stock and whoever the unfortunate purchasers are they have bought stock that under no circumstances produce one cent of profit. There is not a farm in this country that culls as close as they do, as there are very few farms that have a market department.

### SIMPLICITY.

The word implies a great deal. It's the short cut to success, the keystone of fortune and the trouble eliminator.

Simplifying your business means decreasing the work and increasing the efficiency, resulting in greater product and less expense, or, when boiled down, means larger profit. Start now to simplify your poultry plant. The feeding proposition demands more attention than any other item and when given proper attention your poultry profits will be greatly increased.

Simplicity Feeders, made of heavy galvanized iron, take care of all your worries in this line. They are built and sold on merit. They feed your chickens nice, fresh, clean food when hungry. They keep the feed away from rats, mice and birds; they make your chickens scratch for their feed and save you the trouble of hiring a man for feeding or looking after them yourself every few hours.

By installing Simplicity Feeders you will save on grain, have less disease, less sparrows, less rodents, and get more eggs. The feeders will pay for themselves in less than two months, and they last a lifetime and never get out of order.

Simplicity Feeders are sold on an iron-clad money-back guarantee; they are shipped on trial and guaranteed to please. The Simplicity Baby Chick Feeder is a marvel. It will save many little chicks by feeding them nice, clean, fresh feed whenever they need it. It's something you have never seen before, a real chick saver. It's a treat to see the little fellows work it, and how they do enjoy the feed their metal mother throws out to them.

Prices so low, you can't afford to be without the Simplicity, whether you have 50 or 500 birds to feed. Let us send you a supply on 30 days' trial. Simplicity Supply House, Pontiac Building, Chicago, Ill.

We have been favored by the Cyphers Incubator Company, of Buffalo, N. Y., with a first copy of their complete catalogue of 1913, entitled "Profitable Poultry and Egg Production." This catalogue contains 244 pages and cover and while it is a catalogue of their incubator and supplies, it contains a vast amount of valuable information to the average poultry breeder. Chapter 1 tells what is possible in poultry meat production. Chapter 2 gives information on what can be done in the way of egg production. Chapter 3 is on deep-litter feeding experiments of 1912. Chapter 4 tells about quick maturity in general purpose fowls. Chapter 5 tells all about ages and weights of chickens for table use. Chapter 6 tells how to establish prolific egg-yield flocks. Chapter 7 is entitled "Today's Best Chance in the Poultry Business." Chapter 8 gives information on small scale poultry keeping on the practical basis. On pages 15, 16 and 17 they give full information about the Cypher Company's free bulletins and personal letter service. The Cypher company's service bulletins are 7½ x 10 inches in size and a hole punched in the back margin so that they can be preserved conveniently. To each customer they furnish, free of charge, a durable fiber paper binder which will hold 24 to 48 bulletins, so that later bulletins when received can be placed in the binder for future use. Their special letter service should certainly be of interest to every poultry man. This service is free to all without charge and with no strings tied to it. There are just two conditions, first, that the information or advice that you ask for shall bear directly on your own poultry interests, present or future; second, that you must be in earnest. If you need reliable data, practical information and helpful suggestions to apply to your special needs, whatever they may be, all you have to do is to write them fully and frankly and they will do their best to be of real service to you. There are a hun-

## Columbian and Silver Wyandottes

If you are looking for the very best in either of the above we can please you—our birds have demonstrated their quality by their winnings at Madison Square Garden and Boston for the last ten years.

J. F. Van Alstyne

Niverville, New York

## 60 S. C. RED COCKERELS

For sale at low prices. Eggs for hatching from prize winning pens. Satisfaction or money back. Write today.

T. MENDENHALL

RIDGEFARM, ILLINOIS

## BUFF AND BLUE ORPINGTONS

Miss Hooker, for twelve years a Blue Ribbon Buff Orpington breeder, is successfully breeding Blue Orpingtons of which she was the pioneer importer. Very little stock for sale. Illustrated catalog. Mating list on application. Eggs from Buffs, \$3-\$20 for 15; from Blues, \$15, \$20, \$25 for 15. Both strains heavy layers.

## Henrietta E. Hooker, South Hadley, Massachusetts



## S. C. Black Orpingtons

SPRING OF 1913—\$10 Eggs for \$4 for 13—Why are they \$10 eggs? Because they are the equal of any \$10 eggs in the United States, and all are from our celebrated Duke of Kent strain—the greatest prize winning strain of Black Orpingtons in America. Send for egg circular and beautiful 9x12 chromo. Very high grade young stock for sale. Mention Am Poultry Journal when writing.

FOSTER & JOHNSTON, R. R. 7, FORT WAYNE, INDIANA  
Honorary State Vice-President American Orpington Club

## MAPLEWOOD POULTRY YARDS

H. W. HAYNER, SUPERINTENDENT : ATTICA, NEW YORK

Again sweep the deck by winning the two most coveted prizes at the big Batavia Show (over 1300 entries), Jan. 22d to 27th, 1913.

### SILVER CUP FOR BEST MALE IN SHOW

(Won by 1st S. C. W. Leghorn Cock)

### SILVER CUP EXHIBITOR WINNING MOST POINTS

13 firsts, 14 seconds, 13 thirds, 8 fourths, 4 fifths and other specials too numerous to mention. Why not buy stock, eggs and chicks from a Farm that has proved its superiority and sells at reasonable prices. Send for catalogue and mating list of S. C. W. Leghorns, White Wyandottes, Pekin Ducks, Indian Runner Ducks. Stock and eggs for sale. Baby Chicks a specialty. Send for list of Winnings at Syracuse State Fair, 1912, International Show, Buffalo, 1913.

## THE HOPPER THAT FEEDS WHEN THE CHICKENS ARE HUNGRY



It saves the inconvenience of feeding at a regular time. When the chickens get hungry they go and eat. It is 30 inches long, stands 16 inches high, built with two compartments, one for dry mash and one for oats, holding one peck each. Between are two small compartments for grit, oyster shell or charcoal, holding about 2 quarts each.

## IT CAN'T CLOG

The pecking of the chickens in the trough operates vibrating tongues which bring down the feed.

THE O. K. SANITARY DRINKING FOUNTAIN is the handiest to use and the easiest to keep clean.

DOUBLE WALLED, TOP FILL—Cool water in summer, and nonfreezing in winter.

We are issuing a booklet describing this hopper and drinking fountain, and many other new, labor saving devices for the poultry yard,—also a complete line of Incubator and Brooder Supplies, Fixtures and repairs—Safety Lamps, Automatic Regulators, Incubator and Brooder Heaters, etc., etc. Send for catalog B20.

The Oakes Manufacturing Co., Tipton, Indiana





**THIS IS THE ALUMINUM "CONVENIENT" LEG BAND**  
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Eggs : Day-Old Chicks : Stock

Our famed Crystal Strain, Eastern Champions, satisfy the hard to please. Bred from trap-nested, individually pedigreed, record layers of exceptional quality, most carefully mated; vigorous, farm reared stock. The rare combination of show points and prolific egg production. Our interesting catalog awaits your request. It's free.

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## ROUP AND WHITE DIARRHOEA

WHITING'S POULTRY REMEDIES ACTUALLY DO CURE

**ROUPENE Actually Does Cure Roup.** We don't care how bad the case is so long as the bird is not in the last gasps of death. **ROUPENE** cures Roup, Diphtheritic Roup, Canker and leaves no weakness or bad after effects. Just try **ROUPENE** once. Pick out a bad case, one if possible on which other remedies have failed. We guarantee a cure or refund money.

**ROUPENE** is a germ destroyer. It not only cures but prevents contagion. You don't have to quarantine the affected birds. It cures also Sorehead, Limberneck, Colds and Pip, which are all diseases of the same character. Price, 50c and \$1 a bottle.

**WHITE DIARRHOEA REMEDY** Prevents and Cures Diarrhoea, the disease that destroys more chicks than all others combined. If you will make the first two or three feeds of baby chicks bread crumbs moistened with Whiting's White Diarrhoea Remedy, and give them no other food it will prevent their having White Diarrhoea, or will cure them if they already have it. Don't take our word for it. Try it. We guarantee results or refund money. One of the largest dealers in baby chicks will not now sell a chick that has not been treated with Whiting's White Diarrhoea Remedy. Price, 50c a bottle.

One Chick Saved Pays for a Bottle

Whiting's Poultry Remedies are sold by dealers, or mailed direct on receipt of price. These are the two great disease scourges of poultry raising and Whiting's are the dependable remedies you need on hand all the time to make poultry pay.

The O. K. Sales Co., Dept. 1, 160 Pearl St., New York City, N. Y.

## ONLYA FARM WHITE WYANDOTTES

High  
Quality  
Day-Old  
Chicks  
and  
Eggs



High  
Quality  
Day-Old  
Chicks  
and  
Eggs

from twenty carefully mated pens, which contain our many winners at such shows as Madison Square Garden, Grand Central Palace, Boston, Allentown, Augusta, Chicago, etc. Our birds having won at these shows many firsts and specials in the hottest kind of competition. Every bird shown, as well as every bird in our breeding pens, has been raised by us on our farm and banded with our seamless leg band. Chicks, \$1, 50c and 30c each. Eggs, \$10, \$5 and \$3 per 15. Breeding and show birds for sale. Cockerels and pullets, \$2 and up. Write for mating list.

Chas. Staaff, Mgr., Florham Park, New Jersey

dred and one other matters in this catalogue that can't help but be of interest and benefit to the average poultry raiser and therefore every one of our readers should make it a point to get a copy of this catalogue, which is sent free on request if you will address the Cypher Incubator Company, Department 30, Buffalo, N. Y.

AT NEW YORK.

For many years Mr. H. N. Hanchett was a breeder and exhibitor of some of the best Buff Cochins in the country and has been an advertiser in every issue of American Poultry Journal for about 15 years previous to 1911. During that time he was located at Jackson, Mich. He is now located at Vineyard Haven, Mass., where he is breeding White Wyandottes. That he has birds of extraordinary merits is shown by his winnings at the "Garden" this year in a class of 261 birds, shown by 16 exhibitors. Mr. Hanchett states that he has but four matings for the coming season, as it is quality rather than quantity that he is after, and will have only a limited number of eggs to spare from each pen. We can not resist adding that if his White Wyandotte customers receive the same value and satisfaction as did his Buff Cochins patrons for 15 years or more, there will be no cause for complaint. During all the years his ad appeared in this paper not one person has ever written that he failed to get a square deal from H. N. Hanchett. See his advertisement in this issue and send for his printed matter if interested, addressing him at Vineyard Haven, Mass.—C. W. Zimmer.

REGALS AT BOSTON.

John S. Martin, Port Dover, Ont., the well known breeder of the famous Regal strain of White Wyandottes, made a grand win with his birds at the Boston show last month, where he won 1st, 6th cocks; 1st, 4th, 5th hens; 1st, 3d, 4th cockerels; 1st, 3d, 4th pullets; 2d, 3d, 4th pens; 1st display with a score of 72 points, which was 12 points more than all his competitors combined. He also won nearly all specials, including the \$100 challenge cup. This winning was made in a class of over 215 White Wyandottes.

RED "BLOOD WILL TELL."

The Red Ranch, at South Haven, Mich., S. C. R. I. Red specialists, that is able to boast "all breeders sired by champion cocks," on only eight entries at two shows, won twenty-six regular and special prizes. At the Western Michigan show, at South Haven: 1st, 2nd, 3rd and 4th cock and 1st, 2nd and 3rd hen; also eight club specials for shape and color. At the Southwestern Michigan show, at Kalamazoo: 1st, 2nd, 3rd and 4th cock and 1st, 2nd and 5th hen; also four color and shape specials. No young fowls exhibited this season.

On another page we present the photo of F. S. Smith, Box C and D, Hamilton, Ohio, the big Single Comb Buff Leghorn breeder. He has no other breeds and raises Buffs by the thousands. He has mated this year over 1,500 birds that are the select stock from over 47,000 raised in the past four years. Think of that number and you can be convinced that he has the best in the world. Mr. Smith has line-bred his Buffs for the last 15 years. He is an old advertiser and our representatives call on him every year and always find a fine flock of birds. His Buffs are noted for their great winter laying. He has pen records of 222½ eggs each year to the hen, and he has won more than his share of Ribbons and silver cups at thirteen of the big shows. He has 25 fine silver cups, ranging in value from \$10 to \$200.

He has stock for sale at all times and eggs and day-old chicks by the thousands. See his ad in this issue and if you want some of his valuable stock you will not make a mistake in Smith's Strain of Buffs.

L. J. Morris, Oberlin, Ohio, breeder of Buff and Columbian Wyandottes, won at the late Toledo show, on Columbians, 2d and 3d pens. His Buff Wyandottes have also won at Cleveland and other big shows. His stock has even surface color, fine head points, good shape and excellent legs and toes. His pens are all mated for the egg trade. Write him, and mention American Poultry Journal.

When in the market for Buff Plymouth Rocks, send to W. S. Robison, Fayette, Mo., for circular. Mr. Robison wins wherever he shows. He has several fine breeding cockerels for sale.

OCULUM increases egg yield 20 per cent; a free trial; ad page 594.



# Poultry Books

## AT A CUT PRICE

A complete list of poultry books that everybody interested in poultry should have. This list is made up with the idea of supplying the wants of all poultrymen, and covers about every phase of the industry; in fact, this list of books make almost a complete poultry library, and by taking them all at a cut price you will be well equipped to make a success of this business. The books in this list tell you how to line breed, how to feed for egg production, how to reduce your feed bill, how to mate to produce exhibition birds, how to prevent and cure diseases, how to mix a balanced ration, how to build poultry houses, poultry appliances, etc. Following is the list:

### DR. PRINCE T. WOODS' NEW BOOK HOW TO RAISE CHICKS

128 PAGES—35 ILLUSTRATIONS

A down-to-date manual on breeding poultry. Tells in plain language how to select and mate breeding stock, what to feed and how to feed it, how to care for and manage breeding stock, how to select eggs for hatching and how to care for them before and during incubation, how to get good hatches with incubators, how to raise chicks with hens and brooders, how to prepare home-made chick foods, how to build brood and colony coops. It also gives facts about White Diarrhoea, including prevention and treatment, and much other valuable information that cannot be obtained elsewhere. Price 75 cents.

### OPEN-AIR POULTRY HOUSES FOR ALL CLIMATES

By Prince T. Woods, America's Leading Authority on Practical Poultry Keeping

The best house book ever published. Be sure to read it before you build or make alterations in your poultry houses. 88 pages and 46 illustrations. Tells how to build the kind of houses that the most successful breeders all over the country are building and recommending. The "Fresh-Air House" has come to stay and you will want to build one. It means better fowls, freedom from disease in the flocks, better egg yield, better fertility, better chicks. No matter where you live, if you keep poultry you need this book. This book gives full plans and specifications. Price 75 cents.

### Origin and History of All Breeds of Poultry

This book gives a complete history and the origin of all the recognized varieties of chickens, ducks, geese and turkeys, and is illustrated with 198 colored pictures of fowls painted from life, something never before attempted by any publisher. This is, without question, the greatest book ever published on poultry. The artist's work alone on this book took almost one year's time to complete, but it shows the fowls in their natural colors and correct shape, and these colored pictures, together with the history of each variety, gives the fancier all the information to produce fowls for either exhibition or breeding.

**How to Mate**—This book also tells how to properly mate the different varieties of fowls to produce birds that will conform to Standard requirements. This is something that even the Standard of Perfection does not do. It tells you at a glance what it will take years of practical experience to learn. It is a book that no breeder or fancier can afford to be without, as it is just as suitable for the needs of the experienced fancier as for the amateur. Price \$1.00.

### Successful Poultry Culture

Contains 128 pages and is a practical treatise on everything you want to know about the poultry business. It tells you his method of saving three-fourths the feed bill, and many other valuable pointers which will save you many times the price of the book.

Space will not permit a detailed description of the entire book, but the following will give you an excellent idea as to its great value. Besides 30 illustrations of standard bred poultry and poultry houses, it contains chapters on the following subjects: The Way to Succeed; Some Interesting Poultry Statistics; The Pleasure of Poultry Culture; Advice to Beginners; Poultry and Pin-Money for Women; Boys and Poultry Culture; Poultry on the Farm; How to Succeed on a Small City Lot; How to Succeed with a Large Market Plant; How to Get Eggs in Winter; How to Feed Young Chickens; Success with Incubators; Success with Brooders; How to Cure Diseases; How to Build Poultry Houses; Plans for Model

Poultry Houses; Profits in Poultry Culture; Scientific Feeding. Regular price \$1.00.

### Diseases of Poultry

By D. E. Salmon, D. V. M., Chief of the United States Bureau of Animal Industry. Every poultryman should have this book in their poultry library. It contains 250 pages, and every disease to which fowls are subject is treated in a most thorough manner. The cause, symptoms and cure of each disease is put before the reader in such a manner as to be understood at a glance. With this book in hand you can be your own poultry doctor. Better order one now and not wait until your fowls become ill. Regular price 50 cents.

### "Why Poultry Pays and How to Make It Pay"

A book for the beginner in poultry raising and for those engaged in it who are interested in deriving from the business the greatest profit. The book tells you how to start right, how to succeed with poultry, how to line breed, how to win at the shows, how to breed and prepare fowls for market, how to feed for the production of eggs, contains a chapter on poultry diseases and simple remedies for same. Gives instructions on incubators and brooders, much other valuable information and is profusely illustrated with ideal drawings of standard fowls. Price 50c.

### "How to Build Poultry Houses"

A book devoted to the construction of poultry houses and fixtures gives plans and specifications for building all kinds of poultry houses, brood coops, nest boxes, dust boxes, shipping coops, etc. It will save money by telling just the kind of house desired for the different localities and the size best suited for the various sized flocks. Regular price 50c.

### American Poultry Journal Hand Book

Contains valuable recipes and trade secrets, feed, care and management in health and disease. Pocket size, 15 cents.

## Total \$5.15---Cut Price for the Eight Books, Prepaid, \$3.40

This is a saving to you of one-third from the regular price. Better order now before the price is advanced. If you want only a few of these books send in full price, as no reduction is allowed from the list price unless all eight books are ordered. You need all of them. You can also get any 50-cent book and a full year's subscription to American Poultry Journal for \$1.25, a 75-cent book and a full year's subscription to American Poultry Journal for \$1.40 or a \$1.00 book and a full year's subscription to American Poultry Journal for \$1.50.

**AMERICAN POULTRY JOURNAL PUB. CO.**  
542 SOUTH DEARBORN STREET, CHICAGO, ILLINOIS



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## PLYMOUTH ROCKS.

**BUFF ROCKS**—EGGS FOR hatching from the best birds money could buy of the famous Poley's World's champion strain. Grand pens now mated. Eggs \$3.00 and \$2.00 per fifteen. Mrs. Marge Rose, Liberty, Ind. 2-4

**RENAKER'S PARTRIDGE PLYMOUTH ROCKS** winners wherever shown. At American Fanciers' Show, Cincinnati, 1913, just won ten ribbons on fifteen entries in a class of 82 birds against hottest competition. Stock for sale at right prices. Also eggs and baby chicks. Write for Mating List and other winnings. Walter C. Renaker, Fernbank, O. 3-5

**FLOWER CITY POULTRY FARM'S** Barred Rocks, males heading pens score 91½ to 92½; pullets none lower than 90½. Latest winnings January 8 to 11 Mo. Interstate Poultry Show (Judge Branch scoring), 1st, 2nd cockerels, 3rd hen, 3rd pullet, 2nd, 3rd pens and 3 specials. Booking egg orders. State what mating desired. B. Y. Jaudon, Palmyra, Mo. 3-5

**LARGEST BUFF ROCK** farm in Northwest. Circular free. L. B. Hanna, Austin, Minn. 3-5

**EGGS FROM THOMPSON'S** Imperial "Ringlet" Barred Plymouth Rocks. Pullet and cockerel matings. Day-old chicks. From best matings. W. F. Wright, Spirit Lake, Iowa. 3-5

**SILVER PENCILED PLYMOUTH** Rock eggs \$2.50 per 15. Herb Fallner, Newton, Ill. 3

**E. B. THOMPSON'S STRAIN.** Barred Rocks, quality, yellow bills and legs. Hatching eggs, \$1.50 fifteen. Four weeks old chicks. Summitview Poultry Farm, Deerfield, N. Y. 3-5

**EGGS FROM WHITE PLYMOUTH** Rocks, which took ten premiums at Decorah, four at New Hampton this January. Selected, \$2.00 fifteen; utility, \$1.25 fifteen, \$5.00 hundred. Mrs. John A. Jewell, Cedar Hill Farm, Decorah, Iowa. 3-5

**"RIVERDALE" PARTRIDGE** Rocks. Birds for sale. Eggs from six fine pens. R. F. Schuler, Roann, Ind. 3

**WHITE PLYMOUTH ROCK** eggs, \$1.00 to \$3.00 per 15; baby chicks, 15c to 30c each. Won 19 ribbons at three shows on total entry of 23 birds. Satisfaction guaranteed. Geo. A. Carpenter, Appleton, Wis. 3-5

**COLUMBIAN ROCKS.** Blue ribbon winners. Eggs reasonable. Order early. Clarence Johnson, Attica, Ind. 3

**REMEMBER NICODEMUS' White Rocks** won at Cleveland, Akron, Wadsworth, 1913. They are of the best blood in America. Eggs, \$3 per 15. Winning cockerels cheap. Write. Oscar Nicodemus, Wadsworth, Ohio. 3

**RINGLET BARRED PLYMOUTH ROCKS.** Direct from E. B. Thompson, both matings, 3 pens. Eggs, \$2.50 per 15; \$4.50 per 30; farm flock, \$1.75 per 30; \$2.50 per 50; \$4.50 per 100. Circular free. Satisfaction guaranteed. Mrs. Wesley Jones, Lancaster, Mo. 3-5

**WHITE ROCKS EXCLUSIVELY.** Prize winners at Indianapolis, Cincinnati and Hamilton. Line bred for 13 years. Females from 7 to 10 lbs. Males, 10 to 13 lbs. Eggs, \$2.50 per 15. Satisfaction guaranteed. H. L. Brown, Oxford, Ohio. 3-5

**"COLUMBIAN AND PARTRIDGE ROCKS."** Eggs for hatching. Satisfaction guaranteed. J. Lee Simmons, Adamstown, Md. 3

**ASTLE'S QUALITY BUFF ROCKS.** Eggs from fine choice pens of excellent layers containing my winners from Poley-Delventhal strains. Very reasonable prices. Write for free mating list. Milan C. Astle, Momence Ill. 3-5

**RINGLET EGGS.** All pens are headed by cocks and cockerels direct from E. B. Thompson. Eggs, \$1.50 setting; fair hatch guaranteed. M. L. Stamper, Clifton Hill, Mo. 3

**WHITE PLYMOUTH ROCK** eggs. Winter laying strain. Blue ribbon winners. Write for free booklet. C. L. Atkinson, Cynthia, Ky. 3-5

**LAWSON'S CHAMPION BARRED ROCKS** won best display at Somerset, Greensburg, Vandergrift, Leechburg, Scottsdale, and Latrobe, defeating first prize Pittsburgh winners at these shows. Stock and eggs for sale. H. W. Lawson, Latrobe, Pa. 3-5

**STANDARD WHITE ROCKS** with snow-white feathers, golden legs, beautiful birds. Eggs, \$3 for 15, from high scoring pens. \$1.50 for 15, or \$7 per 100, from farm flock. A. Sutherland, Portland, Ind. 3-5

**BARRED PLYMOUTH ROCKS.** Bred-to-day Parks strain. Eggs, \$1.50 for 15. Satisfaction guaranteed. R. S. Baker, Decatur, Ill. 3-5

**BARRED PLYMOUTH ROCK** eggs \$1.25 per 15, \$2.25 per 30, from a great laying strain. None better. Book your orders early. Mrs. John Cunningham, Box D, Volga, Iowa. 3-5

**BARRED ROCKS, Ringlet's.** Farm bred. Eggs, 15, \$1.00; 30, \$1.50; 100, \$3.50. E. P. Churchill, Allerton, Iowa. 3-5

**QUALITY WHITE ROCKS.** Won all five firsts at Dixon, Ill., show, January, 1913. Eggs and baby chicks. Free circular. A. G. Goldthorpe, Milledgeville, Ill. 3-5

**26 EGGS \$1.00; \$3.50 per 100.** Thompson's "Ringlet" strain of pure bred Barred Plymouth Rocks. Write for circular. Frank Moore, Madison, Ind. 3-7

**BARRED ROCKS.** Fluffy Ruffles strain again won clean sweep 1912. Eggs from silver cup winners \$5, others \$2 and \$1.50 setting. Fair View Yards, Frederick Coons, Greendale, N. Y. 3-5

**COLUMBIAN PLYMOUTH ROCKS.** Eggs for hatching during March and April. Member Columbian Plymouth Rock Club. Samuel L. McKabney, Kane, Ill. 3

**RINGLET BARRED ROCK** cockerels for sale, \$3.00 up. Eggs in season. Martin Bates, Rea, Pa. 3

**WHITE ROCKS, Greystone strain.** Champion sweepstakes cock Rockford, 1913, heads pen. Eggs, \$2.00 15. T. Heffron, Rockford, Ill. 3-5

**HIGH GRADE BARRED ROCKS.** Bradley Bros. strain. Eggs, \$1 for 15, \$1.75 for 30, \$5 per hundred, \$8 for 200. Satisfaction guaranteed. Mrs. Henry E. Confer, Lena, Ill. 3-5

**BARRED ROCK EGGS, \$3 per 15.** Hiner, 230 Harmon Ave., Detroit, Mich. 3-4

**BARRED ROCK EGGS, 15, \$1.50.** Mrs. Warren Sadorus, Sadorus, Ill. 3-5

**"FISHEL" WHITE ROCKS.** Eggs and baby chicks from excellent matings. Send for circular. Chas. H. Conway, Mishawaka, Ind. 3

**PANCY PARTRIDGE ROCKS** three dollars per setting. Hilltop Farm, Wickliffe, Ohio. 3-5

**CHOICE BARRED ROCKS,** either mating, two dollars per setting. Utility Barred Rocks, seventy-five per hundred. Hilltop Farm, Wickliffe, Ohio. 3-5

**BARRED ROCK, BRADLEY STRAIN.** Eggs, \$2.00 15; incubator, \$4 per 100. G. O. Anderson, Rushville, Ind. 3-5

**BUFF ROCK EGGS** for settings. Prize winning stock. Mrs. Burnell Phillips, South Dayton, N. Y. 3-5

**WHITE ROCKS, GREAT LAYERS.** Eggs, 15 for \$1.00; 100, \$5.00; pens, \$2.00. Baby chicks, 15c. Flock headed by birds from Fishel's. Good eyes, 5-point comb, excellent shape. Mrs. Melvin Baird, R. S. Red Oak, Iowa. 3-5

**PARTRIDGE ROCKS.** Peoples National Bank backs our business. G. Ruck & Co., R. 5, Wapakoneta, Ohio. 3-5

**"LARGEST" BARRED ROCKS** in the world. Fifteen years line-bred for weight and exhibition. Hens weigh 10 pounds. Matings contain Rochester, N. Y., first prize cockerel-mating and sons of this male. At Illinois State Show, 1913, won first prize exhibition cockerel, first prize pullet mating pen, second prize hen, cockerel-bred, on entry of 8 birds. All matings scored 90 to 93 by Schwab, Pierce, Russell, McCord, Holden. Largest exclusive Barred Rock farm in Illinois. Eggs, \$2.00 15, \$5.00 45, \$10.00 100. Luther J. Hall, Kenney, Ill. 11-12-lyr

**MY RINGLET BARRED ROCKS** won at great Fort Wayne show, 1913, 1st cockerel, \$20.00 cup for champion male Barred Rock, certificate on \$75.00 challenge cup for champion male of entire show, and 5th hen. Eggs, \$2.00 and \$5.00 per 15. Earl Wise, Corunna, Ind. 3-5

**PARTRIDGE ROCKS,** Bird Bros. strain. Choice stock and eggs for sale. Harry O. Kimble, Mishawaka, Ind. 3

**BUFF ROCKS.** Winners of three cups at Maine State Show, January, 1913. Cockerels, \$2.50 and up; females, \$2 up. Trios, \$6 up. Eggs, \$1, \$2 and \$5 per 15. L. E. Curtis & Sons, Freeport, Maine. 3

**MATHEWS' WHITE PLYMOUTH ROCKS**—winners, layers and payers. Stock and eggs for sale. Eggs, \$3.50, \$2.50 and \$1.50 per 15; flock eggs, \$6.00 per hundred. Mention American Poultry Journal. W. D. Mathews, Bowen, Ill. 3-5

**PRIZE-WINNING BARRED ROCKS,** bred to lay. Fifteen eggs \$1.50. W. O. Irby, Piggott, Ark. 3-5

**EVENTUALLY YOU WILL** want the best in White Plymouth Rocks. Why not buy them now? Mine will please you both in quality and price. Write today. E. A. Hayward, Cookeville, Ill. 3

**NEW GOLDEN BARRED ROCKS.** Buff or White. The money makers. Could not fill all the orders last season. For information and prices on eggs address G. S. Heinrich, Neenah, Wis. 3-5

**"RINGLETS" OF SUPERIOR** quality. Pens contain my 1911-12 winners. Eggs from special matings, \$2.50 per 15. Range flock, \$1 per 15. Sadie Sunderland, Jerseyville, Ill. 3-5

**\$4.00 PER 100, \$1.00 per setting.** Eggs from mammoth Barred Rocks. Weight to 16 lbs. Howard Irvin, Polo, Ill. 3-5

**PARTRIDGE ROCKS (Noftzger).** Eggs, \$2 and \$4. Circular A free. Glenn Jackson, Dana, Ind. 3

**PARTRIDGE PLYMOUTH ROCKS.** Premium stock. Eggs, two dollars for fifteen. Mrs. Florence Craun, Butler, Ind. 3-5

**PARTRIDGE PLYMOUTH ROCK** eggs, \$1.00 for 15. Noftzger strain, extra large beauties. First prize pullet Jacksonville, Ill. Great layers. Order early. Jersey Poultry Yards, Jerseyville, Ill. 3

**BARRED P. ROCKS**—Ringlet strain. Eggs by the setting or by the hundred. I. Bartman, South Elmhurst, Ill. 3

**WHITE ROCKS.** Heavy laying stock, \$1.50 per setting. Theodore Poole, Syracuse, N. Y. 3

**BARRED ROCKS (RINGLETS).** First prize at Middletown, N. Y. Eggs, \$1.00 thirteen, \$6.00 hundred. Stock for sale. B. Rhodes, Port Jervis, N. Y. 3-5

**WHITE ROCK EGGS** from prize winners, \$2.00 and \$3.00 setting. W. E. Rudicel, Martinsville, Ind. 3

**RINGLET BARRED ROCKS.** Winning first cock, first cockerel, second, third and fourth hen, second, third and fourth pullet, first pen and special prize for the best Barred Rock at the Green County Poultry Show, Monroe, Wis., December, 1912. Also first cock, third hen, fourth and fifth pullet, second pen at Rockford, Ill., January, 1913. Eggs from cockerel or pullet mating, \$2.50 per 15, \$4.00 per 30, \$7.00 for 60. H. P. Larson, Woodford, Wis. 3-5

**GET THOSE LARGE BROWN EGGS** from my prolific Barred Rocks. Pens headed by superb males, whose mother's record exceeds 200 eggs in pullet year. C. A. Newcomb, Celina, O. 3-5

**"FISHEL" WHITE ROCKS** direct. Eggs, \$3.00 per 15. Catalog free. Plummer McCullough, Mercer, Pa. 3-5

**BUFF ROCK EGGS** from fine utility birds. Average score about 92 points. \$1.50 per 15; \$7.00 per 100. J. A. Heiser, Fisher, Ill. 3-5

**BENNETT'S BARRED ROCKS** are winners. Eggs, \$1.50 per setting; \$5.00 per 100. Special matings \$3.00 setting. Bradley Bros.' Strain baby chicks. Circular. R. M. Bennett, Box 591, South Charleston, Ohio. 3-5

**FISHEL WHITE ROCKS**—Cockerels, pullets, \$1.50. Eggs, fifteen, \$1.50. John Schaffsteln, North State, Evansville, Ind. 3

**SPLENDID WHITE ROCKS.** Breeders, eggs, chicks; prompt delivery. Catalogue. B. B. Hatchery, Chatham, N. Y. 3



## PLYMOUTH ROCKS.

**PARTRIDGE ROCKS—THE BEAUTY BIRD** that fills the egg basket. (Noftzger strain.) Hatching eggs now ready. Special price on early booked orders. Write quick. Chas. A. Hisey, Attica, Ohio. 3

**COLUMBIAN ROCK.** "Allen's Empire Strain." Clean sweep, Madison Square and Pittsburg; winners at Boston, Buffalo, Philadelphia. Mating list out. S. C. Allen, Rural Box 6, Orchard Park, N. Y. 3-5

**SINGLE COMB WHITE LEGHORN** eggs, 75c per 15. Wyckoff's strain. Aubrey B. Beall, Davidsonville, Maryland. 3

**DETWILER'S ROSE COMB** Brown Leghorns are backed with the best blood lines of today. Type, quality and capacity to deliver the "goods." Double matings used. Fresh eggs, \$5.00 100; live chicks, \$13.00 100. Get our new catalogue today. Cloverdale Poultry Farm, Route 1, Seville, Ohio. 3-5

**RINGLET BARRED ROCKS, SINGLE COMB** Buff Orpingtons. Rocks scoring 92½. Orpingtons 91½. Russell and Cooley, judges. Eggs, 1st pen, \$3.00; 2nd, \$2.00. Mating list free. Mrs. J. H. Hamilton, Milton, Iowa. 3

**WOODSIDE PARTRIDGE ROCKS.** America's best strains. Blue ribbon winners at Buffalo, Rochester, Geneva. Eggs, \$3.00 per 15. Woodside Farm, Middleport, N. Y. 3-5

**BARRED, WHITE, BUFF ROCKS,** choice stock reasonable. Eggs, \$2.00 per 15, \$3.00 per 100. August W. Schroeder, St. Peter, Ill. 3

**WHITE PLYMOUTH ROCKS** ("Fishel's Direct"). Best layers on earth. Eggs, \$1 per 15; \$6 per 100. Grace Eby, R. 4, Osborn, Ohio. 3-5

**PARTRIDGE ROCKS OF QUALITY,** 15 eggs \$2.50. Cockerels cheap. J. A. Stormont, Salem, Ill. 3-5

**500 BARRED ROCK PULLETS** for sale that will make splendid layers. Eggs for hatching in 100 or 1,000 lots. L. F. Thompson, Hope, Indiana. 3

**ROYAL COLUMBIAN ROCKS,** first Indianapolis winners. Mating list free. Satisfaction guaranteed. Martin C. Arnholt, R. 1, Columbus, Ind. 3

**WHITE ROCK COCKERELS,** Fishel's, Barred Thompson's, \$3. Eggs, 15, \$1; 100, \$5. A. R. Lee, Sawyer, Mich. 3-5

**"RINGLET" BARRED ROCK** eggs. Both matings, 15, \$1.50; 30, \$2.50. Incubator eggs, 100, \$5.00. Mrs. R. M. Parker, Kenney, Ill. 3-5

**CHICAGO WINNING BUFF ROCKS.** Eggs, Three Dollars. Pedigree-mating list free. W. R. Hobbie Bank Building, Kankakee Ill. 12-12-13

**BARRED ROCKS.** E. B. Thompson strain direct. Eggs from pullet and cockerel matings, \$3.50 per 15, \$6.00 per 30. My winnings in January, 1913, at Madison: First, 2nd, 4th, 5th pullet; 1st, 3rd hen; 3rd cock; 1st pullet-bred pen; 3rd cockerel-bred pen; 1st exhibition pen; special on shape pullet; special on color hen. Utility eggs, \$5.00 100. Mrs. E. A. Oliver, Belleville, Wis. 3-5

**RINGLET BARRED ROCKS.** E. B. Thompson's strain direct. Vigorous, farm-range stock. Eggs, well packed, \$1.00 for 15; \$4.00 per hundred. Ade Stevens, De Pauw, Ind. 3-5

**AM NOW BOOKING ORDERS** for eggs from bred-to-lay Barred Rocks. Eggs from mature matings, nice, big, healthy, well marked, free range, bred for quality and utility. Write for prices. Mrs. J. W. Bugg, Assumption, Ill. 3-5

**WHITE ROCK** eggs from pens direct from Fishel, \$2 setting; thirty eggs, \$3; fifty eggs, \$5. Sunflower Poultry Yards, Grafton, Ill. 3-4

**BARRED ROCKS.** The leading winners at Pittsburgh, Pa., the last 8 years. Bradley's and Latham's strains. Pure. Stock for sale. Send for my mating list. Satisfaction guaranteed. H. L. Fike, Box 4, Meyersdale, Pa. 3-4

**EGGS FROM PURE BRED** Plymouth Rocks, Ringlet strain, at \$1.00 for 13. William M. Doig, Walton, N. Y. 3-5

**GOLDEN BELL BUFF ROCKS.** Handsome booklet with photos from life free. Baby chicks and eggs reasonable. H. L. Ragsdale, Centuria, Ill. 3-5

**IMPERIAL "RINGLET" BARRED ROCKS.** Mated by expert judge. Special pens, \$1.50, \$3.00, \$5.00 per 15 eggs. Utility, \$5.00 100. Fertility guaranteed. Maple Grove Farm, Route 9, Decatur, Ill. 3-5

**SNOOK'S WHITE PLYMOUTH ROCKS.** Eggs from sturdy stock on free range, \$1.50 per 15, \$7.50 per hundred. Infertile eggs replaced. Satisfaction guaranteed. D. W. Snook, Lewis-town, Md. 3-5

**WHITE ROCKS—**Some good stock for sale, and eggs now ready from choice birds. Bessie Bush, La Hogue, Ill. 3-5

**FISHEL WHITE ROCKS.** Eggs, \$2.00 per 15. Geo. Ashdown, 3859 Park Ave., Chicago. 3-5

**"RINGLET" BARRED ROCKS—**Exhibition quality. Cockerels and pullet mating. Cocks, hens, cockerels, pullets, \$2.00 to \$5.00 each. Mated breeding pens, 5 birds, \$10.00 to \$16.00. 5 choice utility female and male, \$10.00. Sold on approval. Circulars. John Northon, Clare, Mich. 3-4

**"RIVERDALE" PARTRIDGE ROCKS** stock for sale. Eggs from six choice pens. R. F. Schuler, Roann, Ind. 3-5

**HIGH SCORING WHITE PLYMOUTH ROCKS.** No better anywhere. Unequaled layers. Eggs, \$2.00 per 15, \$5.00 per 45, expressage prepaid. Thomas Owen, Poultry Editor, Topeka, Kan. 3

**BARRED PLYMOUTH ROCK** eggs for hatching \$2 per 15, cockerel or pullet mating. G. L. Hart, R. 1, Princeton, Ill. 3-5

**BRADLEY'S BARRED ROCK EGGS.** Pens contain prize winners. Setting, \$3.00, \$5.00. Cockerels, \$3 up. Mating list free. E. G. But-ton, Greenvale, Ill. 3-5

**BARRED PLYMOUTH ROCKS.** Bradley Bros.' and Latham's best pure, winning 14 firsts at Bethlehem, Easton and Stroudsburg, Pa., last season, 12 firsts at Allentown, Bethlehem, Easton, Pa., also Trenton, N. J. Stock and eggs for sale. Circular. Castner & Dundas, Phillipsburg, N. J. 3-5

**WHITE PLYMOUTH ROCK** Hatching Eggs. "White Queen's" year record is 257 eggs. Ninety in 92 successive days. Our breeders average 180 eggs. Send stamp for handsome circular. R. C. Caldwell, Box 1063, Lyndon, Ross Co., Ohio. 3-5

**RINGLET ROCKS.** E. B. Thompson strain. Eggs, 15, \$3; 50, \$5; 100, \$8. B. H. Gross, Whiting, Iowa. 3-5

**BARRED ROCKS** with "Ringlet Ginger." Fifteen eggs \$1.00. Pullets, \$1.25. John Rafferty, Ironton, Ohio. 3

**FISHEL WHITE ROCKS.** Hatching eggs from selected two-year-old stock, \$1.00 for 15; \$6.00 per hundred. R. B. Evans, Oxford, Ind. 3-5

**WHITE ROCKS—**Pure Owen strain. Sweepstakes pen headed by "Woodrow Wilson," champion cock, first four pullets Charleston, West Virginia. Also winners Ashland, Kentucky. Eggs, three dollars for fifteen. J. A. Willis, Coalburgh, W. Va. Member White Rock Club. 3-5

**PARTRIDGE ROCK EGGS.** From large, vigorous stock, \$2.00 for 15, \$3.00 30. Hez Kinter, Dillsburg, Pa. 3-5

**PARTRIDGE ROCKS.** Eggs and scored birds for sale. Eggs, Golden Barred Rocks. C. Sharer, Decatur, Ill. 3

**BUFF ROCKS—**Farm reared, grand matings, stock reasonable. Geo. Bartlett & Son, Seymour, Ind. 3-5

**BUFF ROCK EGGS.** Write for free mating list. Vere L. Ringle, Box 124C, Atlantic, Iowa. 3-5

**RINGLET BARRED ROCKS.** Eggs from special exhibition matings, \$3 and \$5 per 15. Utility, 15, \$1.50; 45, \$3; 100, \$6. Write for mating list and show winnings. Mrs. J. M. Kemp, Kenney, Ill. 3-5

**HEDGES' PEDIGREED WHITE ROCKS.** Winners. Layers. Egg records to 255. Eggs, \$2.00, \$3.00, \$5.00, \$10.00 per 15. Mating list free. Miss Alice M. Hedges, Pana, Ill. 3-5

**GET YOUR BARRED ROCK** eggs from the Standard Poultry Farm, Boone, Iowa, and you will get quality. Eggs, fifteen, \$1.00; hundred, \$5.00. 3-5

**HIGH CLASS WHITE PLYMOUTH ROCKS.** Fishel strain; 15 eggs \$1.00, 100 eggs \$5.00. George Lehmkuhl, Box 182, New Bremen, Ohio. 3-5

**PARTRIDGE ROCK EGGS.** Stock sired by Madison Square winners. Catalogue. Mart Rahn, R. 20, Clarinda, Iowa. 3-5

**WHITE ROCKS.** From Chicago winners. We can supply eggs at \$2 and \$5 per 15. Baby chicks, 25c each and up. Also a few choice cockerels at \$3 and \$5 each. Shady Wood Farm, A. F. Beckman, Mgr., Crown Point, Ind. 3

**TAYLOR'S PRIZE WINNING** Partridge Plymouth Rocks. List and eggs now ready. Perkins strain. Joy B. Taylor, Cambridge, Ill. 3-4

**FOR SALE—**Barred Rock Ringlet eggs, cockerel mating \$1.50 per 15; pullet mating, \$1.50 per 15; utility, \$1.00 per 15; \$5.00 per 100. Mrs. Mabel Morse, Monroe City, Mo. 3-5

**CHOICE BARRED ROCK** cockerels and pullets. Double mating. Thompson and Bradley strains. None better, few as good. Prices anybody can afford to pay. Pens made up of prize winners. W. H. Goddard, Muncie, Ind. 2-3

**GOLDEN BUFF, SILVER PENCILED** and Columbian Plymouth Rocks. Champions of America. First prize winners wherever shown, including the great Chicago, Buffalo, Boston, St. Louis, and Joliet shows. I have purchased the entire stock of P. C. Jungels. Write for catalogue and mating list. Miss Cecelia Jungels, Box A, Lemont, Ill. 2-4

**PARTRIDGE PLYMOUTH ROCKS.** None better anywhere. Eggs, 15, \$3.00; 30, \$5.00. P. W. Carpenter, Ypsilanti, Mich. 2-4

**PARK'S STRAIN BARRED ROCKS.** Eggs guaranteed 85%, 15, \$1; 100, \$6. Satisfaction guaranteed. Mackey Farms, Gilboa, N. Y. 2-4

**BARRED ROCK EGGS,** \$1.50 per 15; \$2.50 per 30. First cockerel Bushnell, score 92½. Edwin Laux, Bushnell, Ill. 2-4

**BARRED PLYMOUTH ROCKS.** The kind that win. Large boned, vigorous, stylish, farm-raised birds. With narrow blue bars to the skin, and bred for heavy egg production. Am giving some rare bargains. Write your wants. Mrs. A. Berry, Box No. 150, Clarinda, Iowa. 2-3

**WORLD'S BEST STRAIN BUFF ROCKS!** Five splendid matings. Eggs, \$3 per 15. Fertility guaranteed. Mating list free. Frank Kramer, Fort Atkinson, Wis. 2-5

**"FISHEL" WHITE ROCKS.** Eggs, \$1.00 per setting, \$5.00 per 100. Mrs. Gilbert Luyster, R. 4, Franklin, Ind. 2-4

**GOLDEN BARRED ROCKS—**The New Beauty and Utility Breed. Plumage, buff barring on white. Circular free. L. E. Altwein, St. Joseph, Mo. 1-3

**COLUMBIAN PLYMOUTH ROCKS** direct from world's best: Eggs from \$1.50 to \$3.00. Harper Mayberry, Dillsburg, Pa. 2-4

**BARRED PLYMOUTH ROCK** cockerels of size and quality for sale. Joe Mitchell, Waucoma, Iowa. 1-3

**RINGLET BARRED ROCKS** exclusively. Winners at the big Milwaukee poultry show, first, second and pen prize. Choice breeding cockerels and exhibition birds for sale. Eggs, \$3.00 per 15, from best pen. All stock guaranteed as represented; if not, return at my expense. Ed Martin, Route 25, Oconomowoc, Wis. 2-4

**WHITE ROCK** free booklet of Point o' Pines Poultry Farm, Reserve, Wisconsin, contains more than a page advertisement could explain, convincing facts and valuable breeding suggestions about the finest "Northern Bred" high quality stock and eggs, at low prices and free egg delivery. Get it now. 2-4

**BARRED ROCKS,** prize winning Cockerel strain. Day-old chicks, breeding stock, hatching eggs for sale. Karl B. Seeds, Circleville, Ohio. 2-4

**WHITE ROCK WINNERS** for sale. Eggs. Send for Folder J. Hoch & Frederick, Chambersburg, Pa. 2-4

**WHITE PLYMOUTH ROCKS.** Eggs for hatching, from prize matings. Young stock to spare. Write for circular. Martin Hanson, Goshen, Ind. 2-4

**WHITE ROCK EGGS** and Baby Chicks. Direct Fishel blood. 15 eggs, \$3.00; \$5.00 for 50. Will replace every infertile egg. Baby chicks, \$5.00 for 25; \$9.00 for 50. We guarantee safe delivery or replace. Breeding pens, 5 birds, \$15.00. Sold on approval. Everything we sell guaranteed first quality or money back. Orders for \$10.00 up express prepaid. Fairview Training School, Frenchtown, N. J. 2-3

**VOYLES' IDEAL BARRED ROCKS** win wherever shown, including Kentucky State Fair and first pen Louisville Poultry Show, January, 1912. Eight yards. Cockerel or pullet matings. Prices right. Farm run, \$4.00 per 100 eggs. A few choice cockerels left. William R. Voyles, Ramsey, Ind. 2-4

**BARRED PLYMOUTH ROCKS.** Pure bred. E. B. Thompson's Ringlet strain, 26 eggs \$1.00, \$3.50 per 100. Also a few choice Ringlet cockerels at reasonable prices. Ben Custer, Route 9, Madison, Ind. 2-4

**THOMPSON RINGLET BARRED** Rock cockerels \$2, pullets \$1; 15 eggs for \$2.00. Leonard Felker, Gardner, Ill. 2-5

**PARTRIDGE ROCKS—**Bird Bros.' strain. Cockerels, \$2.00 up. Gregor Fischer, Elkhorn, Wis. 2-3

**DUDLEY'S WHITE ROCKS** always win. Catalogue free. 1715F Seventh Street, Des Moines, Iowa. 2-4

**WHITE AND BARRED** Rock eggs for hatching. Any number. Burket's Poultry Farm, Route 1, Frenchtown, N. J. 2-4

**"FISHEL" WHITE ROCKS.** Bred from prize winners. Trapped stock. Great layers. Eggs \$1.50 per 15. Roselawn Poultry Yards, South Bend, Ind. 2-4

**BUFF ROCKS—POLEY'S STRAIN.** Eggs from extra choice yearling breeders, line-bred from first prize winners at Madison Square Garden, \$2.00 per 15, \$6.00 per 50, postage paid. Twelve out of 15 guaranteed fertile, or clear eggs replaced free. Circular free. Parry & Perrier, Bonnets Mill, Mo. 2-4

**SOUTHLAND'S CHAMPION** White Plymouth Rocks. Winners of all specials and more firsts and seconds than all competitors combined at Atlanta, Ga., Little Rock, Ark., Memphis, Tenn., etc. Guarantee to please you. Martin F. Schultes, Box 542, Bartlett, Tenn. 2-4



## PLYMOUTH ROCKS.

**COLUMBIAN ROCKS.** Eggs from pens containing my Chicago winners, \$3 per 15, \$5 per 30. W. R. Craun, Butler, Ind. 2-4

**THOROUGHbred BARRED ROCKS.** Standard shape and color. Prize winners, and guaranteed heavy laying strain. Bred from America's best. Choice exhibition or utility stock very reasonable. Settings, \$2.50, parcel post prepaid, anywhere, safely. Kenilworth Yards, Holyoke, Mass. 2-4

**CHAMPION COLUMBIAN ROCKS.** Bred to win and lay. Eggs prepaid. Prices reasonable. George Clotzbah, Goltry, Okla. 2-4

**WHITE PLYMOUTH ROCKS**—A few choice pairs and trios. E. J. Kirby, Covert, Mich. 1-3

**GOLDEN BARRED ROCKS**—The New Beauty and Utility Breed. Plumage, buff barring on white. Circular free. L. E. Altwin, St. Joseph, Mo. 1-3

**PARTRIDGE ROCKS** of the best strains. Eggs from my prize winners, \$3 per 15, \$5 per 30. You cannot buy better for twice the money. C. A. Short, Alpena, Mich. 2-4

**BARRED AND WHITE ROCKS**—Standard size and shape. Eggs for hatching \$2.00 per 15, \$10.00 per 100. Satisfaction guaranteed. Susquehanna Poultry Yards, S. S. Shultz, Washington Boro, Pa. 1-3

**BUFF PLYMOUTH ROCKS**—Winners and layers. Great shape, size and color. Cocks, cockerels, hens, pullets, eggs and chicks for sale. Chas. C. Reinhoel, North Lawrence, Ohio. 1-3

**PARK'S 200-EGG BARRED ROCKS**—Pens headed by sons of 217, 238, 242-egg hens. Hens with sworn records, 217, 225, 237, 238, 246, 247 eggs. Eggs for hatching. Circular free. Frederick Matteson, 3808 Woodley Lane, Washington, D. C. 1-3

**SNAPPY BARRED ROCK** cockerels \$3.00 to \$10.00 each, from New England fair winners. Hatching eggs, \$2.00 setting, \$10.00 hundred. Metcalf Farm, 925 Grove St., Worcester, Mass. 1-3

**RICKEY'S FANCY WHITE ROCKS**—Always win in largest shows. At Quincy, Ill., recent show: 15 entries—13 ribbons. Fancy show stock for sale. Write me your wants. J. C. Rickey, Pox 200, Clarence, Mo. 1-3

**SHOCKEY'S BARRED ROCKS**—Large, vigorous, and farm raised, excellent style and plumage. Breeding and exhibition birds at reasonable prices. Satisfaction guaranteed. Money refunded. Write your wants to Herman Shockey, Sand Patch, Pa. 1-3

**CHOICE ARISTOCRAT AND PARKS BARRED** and Nottzger Partridge Rock cocks and cockerels at right prices. Chas. Morgan, Loda, Ill. 1-3

**KRUPP'S FAMOUS RINGLETS BARRED** Plymouth Rocks will please you. Show stock and good breeding birds for sale. Both matings. Eggs, \$5.00 per 15; \$8.00 per 30. S. R. Krupp, Wadsworth, O. 1-3

**PARTRIDGE ROCKS**—Bird Bros. & Hageman's strains. Trios, \$9 to \$15; pens, \$15 to \$18; eggs, \$3 for 15. Satisfaction guaranteed. H. P. Smith, Piqua, O. 11-4

**WHITE PLYMOUTH ROCKS (Fisbel)**—Old bird won sweepstakes at Auburn Poultry, 1912; he was mated with hens scoring up to 95. They got won first and second cockerels this fall. Will sell you guaranteed winners. Write for prices. W. C. Crothers, Kendallville, Ind. 1-3

**"RINGLET" BARRED ROCKS** win at the great St. Louis show, 1912. 1st cockerel, 2d pullet, 2d pullet mated pen. 50 choice males and females for sale. Eggs \$3.00 to \$5.00 per 15. Your inquiry cordially invited. E. B. Thompson strain direct. E. A. Webb, Ewing, Ill. 1-3

**"RINGLET" BARRED ROCK**, direct from Thompson. Extra choice cockerels and pullets. Won second and third cockerels Mo. State Poultry Show, 1912. Write us. Chas. Lamb, Cape Girardeau, Mo. 1-3

**WHITE ROCKS**—Seventeen years' experience. —quality plus utility. Photo for stamp. Circular. Walter Austin Wagner, Middletown, N. Y. 1-3

**PARTRIDGE PLYMOUTH ROCKS** of quality. Greatest money making fowl today, 15 eggs, \$3.00; 30, \$5.00. You can pay more money, but cannot get more quality. Will L. Clark, Sullivan, Ohio. 2-11

**PARTRIDGE ROCKS**—Choice and utility cockerels and a few pullets from prize winning stock. Nottzger's strain. Eggs after Feb. 15, 1913 from pens of show birds. Chas. A. Kellogg, Cambridge, Ill. 1-3

**BARRED PLYMOUTH ROCKS** of highest quality. Winners at Buffalo, Washington and at number places in Virginia. Stock and eggs for sale. Mating slip free. Charles C. Wine, Mount Sidney, Virginia. 2-4

**HATCHING EGGS.** Beautiful White Rocks (Fisbel), heavy bone, fancy and utility. Mating list now ready. T. F. Richardson, Evanston, Ill. 2-3

**COLUMBIAN PLYMOUTH ROCKS.** Eggs from seven pens of lustrous birds backed by an enviable show record. Illustrated circular. G. W. Garlock, Fort Atkinson, Wis. 2-4

**RINGLET BARRED ROCK** eggs from large, fully developed and nicely barred stock. Setting, \$2.00, 50 \$4.00. Walter Irven, Brookville, Ill. 2-4

**HIGH CLASS WHITE ROCKS.** Fisbel strain direct. Wonderful layers, 15 eggs \$1.00, 50 \$3.00, 100 \$5.00, 200 \$10. Strictly fresh laid. Henry Heitkamp, New Bremen, Ohio. 2-4

**KEYSTONE FISHEL WHITE ROCKS.** The layers with a record. Hatching eggs at reasonable prices. Charles A. Clark, Shippensburg, Pa. 2-4

**EGGS FOR HATCHING.** "Barred Rock Thompson Ringlets" direct cockerel or pullet matings, \$2.00 for 15 eggs. Fertility guaranteed. Thomas Dugan, Indiana, Pa. 2-4

**HAWKIN'S BARRED ROCKS.** New York, Boston winners; Pittsfield famous utility Barred Rocks; Fisbel's White Rocks; Poley's Buff Rocks; bred for early maturity, egg-production, exhibition qualities; all stock trapnested. Eggs, \$2.50, \$1.50 per 15. Circular free. Rock Poultry Farm, Denton, Mich. 2-4

**PARTRIDGE ROCKS (NOTZGER STRAIN)** cockerels for sale. Eggs in season. Prices reasonable. J. S. Yoder, R. R. 9, Goshen, Ind. 2-4

**RINGLET BARRED ROCKS.** Prize winners. Eggs for hatching. Fertility guaranteed. Send for mating list. Quaintance Poultry Plant, Route 1, Upper Sandusky, Ohio. 2-4

**"GOLD LEAF" BUFF ROCKS.** Young stock for sale. Fifteen eggs \$2. John Field, South Trenchard St., Yonkers, N. Y. 2-4

**BARRED PLYMOUTH ROCK** eggs and day old chicks. My stock is from the world's finest matings. J. E. Green, Picknell, Ind. 2-4

**COLUMBIAN ROCKS.** beauties. Eggs, \$2.00 setting delivered. Park Farm, Pulaski, New York. 2-4

**HATHAWAY'S BARRED ROCKS.** Cocks, pullets for sale. George C. Hathaway, Sheldon, Ill. 2-4

**WHITE ROCKS (Fisbel strain).** Choice stock, \$2 up. Now booking orders. Eggs and chicks. Free booklet. White View Poultry Yards, Mishawaka, Ind. 2-4

**COLUMBIAN ROCKS.** Large size, good color, first prize and silver cup winners Philadelphia and Camden. Eggs, \$2.00 per 15; \$5.00 per 45. Satisfaction guaranteed. Deptford Poultry Farm, Sewell, N. J. 2-4

**RINGLET BARRED ROCKS.** Farm raised pens headed with birds hatched from eggs direct from E. B. Thompson's. Eggs, \$5 per 100. P. J. Stevens, Depauw, Ind. 2-4

**PARTRIDGE PLYMOUTH ROCKS**—Cockerels, \$2.00; trios, \$5.00. Fine large birds. Satisfaction guaranteed. Fred Kypke, Lake Mills, Wis. 1-3

## LEGHORNS.

**BULLY GOOD WHITE LEGHORNS (S. C.).** One customer averaged 179 eggs each from 100 pullets in ten months. Eggs, March, \$6 per 100; then \$5. Circular free. George Phillips, Crawford Projection, Wakefield, N. Y. 3

**THE LARGEST S. C. White Leghorn plant** in Indiana. Every bird we own is from the same strain as our New York and Chicago prize winners. 100 cockerels, 200 pullets for sale, at astonishingly low prices. Singly, in trios, or in pens. We purchased our original stock from D. W. Young and The Dune Alpin Farm. Our birds are bred direct from these greatest of Leghorn breeds. And we get the prizes. Birds sent to responsible parties on approval. This is the greatest poultry bargain of the year. Don't pass it up. Eggs for hatching—we have twelve pens mated for the hatching season. Every bird is "frost-white." has splendid type, vigor, stamina and the egg laying habit bred in the bone. Orders booked now. Fifteen eggs to a setting. Eleven chicks guaranteed. Send for our circular. It's free. It describes all our pens. The Willows Farm, Oscar Luedke, Mgr., Lock Box 488, So. Bend, Ind. (References: The American Trust Co., South Bend, Ind.) 3

**SINGLE COMB WHITE LEGHORNS** exclusively. They have the range; 15 eggs \$1.50, 100 eggs \$5.00. Satisfaction guaranteed. Blue Springs Specialty Farm, Griggsville, Ill. 3-5

**SINGLE COMB BUFF LEGHORNS.** Standard bred, no better winter layers. Eggs, \$1.50 to \$3.00 per setting, \$5 to \$10 per 100. A. W. Welch, Versailles, Ind. 3-5

**"SHEPHERD AND HIS FLOCK."** Single Comb White Leghorns. Catalogue free. A. Shepherd, Olney, Ill. 3

**BUFF LEGHORNS, SINGLE COMB.** Cockerel scoring 91% mated to hens. Best hen scores 93%. Layers. Eggs, \$1 per 15. Dr. W. L. Lamb & Son, Appleton, Wis. 3-5

**SINGLE COMB WHITE LEGHORNS,** show winners, excellent layers. Eggs, 100, \$5. Fruit Hill Egg Farm, Carrollton, Ill. 3-5

**BLANCHARD-WYCKOFF, Single Comb White** Leghorn Eggs from choice stock, 75c setting, \$3.00 hundred. W. P. Tunstall, Jr., Quinton, Va. 2-4

**ROSE COMB BUFF LEGHORNS.** Best strain. Pens of highest scoring birds. Eggs, \$2.00 and \$1.50 per 15, \$6.50 per 100. Otto Wappler, Monona, Iowa. 3-5

**WHITE LEGHORNS**—Business birds, good size, healthy and vigorous; bred for high class commercial purposes. Breeders are yearling hens. Eggs, \$6.00 per 100; chicks, 15 cents, or \$12.50 per 100. Send for booklet. W. B. Candee, DeWitt, N. Y. 3-6

**BRIGHT & WYCKOFF'S** noted strain S. C. Brown Leghorns. Pullets, \$1.50 and \$2.00. Eggs, \$1.50 and \$2.00 per 15. Mail or express charges prepaid; 100, \$6.00. M. Franke, R. 1, Jeffersonville, Ind. 3-4

**BEST S. C. WHITE LEGHORNS.** Crystal White strain. Cleveland, Mansfield, Akron winners. Fifteen eggs, \$2; 100, \$10. Fertility guaranteed. Cockerels, \$2; chicks, 25c. Circulars free. Sunnyside Farms, Brooklyn, Cleveland, Ohio. 3-5

**BLOUCH'S OLD RELIABLE Strain Single** Comb Buff Leghorns. Winners at America's best shows. Stock, eggs and chicks. Catalogue free. Buff Leghorn Poultry Yards, Annville, Pa. 3-5

**HIGHLINE POULTRY FARM** Single Comb White Leghorns. Baby chicks, \$10.00 per 100. Eggs for hatching, \$1.00 per 15, or \$5.00 per 100. Safe delivery guaranteed. O. L. Peyton, Pisgah, Iowa. 3-5

**26 S. C. BROWN** Leghorn eggs, \$1.00. 25 chicks, \$3.00. Mrs. John Morse, Route 4, Avon, Ill. 3

**ROSE COMB BROWN LEGHORNS.** First prize winners Philadelphia, Bethlehem, etc. America's finest. Both matings, eggs \$2.00 per setting. Order early. A. S. Christman, Trumbauersville, Pa. 2-4

**1,200 S. C. W. LEGHORN** hens of quality, record layers. Stock, eggs and day-old chicks in season. Incubator eggs our specialty, \$1.25 per setting of 15, \$5.00 per 100. Mrs. L. R. Colton, Route 4, Aurora, Ill. 3-4

**SINGLE COMB WHITE LEGHORNS.** We have imported direct from England birds from Tom Barron. The greatest laying strain. Will sell limited number of eggs for setting. Write for prices. Koontz Poultry Farm, New Martinsville, W. Va. 3-4

**WYCKOFF-FERRIS DIRECT.** Single Comb White Leghorns. Hatching eggs from these large, vigorous, heavy laying breeders, \$6.00 per 100; for less, 7 cents each. Milwaukee Poultry Yards, 500 Beulah Ave., Milwaukee, Wis. 3-5

**SINGLE COMB WHITE and Rose Comb Brown** Leghorns. Eggs, \$1.00 per 15, \$3.00 per 50; \$5 per 100. Bred for egg production. C. Haag, Chadwick, Ill. 3-6

**BEACHCROFT POULTRY FARM**—Single Comb Brown and Buff Leghorns. Chicks, 15 cents each; eggs, \$5.00 per 100. V. R. Beach, Fairfield, Conn. 3-5

**SINGLE COMB WHITE LEGHORNS.** Am one of the oldest and best breeders in Northwest. Stock, eggs, day-old chicks for sale. Henry Hinnermister, Room A, 553 Wabasha Street, St. Paul, Minn. 3-5

**HIGH CLASS SINGLE Comb White Leghorns.** Heavy winter layers. Fifteen eggs, \$1; 50, \$3; 100, \$5. Audrey Pearcy, Route 5, Martinsville, Ind. 3-5

**S. C. BUFF LEGHORN** eggs from prize winners in Boston, Providence and Worcester shows, \$2 and \$1.50 per 15. George S. Whittemore, Leicester, Mass. 3-5

**S. C. W. LEGHORNS** bred from Chicago and other leading show winners. Eggs that will produce great layers and winners. Setting, \$1.50; 100, \$5.00; 1,000, \$45. Good hatch guaranteed or order replaced at half price. J. P. Hurraw, Wilmet, Ohio. 3-5

**S. C. BUFF LEGHORNS** from Chicago prize winners. Eggs, \$3, \$2, \$1. Chicks, F. P. Rosenberger, Tiffin, Ohio. 3-6

**S. C. W. LEGHORNS.** Eggs and stock. Famous Wyckoff strain. Range raised. Bred to lay. Let live prices. Write for catalog. Glencoe Poultry Farm, Glencoe, Mo. 3

**SINGLE COMB WHITE LEGHORNS.** Choice stock reasonable. Eggs \$1.50 per 15, \$6.00 per 100. August W. Schroeder, St. Peter, Ill. 3

**ROSE COMB BROWN LEGHORN** eggs and day-old chicks. Eggs \$5 per hundred; chicks \$10 per hundred. J. O. Flock, Ramsey, Ind. 3-4

**ROSE COMB WHITE LEGHORNS.** Elephant strain. Always winners. Range eggs, 10c; pen, 25c each. Circular. Rogers Ranch, Pleasanton, Iowa. 3-5

**CHICAGO WINNERS**—Rose Comb White Leghorns. Illustrated Catalogue. Edward L. Beach, Lincoln, Illinois. 3-5



**WRITE ME FOR PRICES** on hatching eggs. S. C. White Leghorns, Blanchard and Young strains. The best of stock. Fertility guaranteed. D. S. Clark, Pulaski, Mich. 2-3

**"AMERICAN QUALITY"** Single Comb Buff Leghorns. "Bred for eggs, but they win!" Egg records, 150 to 224 yearly, from Chicago, New York, Boston winners. L. M. Munger, DeKalb, Ill. 3-4

**EGGS FOR HATCHING** from the above strain. Write for prices. H. A. Albert, Johnstown, Pa. 3-4

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**HATCHING EGGS FROM 92 to 94 Point** Single Comb Buff Leghorns. Tecktonius Strain, \$3.00 per setting. Wm. Lynn, Preston, Iowa. 3

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**SINGLE COMB BUFF LEGHORNS,** supreme every way. Guaranteed eggs, \$2.00. C. TeBrow, R. 2, Bedford, Ohio. 3

**S. C. BROWN LEGHORNS.** Bred to lay for years. Remember, better layers are better payers. Eggs \$1.25 per 15; \$2.00 per 30; \$5.00 per 100. Crow Creek Poultry Farm, Washburn, Ill. 1-4

**ROSE COMB BROWN LEGHORNS.** Eggs, circular. G. J. Donahue, Box 57, Delavan, Wisconsin. 3-5

**ROSE COMB WHITE LEGHORNS.** 15 eggs \$1.00; 50, \$3.00; 100, \$5.00. Cockerels, pullets, \$1.50 each. Henry Schowe, New Bremen, O. 3-5

**WYCKOFF'S AND YOUNG'S STRAINS—**heavy laying, pure bred Single Comb White Leghorns. Eggs, \$1.00 per 15; \$5.00 per 100. Immediate shipment. Satisfaction guaranteed. Beaver Dam Poultry Farm, Beaver Dam, Wisconsin. 3-5

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**SINGLE COMB BROWN LEGHORNS;** large prolific kind; every bird a typical Leghorn. Eggs 95¢ per 15; \$2.50 per 50; \$4.50 per 100. Charles Masters, Ashland, Ohio. 3-5

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**RUSSELL'S 200 EGG STRAIN** Modern Exhibition Single Comb Brown Leghorns. Highest awards. Birds of quality. Eggs or baby chicks. Prices reasonable. Catalog free. F. H. Russell, Box 26, Wakeman, Ohio. 3-5

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**LEGHORNS—CORNING'S AND FIRST** quality Cyphers' Strains direct, S. C. White Leghorns. Day-old chicks, \$15.00 per hundred. Eggs, \$5.00. Cockerels, \$1.50 to \$15.00. Send for circular. St. Johnsville Poultry Farm, St. Johnsville, N. Y. 3-5

**SINGLE COMB WHITE LEGHORNS.** Farm raised, utility, baby chicks. Twelve dollars per hundred. Eggs, 5 dollars per hundred. Satisfaction guaranteed. Bernard Suttles, Blanchester, Ohio. 3-4

**ROSE COMB BROWN LEGHORNS.** Kulp's Strain. Eggs, \$1.50 per 15. George Walter, Seven Valleys, Pa. 3-5

**BUFF LEGHORNS (S. C.),** Tecktonius Strain. Eggs, \$3.00 per 15. Henry Shiffer, Allenport, Pa. 3-5

**ROSE COMB WHITE LEGHORNS,** Chicago, S. E. Iowa State and Duluth winners. Whole flock for sale at great bargains. Write for prices. Wendell H. MacRae, Laurium, Mich. 3

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**ROSE COMB WHITE LEGHORNS.—Sweep-**stake winners two shows. Yards mated by A. P. A. Judge. Twelve grand matings. Write for free mating list. Tulturoso Poultry Farm, Route 1, Box 58, Sikeston, Mo. 3

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**EGGS FOR HATCHING,** from 93 to 94 Points. Single Comb, Buff Leghorns, Tecktonius Strain. Wm. Lynn, Preston, Iowa. 3-5

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**S. C. WHITE LEGHORN** hatching eggs, good stock, \$1.00 per 15, \$5.00 per 100. Wyckoff, the great laying strain, fine stock, \$1.50 per 15, \$4.00 per 50, \$7.00 per 100. Book your orders early. V. J. Yoder, L. B. 214, Topeka, Ind. 3

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**SINGLE COMB WHITE LEGHORNS.** Eggs and baby chicks for sale. Stock as good as anybody has got. C. P. Stow, Burt, Iowa. 3-5

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**R. C. BUFF LEGHORNS.** Chicago and Racine winners. Eggs for hatching. Mating list sent. Dr. Peehn, Corliss, Wis. 3-5

**PEDIGREED S. C. BUFF LEGHORNS.** Stock and eggs bred from hens with records between 219-267. Mated to 250 record blood. Egg record and show points combined. Winners at Los Angeles, Indianapolis, Columbus, Racine and Kansas state show. Bargains in breeders now. Dr. Loren Heasley, Widdicombe Bldg., Grand Rapids, Mich. 3-5

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**SINGLE COMB WHITE LEGHORNS.** Young's and Ferris' strains bred on separate farms. Trap-nested. Eggs and chicks. Indian Runner ducklings. W. H. Hopple, Tiffin, Ohio. 3

**IF YOU ARE LOOKING** for profit and a square deal, get your hatching eggs from our bred-to-lay S. C. White Leghorns, the big kind that lay the large, white eggs. \$1.25 for 15 eggs, \$5.00 per 100. Brookside Poultry Farm, R. 1, Chambersburg, Pa. 2-4

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**TRAP-NESTED S. C. WHITE Leghorns—Lake-**wood layers, the big kind. Trap-nested years for size and heavy laying. Raised on free range, and housed in open front houses: no healthier or better layers grown. Eggs—100, \$5; 50, \$3; 15, \$1. Circular free. G. S. Cooke, Huron, Ohio. 2-5

**SINGLE COMB BROWN LEGHORNS.** I won Chicago, December, 1912, 1st cock, 2nd, 3rd cockerel, 3rd, 5th pullet, champion male. Illinois State, January, 1913, 1st, 3rd cock, 2nd, 5th cockerel, 1st, 2nd pullet. Write your wants. William S. Damhorst, Box A, Quincy, Ill. 2-4

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**SINGLE COMB WHITE LEGHORNS.** Exclusively farm raised, pure, healthy stock; splendid layers. Eggs, 100, \$5.00; 200, \$8.50; 300, \$12.00. D. Kirchhofer, Box 150, Dalton, O. 3-5

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**SINGLE COMB WHITE LEGHORN** cockerels. Size, shape, vigor. A. O. Howard, Tecumseh, Mich. 2-4

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**CAN SPARE A FEW EGGS** from an extra choice mating of my prize winning S. C. White Leghorns at fifteen cents each. H. C. Lloyd, Hobart, Okla. 2-7

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**\$3.50 PER HUNDRED** guaranteed fertile eggs. Welda's Vitality Strain Single Comb Brown Leghorns have a 7-year flock average egg record of 211 eggs per hen yearly. World's leading layers. Price smasher catalogue free. Cockerels, hens. K. K. Welda, Seville, Ohio. 2-4

**SINGLE COMB BUFF LEGHORNS—Indian-**apolis, 1912, 1st cock, 1st cockerel, 1st hen, 1st pullet, 1st pen. Indiana State Fair, 1912, 2nd cock, 3rd cockerel, 1st hen, 1st pullet. Eggs, \$1 for 15, \$3 for 50, \$5 for 100. James Pearey, Martinville, Ind. 2-4

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**S. C. WHITE LEGHORNS.** Cockerels for sale from first pen at Kenton Poultry Show, 1912. Baby chicks and eggs in season. Write for catalogue. Satisfaction guaranteed. M. R. Fulton, Kenton, Ohio. 2-4

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## LEGHORNS.

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**SINGLE COMB WHITE LEGHORN EGGS** from 196-egg strain, blue-white quilled, scoring 96½, large sized, winners Columbus, Toledo, Cleveland, Pittsburgh. George W. Wolfrum, Carey, Ohio. 2-4

**NELSON'S ROSE COMB** White Leghorns win firsts. Sire of 1st, 2nd cockerel and pullet last Chicago show heads my best pen. For winners write N. S. Nelson, 915 Main St., Kansas City, Mo. 2-4

**SINGLE COMB WHITE LEGHORNS**—Large, vigorous, 200-egg strain; 15 eggs \$1.00, 100 \$5.00. From matings of winning show birds, \$5.00 per 15. Satisfaction guaranteed. Le Roy Sutton, Morenci, Mich. 2-4

**ROSE COMB BROWN** and White Leghorns. Stock and eggs. None better. Satisfaction guaranteed. E. B. Cole, Sanquoit, N. Y. 2-4

**S. C. WHITE LEGHORNS**—Winners at leading shows for 29 years. Choice stock for sale. Eggs in season. Write your wants. J. H. Kollmeyer, Quincy Heights Poultry Farm, Quincy, Ill. 2-4

**YOUNG'S STRAIN WHITE LEGHORNS.** Ten grand pens of line-bred trapnested pedigreed stock. Special prices on incubator eggs. Mistletoe Poultry Farm, Greenville, Pa. 2-4

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**ROSE COMB WHITE LEGHORNS** exclusively. Fifteen eggs \$1.00. Ella Ament, New Albany, Pa. 2-4

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**ROSE COMB Buff** Leghorns. Thirteen eggs \$1.00. Leonard A. Waltman, New Albany, Pa. 2-4

**PRIZE WINNING S. C. White** Leghorns, Wyckoff strain. Famous winter layers. Eggs, \$5.00 per 100, \$1.50 per 15. Mrs. L. M. Davis, Marengo, Ind. 2-4

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**HIGH CLASS SINGLE COMB** White Leghorns (Young's direct). Splendid layers; 15 eggs, \$1.00; 50, \$3.00; 100, \$5.00; 200, \$10.00. Strictly fresh laid. Henry Heitkamp, New Bremen, Ohio. 2-4

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**ROSE COMB WHITE LEGHORNS**—Peoples National Bank backs our business. G. Ruck & Co., R. 5, Wapakoneta, Ohio. 1-3

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**ROSE COMB WHITE Leghorns.** Circular free. Glendale Poultry Yards, Bradford, N. Y. 1-3

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**FISHEL STRAIN WHITE WYANDOTTE** eggs, \$2.50, \$3.50, \$5.00 per 15. Detroit prize pens, daughters of 240-egg hen, to \$20. Fishel bird his 8½ pound cockerels, 9 and 10-pound cocks mating. Stock. Write for mating list. A. J. Smith, 523 Crawford, Detroit, Mich. 1-3

**SILVER WYANDOTTES** exclusively. Birds bred from prize-winning stock. Eggs from first and second pens, \$1.50 per 15. Farm range, \$1.00 per 15, or \$6.00 per 100. Spring Ridge Farm, Cassopolis, Mich., Cass Co., R. F. D. 5, Wm. S. Parish, Manager. 3-5

**THE WORLD'S BEST UTILITY BREED** Silver Laced Wyandottes. Eggs \$1.00 per 15 from record stock. E. W. Card, Oneonta, N. Y. 3-5

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**WHITE WYANDOTTES.** Five select pens. Regal strain. Eggs, \$2.00 per 15; \$5.00 per 100. A few hens, pullets and choice cockerels to spare. Send for mating list. Ten years' pure breeding. F. P. Martin & Sons, Logan, Ohio. 3-5

**SILVER WYANDOTTES**—Best blood lines in America. Eggs from my best pen, per setting Five Dollars. Elmer Skinner, Byron Center, Mich. 3-5

**WHITE WYANDOTTES**—Two loving cups, 16 firsts at 4 shows; eggs from four prize pens, 20c each; utility pens, \$1.00 15, \$5.00 100. Breeders score 92 to 96½. Ezra Phillips, Ewing, Ill. 3

**WHITE WYANDOTTES**—"THE KIND That Lay." An established line of heavy layers, making certified high records at Storrs, Conn., and Mt. Grove, Mo.—competition open to world. Eggs and chicks. Send for literature. W. B. Candee, De Witt, N. Y. 3-6

**PARTRIDGE WYANDOTTE EGGS** for hatching, \$2.00 per 15; \$3.75 per 30. Bred from World's Fair winners. Herman Timm, Chebanse, Ill. 3-5

**BLUE RIBBON SILVER WYANDOTTES**—Winners at Milwaukee and Waukesha shows. Eggs from pen including these birds, \$3 per fifteen; \$1.50 per fifteen from second pen. Cockerels and pullets for sale. E. Blenkinsop, West Allis, Wis. 3-5

**WHITE WYANDOTTE** eggs for hatching. Will Cragg, Jr., Coffeen, Ill. 3

**WHITE WYANDOTTE,** fancy and utility, 15 eggs \$2.00. L. D. Rockefeller, Bunker Hill, Ill. 3-5

**WHITE WYANDOTTES EGGS.** Write me your wants. Orlo Sheehan, Ludlow, Ill. 3-5

**WHITE WYANDOTTES**—"Fishel and Duston" Strains. Eggs, \$2.00 for 15. Stock for sale. M. F. Redford, Burkeville, Va. 3

**PARTRIDGE WYANDOTTES.** Winners. Send for mating list, which gives season's winnings. Eggs. A. G. Thompson, Franklin, N. H. 3-5

**WHITE WYANDOTTE EGGS** for sale, from prize winners and winter layers. Prices right. Circular free. Od. A. Burt, Albany, Wis. 3-5

**ROBERTS' PARTRIDGE WYANDOTTES**—I always win at the big shows. Stock for sale. I am booking orders now for eggs. My young stock is the best I ever raised. G. A. Roberts, Warren, Ind. 3-5

**PARTRIDGE WYANDOTTES**—Silver Cup winners. Stock scoring 91½ to 94. Eggs, three to five dollars per fifteen. Ivan Barnes, Laurence, Mich. 3-5

**WHITE WYANDOTTE EGGS,** \$5.00 100. March. Cheaper later. Russell Simpson, Palmer, Ill. 3-5

**SILVER LACED WYANDOTTES** Exclusively—eighteenth year. Clear black and white open lacing. Eggs from prize matings, \$1.50 per 15; \$2.50 per 30. Satisfaction guaranteed. A. D. Long, Blooming Glen, Pa. 3-5

**SILVER WYANDOTTES EXCLUSIVELY** for 30 years. Eggs from seven grand matings, including all my two years' prize winners at Easton, Allentown, Pa., Philadelphia, and Madison Square Garden shows. Send for mating list. M. H. Leidy, R. F. D. 2, Suderton, Pa. 3-5

**WHITE, SILVER, BUFF WYANDOTTES.** Choice stock reasonable. Eggs \$2.00 per 15, \$8.00 per 100, August W. Schroeder, St. Peter, Ill. 3

**WHITE WYANDOTTE EGGS,** \$2.00 for 15. Cockerels, \$5.00 each. Andrews Strain. C. W. Cole, Dighton, Mass. 3



## WYANDOTTES.

**WHITE WYANDOTTES A SPECIALTY** for 40 years. Won eight ribbons on eight entries at Marion show, Nov., 1912. True bred stock of high quality. Write C. S. Burnside, Meeker, Ohio. 3-5

**COLUMBIAN WYANDOTTES**—Prize winners, great layers; reasonable prices. Send for mating list. Hobart's Columbians, Box A, Pemberville, Ohio. 3-5

**SILVER WYANDOTTES.** Choice cockerels and pullets. Resemble breed from my Chicago and Kansas City winners. Eggs from these winners, \$2.00 per 15, \$8.00 per 100. Mrs. Louise Schroeder, St. Peter, Ill. 3-4

**WHITE WYANDOTTES EXCLUSIVELY.** Foundation of my stock direct from Fishel, Owen Farms and Cyphers Incubator Co. Bred to standard, extraordinary heavy winter layers. Prices of eggs, prepaid, \$2.50 per 15, \$4.50 per 100, \$6.00 per 45. Hatch guaranteed. W. T. Noland, Specialist Breeder, Box 546, Dewey, Okla. 3-5

**WHITE WYANDOTTES, DUSTON** Strain direct. Fine layers and blue ribbon winners. Eggs, \$1.50 for 15. Special matings, \$3.00 for 15. Satisfaction guaranteed. Geo. Reiling, Burnt Prairie, Ill. 3-5

**COLUMBIAN WYANDOTTES EXCLUSIVELY.** Vigorous, blocky, bay eyes; great layers. Ft. Wayne winners. Eggs, \$1.15, \$3.50. Columbian Wyandotte Yards, Poneto, Ind. 3-5

**COLUMBIAN WYANDOTTES.** Eggs, \$2 per 15. Mrs. L. B. Higgins, Salem, Ind. 3-5

**PARTRIDGE WYANDOTTES.** Eggs from choice pen, \$1.50 per 15. Stock for sale. Fred M. Haas, Machias, N. Y. 3-5

**WHITE WYANDOTTES—RUDY'S PERFECTION** Strain. Direct from noted prize winners. One grand \$25 Rudy cock bird heading an exhibition pen; \$3 per 15. Two other superb pens headed by sons of Pen No. 1, \$1.50 per 15, \$7.00 per 100. W. J. Carey, Winnetka, Ill. 3-5

**GOLDEN WYANDOTTES** exclusively. Winners wherever exhibited. Cockerels and eggs for sale. F. C. Liles, Collins, Ohio. 3-5

**WHITE WYANDOTTES EXCLUSIVELY.** Scores for 92½ to 95. Chalk-white kind will please; \$4.00 per 100; \$1.50 per 15. Mrs. F. O. Elliot, Kent, Iowa. 3-5

**PARTRIDGE WYANDOTTES, FARM RAISED.** Premier Strain, prize winners. Eggs \$5.00, \$3.00 and \$1.50 per 15. Fifteen fine cockerels, \$10.00, \$5.00 and \$3.00 each. Donna Hanly, Mechanicsburg, Ohio. 3-5

**DOOLEY'S STRAIN BUFF WYANDOTTE** cockerels, from prize winning stock, \$1.00 to \$5.00. Eggs, \$1.00 per 15. Walter Beam, Waynetown, Ind. 3-4

**WHITE WYANDOTTES BRED** for nine years to win and lay. Fifteen eggs, \$1.50; 50, \$4.00; 100, \$7.00. Edward Yetka, R. F. D. 1, Parnassus, Pa. 3-5

**BUFF WYANDOTTES** (Mattison & Toel Strain). Large, rich buff. Blue ribbon winners. Two pens, \$3.00 and \$2.00 per 15. Albert Walters, Sycamore, Ill. 3-5

**PARTRIDGE WYANDOTTES—Cockerels,** \$2.00 and \$5.00. A few trios at \$8.00 and \$10.00. Guy H. Dixon, Racine, Wis. 3

**FOR SALE—400 WHITE Wyandottes.** Springfield winners. Eggs and chicks. Mating list free. Nathan Hill, Dixon, Ill. 3-5

**PARTRIDGE WYANDOTTES.** Eggs from special matings. Also scored stock. Write E. W. Hink, Gordonville, Mo. 3

**WHITE WYANDOTTES—Blue ribbon winners.** Cockerels and eggs. Emmett Hinds, Salem, Ind. 3-5

**WHITE WYANDOTTE EGGS** for hatching. Andrews Strain. \$2.00 setting. W. S. Whitmore, Dunstable, Mass. 3-5

**SILVER AND WHITE WYANDOTTES.** Big winners everywhere. Don't fail to send for my mating list and winnings. Quality the best and prices reasonable. Peter Graft 3rd, Box D, Worthington, Pa. 3-5

**WHITE WYANDOTTES.** World's best strain. Pens mated to produce results. Eggs, \$2.00 per 15 and up. Claude O'Dell, Wild Rose, Wis. 3-5

**COLUMBIAN WYANDOTTES.** Eggs, \$2.00 per 15. Stock all sold. Won two silver cups, also specials and other prizes this season. Arthur Merrell, Solon Mills, Illinois. 3-4

**PARTRIDGE WYANDOTTE EGGS** from the best to be found for eggs and showroom. B. C. Anderson, Muncie, Ind. 3-5

**WHITE WYANDOTTES.** Extra fine, Duston strain. Winners St. Louis, Muncie, Marion and Huntington. Winners in pens. Fifteen eggs, \$2.00; 50, \$5. Utility, 15 eggs, \$1; 50, \$3; 100, \$5. Cockerels, \$2 to \$8. Herbert Smith, Route 5, Bluffton, Ind. 3-4

**WHITE WYANDOTTE EGGS** for hatching, \$1.00 for 15; from pens that score 92½ to 97. Write for information. F. E. Grove, Nora Springs, Iowa. 3-5

**PHILLIPS' WHITE WYANDOTTES—Winners** again, "Armory Show," Cleveland, 1913. "Silver Prince," 1st cockerel 1912, heads Pen A. Two pens headed by imported males. Two pens by their sons. Mating list. Charles Phillips, Star, Rt. A, Salem, Ohio. 3

**COLUMBIAN WYANDOTTES.** High class birds carefully mated to produce best results. Best pens, \$3 per 15; other good pens, \$2, with reasonable guarantee. Geo. H. Damon, Reading, Mass. 3

**ROSE COMB GOLDEN Wyandotte** eggs for sale, \$1.50 per 15. Mrs. Geo. W. Matthews, Pekin, Ind. 3-5

**WHITE WYANDOTTES—"Pure White"** Keelers strain. High scoring cockerels, \$1.50. Eggs \$1.00 setting. Indian Runner ducks. Nick Fleck, Plymouth, Ind. 2-4

**GOLDEN LACED WYANDOTTES—High** scoring, good laying stock. Harvey Burdick, Oswego, Kan. 2-3

**SILVER PENCILED WYANDOTTES.** Laying strain. R. J. Vandervoort, Mazon, Ill. 2-4

**WHITE WYANDOTTE EGGS** from Sioux City, Des Moines, Clarinda winners. Catalog. Mart. Rahn, R. 20, Clarinda, Iowa. 3-5

**WHITE WYANDOTTES,** bred to lay; 75c per 15 eggs; 2 settings, \$1.25; 100 eggs, \$3.75. Janesville Poultry Yards, Janesville, Wis. 3-5

**WHITE WYANDOTTES—CHOICE STOCK** and eggs for sale. Write for prices or send 15c for our 224-page poultry book, which contains parcel post map showing how we deliver eggs for hatching right to your home. C. C. Shoemaker, Box 605, Freeport, Ill. 3-5

**BUFF WYANDOTTES—Eggs** from 1st prize pen \$3.00, 2nd prize cockerel matings \$2.00, at Cleveland Shows, 1913. Fine cockerels \$3.00 up. "H. & M." Poultry Farms, R. 6, Chagrin Falls, Ohio. 3-5

**PARTRIDGE WYANDOTTE EGGS,** \$2 for 15. Circular, giving show record, free. Address William Shreve, Uhrichsville, Ohio. 2-5

**WHITE WYANDOTTES—Winners** at Jersey's leading shows. Eggs, exhibition matings, \$2.00 per 15. High class utility, \$7.00 per 100. H. M. Ford, Oakland, N. J. 2-3

**COLUMBIAN WYANDOTTES.** Eggs, \$1.50 per 15. Satisfaction guaranteed. Rev. C. W. Seelhoff, Owosso, Mich. 2-4

**EGGS FOR HATCHING—White Wyandottes** exclusively. Birds from farm range. Prolific winter layers. \$1.50 per 15. O. J. Hamble, R. D. 2, Hinsdale, Ill. 2-4

**SILVER WYANDOTTES.** After going to quite an expense to make my birds first class I will offer eggs 15 for one dollar, or 100 for six dollars. Michael Cronley, Mt. Victory, Ohio. 2-4

**BUFF WYANDOTTES—LAYWINGOLDS—** Winners at Pittsburgh, Indianapolis, Cleveland, Toledo. Stock and eggs. Rev. Henry James, Kent, Ohio. 2-5

**COLUMBIAN WYANDOTTES—grand** winter layers. Eggs, \$2.00 per 15. R. C. Berkey, Salem, Ind. 2-4

**WHITE WYANDOTTES—TWELFTH YEAR** Duston direct. Standard shape, bay eyes, bred to lay and win. Won wherever shown, scoring to 96. Eggs, \$1.15, \$3.50, \$5.00, \$10.00. Special matings, \$2.15, \$3.30, \$4.50, \$5.00. Frank Hardwidge, Poneto, Ind. 2-4

**WHITE WYANDOTTES.** Cockerels, \$2.00; pullets, \$1.50. Eggs from first pen headed by Duston cockerel, \$2.00 per 15. Farm range, \$1.00 per 15. Satisfaction guaranteed. C. E. Van Buren, Victoria, Ill. 2-4

**HACKER'S WHITE WYANDOTTES.** They are white and bred to lay. Eggs per 15, \$2, \$3, \$5, from hens and pullets scoring 93 to 95½, mated to cocks and cockerels scoring 94, 94½, 95, 95½ in showrooms; judges, Shallabarger and Russell. W. P. Hacker, Milledgeville, Ill. 2-4

**WHITE WYANDOTTES EXCLUSIVELY.** Cockerels and eggs cheap. L. A. DeCondres & Co., Gray's Lake, Ill. 2-4

**BUFF WYANDOTTES "Par Excellence"**—Eggs, \$2.50 per 15. George Streckfuss, 800 N. Twelfth St., Springfield, Ill. 2-4

**COLUMBIAN WYANDOTTES—Arnold's** prize winning strain—Stock for sale. Eggs from healthy range stock, \$1.00 per fifteen, \$5.00 per hundred. Special prize mating, \$2.00 per fifteen. George M. Drumm, Mountville, Pa. 2-4

**WHITE WYANDOTTE EGGS,** 15, \$1.50; 100, \$6.00. Satisfaction guaranteed. 200 egg ancestry. Calvin Norman, Route 2-A, Dexter, Mo. 2-4

**WHITE WYANDOTTES—Peoples** National Bank backs our business. G. Ruck & Co., R. 5, Wapakoneta, Ohio. 1-3

**FLETCHER'S GOLDEN WYANDOTTES—The** Great Winter Layers. The South's best, and none better anywhere. Blue ribbon winners at the big shows, including New York, Philadelphia, Baltimore, Washington and Warrenton. Prize-winning and utility stock and eggs for sale at reasonable prices. Start right by buying the best. Write for free catalogue. Albert Fletcher, Jr., Drawer 1, Warrenton, Va. 1-3

**WHITE WYANDOTTES—Wood's** "Useful and Beautiful"—exemplify the highest achievement in the breeding of this variety. Pens mated. Result from eggs sure. Trapped. Farm reared. Established 1892. Booklet free. F. H. Wood, Sta. C, Cortland, N. Y. 2-4

**GOLDEN WYANDOTTE,** breeder 13 years. Two large pens, good laced, blocky birds. Eggs, \$2.00 30, \$3.00 60. Pure fawn and white runners. Eggs, \$1.50 15. Gerhard A. Hellman, West Point, Iowa. 2-4

**IF YOU NEED ANYTHING** choice in Partridge Wyandottes, write W. H. Milward, State Director, National P. W. Club, Madison, Wis. 1-3

**COLUMBIAN WYANDOTTE** specialist. High class stock and eggs. G. S. Sims, Pontiac, Ill. 1-3

**BENNETT'S WHITE WYANDOTTES—Winners** of two firsts, three seconds and a sweepstakes at two leading shows the past season. Stock and eggs. Circular. J. B. Bennett, Fairview, Belvidere, Ill. 1-3

**BLACK WYANDOTTES—BOSTON,** NEW York, Cleveland, Chicago winners. Howard Grant, Marshall, Mich. 1-5

**WHITE WYANDOTTES—Cockerels,** 3 Fishel Strain, 2 Keeler. H. H. Jayne, Waverly, N. Y. 1-3

**WHITE AND GOLDEN WYANDOTTES—Prize** winners, excellent layers. Circular free. S. J. Hunter, Route 10, Washington, Pa. 1-4

**COLUMBIAN WYANDOTTES WON 1st** at Chicago, Kansas City and St. Louis, 1912. Write your wants. Ernest Schaaf, 3126 Leola Ave., St. Louis, Mo. 1-5

**GET THE BEST, Silver Laced Wyandotte** eggs. \$5.00 per 15. Jacob De Koster, Jr., Zeeland, Mich. 1-5

**BUFFS ONLY—Fine** lot of young stock, bred for business and beauty. Early hatched, farm raised, sold at moderate prices. Eggs in season. Member American Buff Wyandotte Club. Willis Brown, Slippery Rock, Pa. 1-3

**REGAL BRED-TO-LAY White Wyandottes.** Eggs and chicks reasonable. Circular free. P. F. Heidlauf, Columbia, Pa. 2-4

**SILVER PENCILED WYANDOTTES,** Perfection strain. First prize winners. Eggs, \$2 for 15. Good cockerels, \$3. Myron Tyler, Dewittville, N. Y. 2-4

**PARTRIDGE WYANDOTTES.** Young and matured stock scoring from 91 to 93½ by competent judge. Mrs. Allie S. Knudson, R. 5, Brodhead, Wis. 2-5

**COLUMBIAN WYANDOTTE EGGS,** \$2.00 per fifteen, from high class stock, all bred from prize winners, correct shape and markings, large, vigorous birds, raised on free range, heavy winter layers. Fertility guaranteed. Also choice cockerels and cocks. Arthur Schaeck, 605 Rohms Ave., Detroit, Mich. 2-4

**WHITE WYANDOTTES—Sundowner Ranch.** High class birds at popular prices. Bred from winners. Satisfaction guaranteed. Eggs, \$1.50 for 15; \$5.00 per hundred. W. E. Patterson, Montrose, Ill. 2-4

**WHITE WYANDOTTES.** At such quality shows as Watertown, Oconomowoc and Plymouth we won 13 first prizes. Eggs from these winners only \$2.00 and \$3.00. Mating list. W. Ruck & Son, Kiel, Wis. 2-4

**SILVER WYANDOTTES EXCLUSIVELY—** Silver cup winners, choice stock from our Decatur and Illinois state show winners. Helfrich Brothers, Hammond, Ill. 2-3

**FINEST COLUMBIAN WYANDOTTE** cockerels and pullets for sale. Eggs, ten cents each; any number. Thomas Murdoch, Galesburg, Ill. 2-4

**SILVER LACED WYANDOTTES** exclusively. Prize winning strain. Cockerels, trios, pens. Eggs, 15, \$2; 30, \$3. Glenoak Poultry Yards, Kimbundy, Ill. 2-4

**BRED-TO-LAY Columbian Wyandottes.** Selected stock and eggs. Reasonable prices. Joseph Levin, Route 6, Princeton, Ill. 2-4

**BUFF COLUMBIAN WYANDOTTES.** A new variety of striking beauty. Sure to become popular. Original strain. Eggs for hatching. Write Dr. F. W. Seward, Jr., Goshen, N. Y. 2-4

## ORPINGTONS.

**SINGLE COMB WHITE ORPINGTONS—Kel-**lerstrass strain. Stock and eggs. Write for prices. H. C. Broughton, Brodhead, Wis. 2-5

**S. C. BUFF ORPINGTON** Eggs, Owen Strain, from trap nested hens. Thos. Fewtrell, Joliet, Ill. 3-5



## ORPINGTONS.

**BUFF ORPINGTON.** The coming duck. Best blood lines. Investigate. Catalogue. Mart. Rahn, R. 20, Clarinda, Iowa. 3-5

**EGGS AND STOCK FROM** quality Buff Orpingtons at reasonable prices. Yards contain Buffalo, Pittsburgh winners. Circular. W. H. Gaude, 30 Inter Park, Buffalo, N. Y. 3-5

**WHITE ORPINGTONS of quality.** Write for matings and prices on eggs. Mitchell Bros., Mauawa, Wis. 3-5

**ORPINGTONS—BLACK AND WHITE.** Choice show stock. Cook's imported and Kellerstrass strains. Large, low birds. Splendid layers. I. M. Hopple, Tiffin, Ohio. 3

**WHITE ORPINGTONS,** highest quality eggs and chicks; also Buff Orpingtons. Catalogue. B. B. Hatchery, Chatham, N. Y. 3

**KELLERSTRASS WHITE ORPINGTONS—**Yearling hens. Eggs, \$7.00 hundred. Mrs. A. Hanna, Big Rock, Ill. 3-5

**WHITE ORPINGTON** Eggs, from stock line bred five years. Birds that have won at Chicago, Racine, Springfield, and other big shows. Some pens headed by Stay White males. Eggs three dollars and upward. Mating list. Some stock for sale. W. C. Mangold, Anna, Ill. 3-5

**SINGLE COMB BUFFS** our specialty since 1906. Eggs from splendid matings at reasonable prices. Fayette Miller, Brattleboro, Vt. 3-5

**WHITE ORPINGTONS.** Stop! Think! Dollar settings waste money and time. Order eggs from \$1.00 cock, and sons, mated to grand females; known prize winners. Mather & Mather, Richmond, Ind. 1-3

**KELLERSTRASS STRAIN WHITE ORPINGTONS.** One setting \$2; thirty eggs, \$3; fifty, \$5; hundred, \$8; hens and pullets, \$3. Sunflower Poultry Yards, Grafton, Ill. 3-4

**ORPINGTONS — EXHIBITION. UTILITY—WHITE, BUFF.** Range raised. Eggs selected; exhibition, \$5.00 setting. Utility, write for prices. Infertiles replaced. Aristos Poultry Yards, Box 13, Danville, Ill. 3

**WHITE ORPINGTONS (Cook Strain).** Stock from the Madison Square winner, pen headed by a very fine male from imported stock. Almost perfect comb, very low, chubby, broad, extremely white, and of unusual intelligence. Eggs at farmers' prices. Mrs. John Inglish, Nevada, Iowa. 3

**SINGLE AND ROSE COMB Buff Orpingtons.** Eggs and baby chicks. Prices right. D. E. B. Yanny, Racine, Wis. 3-5

**WHITE ORPINGTONS. DIRECT FROM** Miss Carey. \$2.50 up per setting. Free mating list. L. S. Brooke, Box A, Howell, Mich. 3-5

**EGGS \$2 PER SETTING** — real value \$5. Large, blocky thoroughbreds, intelligently bred. S. C. White Orpingtons, Kellerstrass strain. Lake Erie Orpington Farm, R. F. D. No. 1, Sandusky, Ohio. 2-4

**FOR SALE—CRYSTAL WHITE** and Byers' strain Buff Orpingtons; hens and pullets, \$2.00 to \$5.00. Pens, cocks and cockerels at right prices. F. G. Szirkosky, R. 2, Hinsdale, Ill. 3

**S. C. BLACK ORPINGTON** Eggs. Choice matings \$1.00 and \$1.50 fifteen eggs. Andrew Stoops, Naperville, Ill. 3-5

**KELLERSTRASS STRAIN White Orpingtons—**Trios and cockerels. Baby chicks and eggs booked now. The Maples, Maywood, Ill. 3

**WHITE ORPINGTONS,** Kellerstrass, mated to 11 lb. cock and very white. Eggs, \$1.25 per 15; 100, \$7. Springfield Poultry Farm, Belleville, Ohio. 3-5

**SINGLE COMB WHITE ORPINGTONS.** Great winter layers. Two grand hens. Eggs \$3 and \$5 per 15. Stock for sale; day old chicks. Dr. MacKenzie, 3854 Byron St., Chicago, Ill. 3-5

**WHITE ORPINGTONS.** Kellerstrass, and Owens Farms stock. Eggs \$4, \$3, \$1.50 per 15; \$7.50 per 100. Cockerels, \$1.50, \$3, \$4. Sunny-side Yards, Sandwich, Ill. 3-5

**CRYSTAL WHITE ORPINGTONS—Best** Kellerstrass and Cook strains. Selected cockerels, \$3 each. Eggs, \$2 for 15, \$4 for 50. J. Elliott Irvine, Street, Md. 3-5

**S. C. BUFF ORPINGTONS.** Martz strain. Eggs, \$1 per 15, \$5 per 100. Leigh Flinn, Franklin, Ind. 3-5

**WHITE ORPINGTON EGGS—One, two and** three dollars per fifteen. Edgar Steiner, Powhatan Park, Ohio. 3-5

**LOOK! SCORES TO 95.** Prize winning S. C. W. Orpington pullets and eggs; satisfaction guaranteed. Karl Axline, Zanesville, O. 3-5

**S. C. WHITE ORPINGTONS.** Kellerstrass, Owen strains, crossed with imported bird from Miss Carey's farm, England. Winners of 1st, 3rd, 4th pullet and 5th cockerel, Ft. Wayne, Ind. Eggs, \$3.00 per fifteen. C. P. Klingler, Box B, Paulding, Ohio. 3-5

**CHOICE WHITE ORPINGTON** eggs from high scoring matings at reasonable prices. Write me your wants immediately. Frank Briscoe, De Pauw, Ind. 3-5

**EGGS. FROM 96½ point** exhibition heavy-weight Blacks, Whites, Buffs. Get prices now. Orpington Yards, Delavan, Wis. 3

**S. C. BUFF ORPINGTONS.** Big fellows. Eggs, 15, \$2.00; 50, \$3.50; 100, \$6.00. C. H. Hunt, Clarksville, Iowa. 3-5

**S. C. BLACK ORPINGTONS.** Eggs of my exhibition stock, also stock. Matthew Looker, Zeeland, Mich. 3

**CRYSTAL WHITE ORPINGTON** eggs, \$1.00 per 15; \$3.00, 50; \$5.00, 100; White Feather Farm, New Bremen, Ohio. 3-5

**BLACK, WHITE AND BUFF Orpingtons.** Cook and Greenwood strains. Cockerels shipped on approval, \$2.00 to \$5.00. Eggs, \$2.00 and \$3.00 per fifteen. Satisfaction guaranteed. Edward Rantz, Kankakee, Ill. 3-6

**TRUESDELL'S BUFF ORPINGTONS.** — At Ohio State Poultry Show, January, 1913, open to all comers, Judge J. H. Drevenstedt said: "Nowhere in all the United States except Madison Square have I seen better Buff Orpingtons than those here." My winnings, both silver cups, 1st P-n, 1st Cock, 1st Cockerel, 1st Hen, Nuf sed. Eggs and stock. 373 West Fifth Avenue, Columbus, Ohio. 3-5

**WHITE ORPINGTONS.** Winners at Erie, Meadville, Butler and Pittsburgh, Pa. Eggs from large, healthy, heavy layers, 10 cents each. Chicks, 20 cents each. Eggs from extra fine exhibition matings, four dollars per fifteen. Chicks, 50 cents each. Fair hatches and satisfaction guaranteed. No circular. Order direct from the ad. today and avoid disappointment. L. A. Glessman, Box A, Conneautville, Pa. 3-5

**BLUE, BLACK, BUFF ORPINGTON** Stock and eggs. Prices right. Correspondence solicited. Orpington Yards, Epworth, Iowa. 3

**OWEN BROS. Black Orpingtons.** Cockerels, pullets and fowls. Orders booked for eggs. Mrs. H. Wedderspoon, Perthmoor Farms, Cooperstown, N. Y. 3-5

**CRYSTAL WHITE ORPINGTONS—Eggs** \$3 per 15. Cockerels, \$3 up. A. F. Hayward, Box W, Danvers, Mass. 3-4

**S. C. BUFF Orpington,** bred from Wm. Cook's Madison Square Garden and imported winners. Fifty hens and pullets for sale. Eggs from 4 choice pens. D. W. Adams, Wyaconda, Mo. 3-4

**KELLERSTRASS CRYSTAL W. ORPINGTONS** —Eggs from prize winners \$5.00 doz. Eggs from utility stock, prize cock heads this pen, \$2.50 per doz. Cockerels, \$2.00 up. Achurch, Charleston, S. C. 2-3

**EGGS FOR HATCHING** from my \$200.00 pen "Cooks" \$5.00 thirteen. These birds all sired by Cook's first prize Madison Square cockerel. Eggs from pen headed by cock first prize or cockerel first prize. Cock cost \$50.00, mated to two hens, cost \$30.00, and first, second, third prize hens. Eggs \$3.00 setting. Eggs from choice birds for better than utility stock \$10.00 per hundred. Farm range. Infertiles replaced. Satisfaction guaranteed always. Mrs. Karl Spear, Conewango, N. Y. 2-4

**WHITE ORPINGTON COCKS,** cockerels, trios, pens, half price by score card. Ask for mating list. George Rheinfrank, West Chicago, Ill. 2-4

**KELLERSTRASS STRAIN White Orpington** cockerels, carefully bred, fine and large. Cheap. P. Beauchamp, St. Anna, Ill. 2-3

**KELLERSTRASS CRYSTAL WHITE ORPINGTONS** exclusively. Eggs from prize winners raised from pen purchased direct from Kellerstrass, \$3.00 per 15, \$5.00 per 30. Satisfaction guaranteed. M. E. Meyers, 604 Elvin Ave., Hamilton, Ohio. 2-4

**ROSE COMB, BLACK AND WHITE Orpingtons,** imported direct from England. Madison Square Garden prize winners. Eggs \$5.00 and \$10.00 per 15. S. D. Lance, Troy, Ohio. 2-4

**ORPINGTONS—WHITE, BUFF.** from First Madison Square winners. Stock, eggs, day-olds, cheap. Catalogue free. Geo. E. Lemley, Bourneville, Ohio. 1-3

**WHITE ORPINGTONS—Four grand** pens. Eggs \$1.50, \$2.50, \$5.00. Circular free. Wm. Dinkeloo, Holland, Mich. 2-5

**KELLERSTRASS WHITE ORPINGTONS** exclusively. Fine birds. Eggs \$2.00 and \$3.00 for 15. Good hatch guaranteed. F. R. Lawrence, Box 450, Arlington, Iowa. 2-4

**IF YOU WANT SHOW BIRDS** book your order now for eggs. I have S. C. White Orpington direct from Wm. Cook & Son, and the finest you wish to see. My pens are mated up with the best I could buy. My \$100.00 pen, \$2.50; \$200.00 pen, \$3.50; \$300.00 pen, \$5.00; \$500.00 pen, \$10.00 for 15 eggs. E. B. Bergen, Harlinger, N. J. 2-3

**BUFF ORPINGTON COCKERELS** — Special prices on Nebraska's best. Save money. Order now. Circulars. Geo. C. Pennington, A2717 Sumner, Lincoln, Neb. 1-3

**COOK WILL TELL YOU** that I bought three \$20.00 settings—eggs that were from pen headed by first prize Madison Square cockerel and I have some extra grand cockerels and pullets from these eggs to offer with fifty nice pullets sired by \$25.00 cockerel, cheap if all are taken. Mrs. Karl Spear, Conewango, N. Y. 1-3

**BUFF ORPINGTONS—Special bargains** in males. I breed prize winners and egg-laying kind. Won five prizes at Great Northern Ohio fair. Four pens mated for egg trade. Prices reasonable. I can please you. Write: Carl Rogers, R. 2, Painesville, Ohio. 1-3

**GOLDEN VIEW BUFF ORPINGTONS** won in seven shows, 1912; 50 fine cockerels for sale, \$2.00 to \$25.00. Eggs in season from 10 fine matings. Mating list Feb. 1. C. A. Ringer, Rochester, Ohio. 1-2

**WHITE ORPINGTON PULLETS** and cockerels for sale. Kellerstrass and Owen strains. Eggs for hatching. A. K. V. Kennedy, Liberty, Ind. 1-3

**WHITE ORPINGTONS—Let me** tell you about stock and eggs I have for sale. T. E. Lockridge, Liberty, Ind. 1-3

**WHITE ORPINGTON HOME—Rose Comb** White Orpingtons exclusively. Stock for sale, but going fast. Eggs from prize matings, also baby chicks. Circulars and photographs free. Earl L. Cook, Munsville, N. Y. 1-3

**S. C. WHITE ORPINGTONS,** Cook strain, eggs for hatching. W. K. Wallace, 4632 N. 46th Ct., Chicago, Ill. 1-4

**CRYSTAL WHITE ORPINGTONS** direct from Kellerstrass's \$30 settings. Eggs \$2.00 per 15. Ernest Ahrens, Byers, Colo. 1-5

**KELLERSTRASS ORPINGTON EGGS—Breed-**ers all standard weight, good type, red eyes, bred for winter layers. \$3.00 per 15, express paid. Satisfaction, or money returned. W. S. Yeaton, Hempstead, N. Y. 1-3

**WHITE ORPINGTONS** scoring up to 95. Stock and eggs for sale in season. F. A. Brill, Box 41, Hampshire, Ill. 1-3

**ROSE COMB, Buff and Black Orpingtons.** Madison Square, Kansas City winners. C. O. Penrod, Piqua, Ohio. 2-4

**S. C. WHITE ORPINGTON EGGS,** 15, \$1.50; 100, \$6.00. Kellerstrass strain. Nancy Garner, R. 2, Dexter, Mo. 2-4

**COCKERELS \$3 each** from \$35 pen of four Kellerstrass Orpingtons. Kevill Dairy, Princeton, Ky. 2-4

**SINGLE COMB BUFF ORPINGTONS,** three grand pens. Eggs, \$5.00 per 15 delivered. Utility eggs, \$2.00 per 15. A few fine cockerels for sale. Address George C. Sayres, Cincinnati, Iowa. 2-4

**CRYSTAL WHITE ORPINGTONS.** Kellerstrass Strain direct. Beautiful, grand winter layers. None better. Eggs, \$3.00 per setting; 2 for \$5.00. A few fine cockerels yet for sale. Also eggs of grand S. C. R. 1. Reds, mated to 10-lb. males. Mrs. Wm. Ross, Oxford, Ind. 3-5

**ROSE COMB WHITE ORPINGTONS** exclusively. "America's Best." Boston, Philadelphia, Hagerstown, Alentown, Williamsport winners. Eggs reasonable. Circulars. Wm. Seidel, Washingtonville, Pa. 2-4

**TRIUMPH WHITE ORPINGTONS** win and lay. Eggs \$1, \$2 and \$3. Triumph Poultry Farm, Connersville, Ind. 2-4

**FOR SALE—Some A-1 Kellerstrass White Orpington** cockerels. Also eggs for hatching. Albert Goebels, Cullom, Ill. 2-4

**BLACK ORPINGTON EGGS** from nice large birds of a heavy laying strain, \$1.00 per 15. H. Merriam, Ashburnham, Mass. 2-4

**40 SINGLE COMB White Orpington** cockerels, Kellerstrass strain. \$2.50 to \$5. W. H. Barr, Kansas, Ill. 2-3

**HEAVYWEIGHT, SHORT LEGGED,** Perfect color blacks, scoring 96, only \$10.00. Grand cockerels \$1.00 to \$5.00. State your wants fully. Orpington Yards, Delavan, Wis. 2-3

**HATCHING EGGS** from eight large white hens with type to burn. The kind that will breed winners. These hens are mated to first cockerel at Wisconsin's state show held at Madison January, 1913, 102 White Orpingtons, class of 22 cockerels. Eggs \$5.00 per 15. We breed for egg production and get them. Eggs from all other pens, \$2.00 for 15; 30 or more 10c each. L. W. Clarke, Oregon, Wis. 2-4

**QUALITY WHITE ORPINGTONS EXCLUSIVELY.** Trap-nested winter layers. The only paying kind. Eggs, \$3.00 per fifteen. Limited number baby chicks. Send for mating list. Address, Crystal-O Farm, Box D, Batavia, Ill. 2-4

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**BUFF ORPINGTON EGGS—Chicago** winners. Also National egg laying contest. Up to weight. Score 93½ to 94½ by Russell. Catalogue free. Richard M. Seward, Box No. 26, Route 3, Cuba, Ill. 2-5



## ORPINGTONS.

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**WHITE ORPINGTON cocks, cockerels, hens and pullets.** The winning kind. Prices right. Address White Feather Farm, R. 1, Liberty, Ind. 5-12-13

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**KELLERSTRASS CRYSTAL WHITE ORPINGTONS** for sale; good winter layers. Mrs. Arthur Mayrand, Route No. 4, Kankakee, Ill. 11-3

**BUFF ORPINGTONS (MARTZ)**, Black Orpingtons (Blue Ribbon)—Eggs, \$1.50 and \$3.00 per 15. Send for mating list. Members, National Buff and Black Orpington Clubs. Mason and Mitchell, Ridge Farm, Hawesville, Ky. 1-3

**SINGLE COMB WHITE ORPINGTONS** from first prize winners at Madison Square. Eggs from blue ribbon pens, \$5.00 and \$3.00 for 15 eggs. A. H. Faulkner, Millington, N. J. 1-3

**PHILO AND KELLERSTRASS** White Orpingtons: Stock, eggs and baby chicks for sale. Muirhead Bros., Box 4, Plato Center, Ill. 1-3

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**KELLERSTRASS WHITE ORPINGTONS**—Young and old stock for sale. Prize winners at Illinois state fair. Can furnish you the best stock at very low prices. H. J. Strathmann, 150 Main St., Palmyra, Mo. 1-3

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**WHITE ORPINGTONS**—WINNERS of 20 firsts and silver cups. Fine pens at \$10.00 each. Stock for sale. Order eggs now. Mating list. Sheldon Wolf, Washington, Pa. 2-4

**ROSE C. BUFF ORPINGTONS**—For five years my birds won more firsts at Madison Square Garden than all my competitors. State your wants. B. C. Roecker, Phillipsburg, N. J. 2-4

**WHITE ORPINGTON MALE** imported direct from England mated with females from Kellerstrass hundred dollar pen. Eggs five dollars for fifteen. Eggs from Kellerstrass stock, two dollars for fifteen. Kellerstrass stock mated with Cook strain, fifteen eggs one dollar. Roland McKean, Mulberry Grove, Ill. 2-4

**PHILO PEDIGREE**—White Orpingtons. Eggs \$3.00 setting. Mrs. W. P. Williams, Irvine, Ky. 2-4

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**KELLERSTRASS WHITE ORPINGTONS**—single comb exclusively. Eggs \$1.50 to \$3.00 per fifteen. Some stock and day-old chicks. Write your wants. H. P. Swank, South English, Iowa. 2-4

**S. C. BLACK ORPINGTONS**—Excellent laying strain and winners. Eggs \$2.00, \$3.00 and \$5.00 per fifteen. Send for mating list. G. Anderson, Hincley, Ill. 2-4

**CHOICE BREEDERS AND YOUNG** stock—Rose Comb Buff and White Orpingtons. Birchwood Poultry Farm, Westbrook, Me. 2-3

**"ORPINGTON EGGS"** \$1.00 and \$2.00 per 15; 100, \$5.00, \$10.00; ½ from each pen \$7.50. Birds from \$100.00 Kellerstrass trio, males weight to 11 pounds, pullets to 9½. N. Roy Bowman, Albany, Wis. 2-4

**WORLD'S BEST ORPINGTONS**—Rose and Single Comb White, Buff and Black. Winning over 2,000 prizes. Stock, eggs, chicks. Stamp for catalogue. J. S. Haupt's Farm, Easton, Pa. 2-4

**QUALITY ORPINGTONS**—Black and Buff. 1st at Brockton Fair, Providence, R. I., and silver cup best black cockerel at Rochester, N. Y. Eggs and stock for sale. Henry Lorio, East Dedham, Mass. 2-4

**SINGLE COMB WHITE ORPINGTONS**—Standard weight hens scoring to ninety-five, mated to pure white ten-pound cockerel. Fifteen eggs, \$3.00. Express prepaid. Edward Buss, Janesville, Wis. 2-4

**BUFF ORPINGTON COCKERELS**, half price. George Rheinfrank, West Chicago, Ill. 2-4

**WHITE ORPINGTON EGGS** for sale. Pure Kellerstrass strain, \$1.50 per 15; \$4.00 per 50; \$7.00 per 100. Ed. Schumann, Madison, Ind. 2-5

**KELLERSTRASS STRAIN CRYSTAL WHITE** Orpingtons exclusively. Stock for sale, day-old chicks, eggs for hatching, \$5.00 and \$10.00 a setting. John H. Low, Farrell, Pa. 2-4

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**MAC'S QUALITY BUFF ORPINGTONS** winner of five loving cups this fall. Pullets scoring 96½, cockerels 95. Special price on ten mated pens. My birds have splendid type, color and size. C. H. McAdams, Greenville, Bond Co., Ill. 2-4

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**GENUINE CRYSTAL WHITE ORPINGTONS**. Wonderful cockerels \$1.00 up. Orpington Yards, Delavan, Wis. 2-3

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**S. C. BLACK ORPINGTONS**—Here's where you can get eggs from my prize winners, also won sweepstake cup over all birds at Greene Co. show. Price \$5.00 and \$3.00 per 15. G. C. Hays, Jefferson, Iowa. 2-4

**WHITE AND BLACK ORPINGTONS**—Young and old stock for sale. Vigorous, strong type. Line bred. Prices reasonable. Eggs \$2.00 setting, \$10.00 hundred. J. G. Ditzinger, Monona, Iowa. 2-4

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**PRIZE WINNING WHITE ORPINGTONS**. From Kellerstrass \$30 eggs, \$3, \$5, \$10 per setting. Day-old chicks. Mrs. Olevia Jones, Beecher City, Ill. 2-4

**BUFF ORPINGTONS**—13 eggs \$3. Cock raised from \$20 eggs. Write for description. No stock. J. F. Simmons, Booneville, Miss. 2-4

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**KELLERSTRASS STRAIN S. C. Crystal White** Orpingtons. Eggs, \$3.00 per 15, \$5.00 per 30. Extra good winter laying strain. Member White Orpington Club. G. O. Jean, Bloomfield, Ind. 2-4

**SINGLE COMB WHITE ORPINGTON EGGS**, \$3.00 per 15. William Buslap, 3731 Columbia St., near Lawndale and North Aves., Chicago. 2-4

**EXTRA FINE** Rose and Single Comb White Orpington stock and eggs. Get my circular. B. Wenk, Washington, Ill. 2-4

**KELLERSTRASS WHITE ORPINGTON** eggs \$3 per 100. Buffs, \$5 per 100. Stock. Alice Like Morris, Big Rock, Ill. 2-5

**WHITE ORPINGTONS (KELLERSTRASS)**. "Lay, weigh, win and pay." Stock for sale. Eggs, fifteen, two dollars; thirty, three-fifty. Rev. E. H. Keator, Franklin Park, N. J. 2-4

**I GUARANTEE PERFECT HATCHES** by selling you chicks. White Orpingtons Kellerstrass, Owen Farms or Philo's best stock, 25c each. Robert Walton, Horseheads, N. Y. 2-4

**WHITE ORPINGTONS FOR SALE**—From my imported stock direct from William Cook, England. Also Crystal White Orpingtons. Eggs from snow white, heavy laying stock, \$3.00 to \$10.00 per 15. Mrs. J. H. Weaver, Winamac, Ind. 2-4

**KELLERSTRASS ORPINGTONS**. Large, vigorous cockerels, \$3.00 to \$5.00. Eggs, \$6.00 per 100. Lizzie Gustafson, Olivia, Minn. 2-4

**KELLERSTRASS CRYSTAL WHITE** Orpington cockerels, early hatched. Fairfield Farm, Hinsdale, Ill. 2-4

**SINGLE COMB BLACK ORPINGTONS**. Cook strain. Prize winners. Eggs for hatching. Fertility guaranteed. Send for mating list. Quaintance Poultry Plant, Route 1, Upper Sandusky, Ohio. 2-4

**SINGLE COMB WHITE ORPINGTONS**, exhibition quality, \$10.00 per pen. Eggs for hatching \$2.50 per 15. Harry Bennett, Connorsville, Ind. 1-3

**WHITE ORPINGTON EGGS**. Circular free. W. Schweppe, Sadorus, Ill. 1-5

**WHITE ORPINGTONS (COOK STRAIN)**. Stock from the Madison Square winner for which Cook & Sons refused \$1,000. Large bone and snowy white. Mrs. John English, Nevada, Iowa. 1-3

**SINGLE COMB BUFF ORPINGTONS** (Cook Strain). Eggs at \$1.00, \$2.00 and \$3.00 per 15. Fertility, safe delivery guaranteed. M. Button, Celina, Texas. 3

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**S. C. BUFF ORPINGTON Settings**. Winter layers. Won for me, my customers, and will win for you. Price and quality will please you. Beautiful mating list free. C. H. Anderson, Box A 287, Galesburg, Ill. 3-5

**TRY MY PRIZE WINNING** White Orpington eggs, \$2.00 per 15; and Duston strain White Wyandotte eggs, \$1.50 per 15. Jacob Gross, Freeburg, Ill. 3-5

**"KELLERSTRASS WHITE ORPINGTONS."** Eggs, fancy, \$2.00; utility, \$1.50, per 15, by parcel post. Guaranteed to please. Geo. Wright, Lancaster, Ill. 3-5

**EGGS—KELLERSTRASS CRYSTAL** White Orpingtons, \$1 per setting, \$5 per 100. H. M. Smith, Princeton, Ill. 3-4

**WHITE ORPINGTONS**. Eggs, \$1.00 per 15. Extra good winter layers. Edmond Berkshire, Depauw, Ind. 3-5

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**WHITE ORPINGTONS — KELLERSTRASS**, Jackson, Owen strains. Fine, large boned, March and April hatched cockerels, \$5.00 to \$10.00 each. Eggs, \$3.00 and \$5.00 per setting. Satisfaction guaranteed. Write for full particulars. V. H. Walter, West View, Allegheny County, Pa. 3-5

**REMEMBER NICODEMUS'** White Orpingtons won at Akron, Wadsworth, 1913. They are of the best blood in America. Eggs, \$3. per 15. Winning males cheap. Write Oscar Nicodemus, Wadsworth, Ohio. 3

**GOLDEN BUFF ORPINGTONS**. The most beautiful birds that ever graced a back lawn or the green fields. I breed them for pleasure only. My breeding pens this season consist of the most beautiful selection of bred-to-lay, color, type, shape and weight I have ever seen. Am willing to divide this pleasure with you for less than cost. Eggs, \$1.50 to \$5.00 per setting. Mrs. S. A. Mickey, Cynthia, Ky. 3-5

**WHITE ORPINGTONS**. Winter layers. High scoring. Satisfaction guaranteed. Lester Falter, Janesville, Wisconsin. 3-5

**S. C. WHITE ORPINGTONS** exclusively. Eggs from selected pen, \$2.00 per setting. E. P. Sullivan, Gillespie, Ill. 3-5

**"CRYSTAL" WHITE ORPINGTONS** direct from Kellerstrass's best. Farm raised, up to weight. Eggs from prize winners, \$2.00 per 15. Mrs. Ada Hall, Kenney, Illinois. 3

**EGGS—KELLERSTRASS ORPINGTONS**. The pure white, low down, blocky kind; cockerel's weight, 9½ lbs.; hatch guaranteed; price, \$3.00 per 15. Mating list ready. Steidinger Bros., Forrest, Ill. 3-5

**WHITE ORPINGTON EGGS (Snow Flake)**, \$2.00 per 15. Satisfaction guaranteed. Will Schmidt, Fairbury, Ill. 3-5

**"CRYSTAL" WHITE ORPINGTONS**, Kellerstrass direct. Eggs from choice birds. Day-old chicks and stock. Send for mating list. Rev. J. Kuhlmann, Baltic, Ohio. 3-5

**S. C. BUFF ORPINGTONS**, Cook strain. High scoring, well mated birds; excellent type and color. First prize winners at Jacksonville, Ill., 1911-12. Heavy laying record. Eggs, \$2.00 per 15. A. C. Barnes, Manchester, Ill. 3

**KELLERSTRASS S. C. WHITE ORPINGTONS**. Eggs, \$1.50 to \$3.00 per 15. Ten fine cockerels, \$3.00 to \$10.00 each. Write quick. T. J. Hubbard, Birch Run, Mich. 3-5

**EGGS, EGGS, EGGS**. From pure breed White and Buff Orpingtons and Buff Leghorns. \$2 and \$3 per 15. Write for mating list. Square Deal Poultry Farm, Atlanta, Illinois. 3-5

**KELLERSTRASS WHITE ORPINGTONS**—Prizes at National Poultry Show, Indiana State Fair and Anderson, Ind., all last year. Fine utility females, standard weight and type, \$1.50. Eggs, \$2.50 and \$1.50 for 15. Mrs. Wallace B. Campbell, Anderson, Ind. 3-5

**SINGLE COMB BUFF, BLACK AND CRYSTAL** White Orpingtons. Eggs from prize winning stock. Buff, \$1.15; Black and White, \$1.50 13; \$3.00 30. J. H. Martin, Mercersburg, Pa., R. D. 4. 3-5

**S. C. WHITE ORPINGTONS**. If you want to breed winners, buy eggs from birds that win. Eggs from grand pen headed by our 1912 list Hagerstown cockerel, \$7.00. Other grand matings, \$3, \$4 and \$5 per 15, prepaid. Bonny View Poultry Farm, Keyser, W. Va. 3-5



## ORPINGTONS.

STAY WHITE ORPINGTONS, scoring to 95%. Illustrated egg catalogue. Thomas Brogren, Rush Lake, Wis. 3-4

"ORCHARU HILL" HIGH CLASS S. C. Buff Orpingtons exclusively. Winners Springfield, Peoria, Alton, Granite City. Eggs, \$4.00, \$2.00, \$1.50, 15. Utility, \$5.00 100. Mating list. F. Crosby Jones, Kane, Ill. 3-5

WHITE ORPINGTON EGGS from prize winners for sale. Also Indian Runner duck eggs. Orpington Poultry Yards, Box 9, Freeport, Ill. 3-5

"JEWELL'S" IMPROVED CRYSTAL White Orpington eggs and chicks, from exhibition and utility stock. Illustrated catalogue free. Satisfaction guaranteed. Harry Jewell, Painesville, Ohio. 3

BLACK ORPINGTON (Cook's) eggs for hatching, \$1.50 and \$2.50. Also three good cockerels left. John Bouchard, St. Anne, Ill. 3-5

BUFF ORPINGTONS and eggs for sale. Incubator lots a specialty. George Holland, Louisiana, Mo. 3-5

SINGLE COMB BUFF ORPINGTONS (Martz, Tenzler strains). Member National S. C. Buff Orpington Club. Eggs, Three Dollars per fifteen. Allie J. Sermersheim, Jasper, Ind. 3-5

EGGS FROM PRIZE WINNERS, \$3 for fifteen. Mating list for a postal card. We specialize in size, type and color. Please write. E. M. Van Petten & Sons, Bloomington, Ill. 3-5

KELLERSTRASS WHITE ORPINGTONS. Eggs from high class stock and prize winners. Write for prices and matings. Gibson, White Orpingtons, Media, Ill. 3

SINGLE COMB BUFF ORPINGTONS for sale—Grand exhibition and breeders—old and young—from Cook's imported and home winners. Bargains in cockerels and breeding pens. D. W. Adams, Wyaconda, Mo. 3-4

S. C. BUFF ORPINGTONS from Cook's blue ribbon winners direct. Excellent layers. Eggs, \$2.50 and \$2.00 for 15. M. Roy, 801 Varnum St., N. W., Petworth, D. C. 3

ROSE AND SINGLE COMB White Orpingtons. Winners Illinois State, Indiana Fanciers, and Wabash Valley Shows. Eggs, \$3. and \$5. for fifteen. Lyman Harris, Newton, Ill. 3-5

ROSE COMB BUFF, BLACK AND WHITE Orpingtons. Madison Square Garden, Chicago. Cleveland and Detroit winners. H. C. Faulkner, Marshall, Mich. 3-5

EGGS—KELLERSTRASS CRYSTAL WHITE Orpingtons. Prize winners. Large, shapely, pure white birds, \$1 per setting, \$5 per 100. Booking orders now for early spring delivery. H. M. Smith, Princeton, Ill. 3

MY SINGLE COMB WHITE Orpingtons are better than ever. Cook, Haggin, Kellerstrass strains. Eggs, \$1.50 15; \$10.00 per 100. P. F. Montgomery, Nashport, Ohio. 3-5

KELLERSTRASS ORPINGTONS—Pullets, hens and cockerels, \$2.00 to \$5.00. Eggs, Eli R. Rosenberger, Box 16, Tiffin, Ohio. 1-3

WHITE ORPINGTONS. Stock direct from Kellerstrass. Eggs, pen, \$2.00 per 15; utility, \$1.00 per 15, \$5.00 per 100. Miss Alma Eichelmann, R. 4, Waterloo, Ill. 3-5

SINGLE COMB WHITE AND BUFF ORPINGTONS. Choice stock, reasonable. Eggs of Whites, \$3.00 per 15, \$12.00 per 100; Buffs, \$2.00 per 15, \$8.00 per 100. August W. Schroeder, St. Peter, Ill. 3

FOR SALE—Single Comb Black Orpingtons. Eleven pullets, one cock; good large strain; cock is two years old. Will sell for \$25.00. Address Sheppert Bros., Pekin, Ill. 3

CHOICE KELLERSTRASS WHITE ORPINGTONS. State Show winners; hens up to 13 lbs. Eggs, \$2.00, \$3.00 and \$5.00 per fifteen. Stock for sale. Edw. Zerbst, St. Joseph, Mo. 3-5

ROSE COMB WHITE, Single Comb Buff. Eggs, \$1.50 to \$5. Hens with baby chicks, \$4 to \$10. Breeding stock. Mating list ready. Dr. Evans, LeGrand, Iowa. 3-5

DUNCAN'S CRYSTAL WHITE ORPINGTONS, the Big Type strain, won fifty firsts and specials this season. Eggs from five matings, all prize winners. First pen headed by \$100 cock. Price per setting, \$3, \$5, \$10. Book your order now; \$1 down, balance week before delivery. Duncan Orpington Yards, Seaton, Illinois. 3

FIRST PRIZE S. C. BUFF Orpington cockerel, Indianapolis and Lafayette, where I refused \$100 cash. Will be mated with ten choice pullets that will produce winners. Booking eggs. Rev. C. L. Merriman, Chalmers, Ind. 3-5

SINGLE COMB WHITE ORPINGTONS. Fine stock, winter layers. 15 eggs, \$2 and \$5. Perry Lindsey, Oakwood, Ill. 3-5

COOK STRAIN Rose and S. C. W. Orpingtons. Large birds, best winter layers. 15 eggs, \$2.50. Special pen, \$2.50. C. A. Mohr, Shabbona, Ill. 3-5

WATCH MY ORPINGTONS. Pen 1 White, Pen 2 Buff, in Inter Ocean egg-laying contest. Eggs from these strains, birds scoring to 93%, \$1.50 per 15; 30, \$2.50. Circular free. Bert Shaw, Elizabeth, Ill. 3-5

SINGLE COMB BUFF ORPINGTONS—Strong in all points. Twelve years a breeder. Cook strain. Pullets, \$1.00 to \$3.00. Eggs, \$1.00 for 15; \$5.00 per 100. Fred S. Long, Fredericktown, Ohio. 3-4

## RHODE ISLAND REDS.

SINGLE COMB RHODE ISLAND REDS.—Eggs for hatching. Second year hens, \$1.00 for 15; \$6.00 for 100. Harry Ress, Massillon, Ohio. 3-5

SINGLE COMB REDS—Four select matings. Eggs, \$1.50 per 15. H. E. Gifford, Rural Route 4, Springfield, Ill. 3

WHEN STARTING IN REDS start right. The great Bean strain Rose Comb Rhode Island Reds win wherever exhibited; can supply limited number eggs from grand mating, \$10.00 per 15. Lakeside Red Yards, Box 198, Fort Wayne, Ind. 3

R. C. REDS. Eggs, \$2.00 and \$1.00 per setting. Dahlberg & Ledell, 732 Vine St., Beloit, Wis. 3

SINGLE COMB RED EGGS. Stock, good type and color. 15 eggs \$2.00; 50, \$4.00; 100, \$6.00. Burr Lighthill, Oakwood, Ohio. 3-4

ROSE AND SINGLE COMB Rhode Island Reds—Eggs for hatching sold reasonable. W. R. Forderhase, Berger, Mo. 3-5

ROSE COMB REDS; large, vigorous, dark red stock. 1st cock, Rockford, 1913; Eggs, \$1.50 15; \$2.50 30. Harold Heffron, Rockford, Ill. 3-5

ROSE COMB REDS—From King Philip I. (Buschmann). We won seventeen prizes. Highest scoring cockerel, Mt. Vernon show, 1913. 15 eggs, \$2.50 to \$5.00. James D. Pace, Route 6, Mt. Vernon, Ill. 3

ROSE COMB REDS. Three pens headed by prize winners at Minneapolis. Eggs, \$2.50 per 15. By Parcel Post, prepaid. Safe delivery guaranteed. Lyndale Poultry Yards, 5102 South Lyndale, Minneapolis. 3-5

ROSE COMB REDS. Winners, 1912-1913. Cleveland, Columbus, State Show, Toledo, Hamilton and Bowling Green. Eggs from best pens, \$5.00 per 15. C. C. Lee, Main St., Jerry City, Ohio. 3-5

ROSE COMB REDS—The kind that lay. Eggs, \$2.00 per setting. Free Parcel Post delivery. N. B. Lints, Frankfort, N. Y. 3-5

RUFNER'S LINE BRED R. C. Rhode Island Reds. Blue ribbon and shape and color special winners. Eggs from \$1.00 to \$5.00 per 15. O. G. Rufner, Waterloo, Ind. 3

ROSE COMB REDS. Bred from prize winners and heavy egg strain. Eggs, \$1.50 per 15; \$7.00 per 100. O. D. Cook, R. 2, Jefferson, Ohio. 3-5

"WARREN'S AUTOCRATS"—SINGLE COMB Rhode Island Reds. Crowther strain. Won 3rd cockerel in a large class at Cleveland, 1913. Blood lines that have won the Blue at all international shows in 1912. Have the type, color, which makes them the leading strain of Reds in the world. 300 cockerels for sale. Eggs in season. Send for mating lists. Mrs. Jennie Warren, Bell Vista Farm, Mentor, Ohio. 3

CLARK'S STRAIN Single Comb Reds win eight silver cups, and display wherever shown this season. Mating list. G. D. Clark, Bellows Falls, Vt. 3

ROSE AND SINGLE COMB REDS. Choice stock reasonable. Eggs, \$2.00 per 15, \$8.00 per 100. Buschmann's strain. August W. Schroeder, St. Peter, Ill. 3

ROSE AND SINGLE COMB REDS. Stock, eggs and chicks of finest strains. Catalogue. B. B. Hatchery, Chatham, N. Y. 3

EXTRA BIG BONED R. C. Reds, red eyes, deep red, long back, low tail, scored, \$3.00 and \$5.00 each. Eggs, 15 cents each. Guaranteed. Highland Farm, Hedrick, Iowa. 2-5

ROSE COMB REDS—Peoria, Pekin, Bloomington winners. Mating list. Walter A. Getz, Tremont, Ill. 3

S. C. REDS, BEAUTIFUL dark red color. Eggs, \$1.50 per 15; \$5.00 per 100. Utility pullets, \$1.00 each; \$10.00 per doz. G. A. Haper, Batchtown, Ill. 3-6

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SINGLE COMB BLACK MINORCAS bred exclusively. Excellent laying strain. Eggs, \$2.00 per 15, or \$8.00 per 100. Minorca Farm, Sta. L, Route 3, Cincinnati, Ohio. 2-4

BLACK MINORCA COCKERELS for sale. Northrup strain. Margaret E. Bull, Kent, Conn. 2-3

SINGLE COMB BLACK MINORCAS (Northrup strain). Winners everywhere shown. Get prices for eggs. Square deal. Sterling E. Boyer, Bangor, Mich. 2-4

MARSH'S SINGLE COMB Black Minorca eggs from my prize winners; 15, \$2.00; 100, \$10.00. J. O. Marsh, 620 J St., Bedford, Ind. 2-4

SINGLE COMB BLACK MINORCA cockerels with the genuine Minorca type, size, and color. A limited number of hens. Pens mated not akin. Eggs in season. John H. Beachy, Middlebury, Ind. 2-4

WHITE MINORCAS—Madison Square, Hagerstown winners. Stock and eggs. Maurice Wingard, Chambersburg, Pa. 2-4

BUFF MINORCAS, Single and Rose Comb stock and eggs. Can start you right in this grand breed. Originator of Buff Minorcas. R. P. Buffington, Springfield, Ohio. 2-4

SINGLE COMB BLACK MINORCAS, Northrup, Pope strains; prize winners; heavy layers; state your wants. Satisfaction guaranteed. E. A. Merriam, Gaysport, Ohio. 2-5

DICKINSON'S SUGAR BUTTER Single-Comb White Minorca cockerels and pullets, these are all from high scoring birds and will price right. Bailey Bros., Marshalltown, Iowa. 2-3

S. C. BLACK MINORCAS EXCLUSIVELY. Cockerels with size and eggs from my winners at Madison Sq. Garden, Chicago, Cleveland and Cincinnati. Price right. Get mating list. Al Renner, Coshocton, O. 2-4

S. C. AND R. C. BLACK MINORCA cockerels for sale \$2.00 each. Prompt shipment. Address E. E. Neff, Plano, Ill. 2-4

SINGLE COMB BLACK MINORCAS. Eggs from heavy laying strain, \$1.50, \$2.50 and \$4.00 per 15. Fine cockerels, \$3.00 and \$5.00. Indian Runner Duck eggs, English strain. R. Oetzel, New Richmond, Ohio. 2-5

SINGLE COMB BLACK MINORCAS—Pen one headed by cock bird scoring 95. Pen two, by cockerel scoring 95. Pen three, by cockerel scoring 93½. Eggs for sale. Rufus Mutchler, Chenoa, Ill. 1-3

RICHLAND POULTRY YARD, Waynesville, N. C.—Single Comb White Minorcas, fine cockerels; eggs \$2.60 per 15. C. H. McDowell, Waynesville, N. C. 1-4

SINGLE COMB BLACK MINORCA cockerels. Prize winners. Satisfaction guaranteed. Gus Steffen, Bismarck, Mo. 1-3

ROSE COMB BLACK MINORCAS exclusively (Northrup strain). Stock for sale, 15 eggs, \$1.50; \$7.00 per 100. J. R. W. Deyo, New Paltz, N. Y. 1-3

LARGE SINGLE COMB BLACK MINORCAS. Get prices. J. A. Lauder, Cartersville, Ill. 1-3

SINGLE COMB BLACK MINORCAS—Hens, cockerels and pullets. D. C. Huggett, Grand Ledge, Mich. 1-2

ROSE COMB BLACK MINORCAS exclusively. Northrup-Mishler, Stevenson's strains. America's very best. Seventeen years breeding this one fowl. Exhibition and breeding birds a specialty. Eggs for sale. Write me your wants; I insure satisfaction. John D. Stevenson, Coshocton, Ohio. 1-3

MEISELBACH'S WHITE MINORCAS—Single and Rose Comb highest quality stock for sale. Harry Meiselbach, Melrose Park, Ill. 12-2

BUFF MINORCAS—True shape, color, size, winter layers. Lindgren Bros., Originators, Kingsburg, Cal. 12-2

SINGLE COMB BLACK MINORCA prize winners, young and old stock. E. V. Shorb, Massillon, Ohio. 12-2

SAPPER'S WHITE MINORCAS. Both utility and show birds; excellent layers; at reasonable prices. Mrs. William Sapper, Box S, Erie, Pa. 12-4

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MELTON'S LAKENVELDERS, EVERLASTING layers, win wherever shown. Won first at New Albany and Indianapolis this year. Eggs in season. H. G. Melton, Marengo, Ind. 3-5

LAKENVELDERS—MY "BEAUTY" strain won four firsts at Chicago, 1911, and first pen with four other ribbons at Madison Square Garden, 1913. W. R. Legron, Harvard Terrace, Toledo, O. 2-3

LAKENVELDERS—Eggs and cockerels from 1st prize winners. Satisfaction guaranteed. G. Nederveld, Zeeland, Mich. 2-5

LAKENVELDERS—Eggs from best imported strains of Lakenvelders. C. A. Meeker, Toledo, O. 2-4

LAKENVELDER EGGS for hatching. Send for mating list. C. E. Hathaway, Sheffield, Pa. 2-4

LAKENVELDERS—Best layers and the most beautiful fowl in the world. Write for circular giving prices on eggs and showing pictures true to life of my Chicago winners. A few choice cockerels for sale. Frank Myers, Freeport, Ill. 2-4

LAKENVELDERS—Can book a limited amount of orders from a record pen of winners headed by cock "Dick Deadeye" (twice shown—twice first, Chicago, Dec., 1911, Boston, Jan., 1913), and containing hens that won at Boston, Indianapolis and elsewhere. Setting, \$5.00. Daniel S. Flink, Mgr., 1427 Howard St., Chicago. 2-4

## BANTAMS.

BUFF COCHIN BANTAMS \$1 each. Harold Hayward, Coksville, Ill. 3

WHITE COCHIN BANTAM eggs \$1.25 per 15. Louis Yender, Naperville, Ill. 3-5

EXHIBITION JAPANESE Bantams—Black Tailed, White, Black, Golden Sebright and Black Rose Comb. Stock for sale. Hez Kinter, Dillsburg, Pa. 3-5

PRIDEAUX COCHIN BANTAMS—Partridge and Blacks—have won from Atlantic to Pacific. Stock, eggs. Catalogue. John D. Prideaux, Benton Harbor, Mich. 3-5

BUFF COCHIN BANTAMS. Stock and eggs. Harry Zutavern, Berea, Ohio. 3



**BANTAMS.**

**SILVER SEBRIGHTS, BUFF COCHINS,** Silver Duckwing Bantams. High class prize winners. Eggs, two dollars thirteen. J. W. Croke, Richmond, Ky. 3-5

**BUFF COCHIN BANTAMS.** Eggs from No. 1 pen, \$2.00 per 15. Fred M. Haas, Machias, N. Y. 3-5

**BLACK TAILED JAPANESE Bantams.** Kind that win at leading shows. Successor to Muncie Avery. Fifteen eggs \$2. James Pearcey, Martinsville, Ind. 3-5

**BUFF COCHIN BANTAMS**—Chicago and Indianapolis winners. Mating list free. John Kinney, Muncie, Ind. 3-4

**"MOHAWK" STRAINS** superior. Black Reds, Silver Duckwings, Red Pyle Games, Partridge and Buff Cochins. Shipped on approval. Eggs. Mohawk Bantam Yards, Box E, Schenectady, N. Y. 2-3

**1000 BANTAMS FOR SHIPMENT.** Send 2c stamp for circular. A. A. Fenn, Box 37, Delavan, Wis. 2-7

**SEVERAL PAIRS GOLDEN SEABRIGHT Bantams,** \$3.00 per pair. W. F. Carle, Janesville, Wis. 2-4

**GOLDEN SEABRIGHT BANTAMS**—Stock and eggs. Write wants. Don O. Baird, Winchester, Ohio. 2-4

**THE BEST IN WHITE JAPANESE** and R. C. Blacks. Madison Sq. Palace and Boston winners; also Buff and White Cochins. Eggs \$5 per setting. Stock for sale. C. F. Davey, Vineyard Havens, Mass. 2-4

**RARE BARGAINS**—Golden and Silver Sebright, Buff, Black and White Cochins, Rose Comb Black and Black Tailed Japanese Bantams. Proper & Son, Scholastic, N. Y. 8-513

**WHITE COCHIN BANTAMS**—High grade exhibition stock scoring to 96%. Satisfaction guaranteed. I. R. Mankel, Upper Sandusky, Ohio. 1-3

**BLACK, BUFF, WHITE** and Partridge Cochins Bantams. Walter Schafer, Mt. Pulaski, Ill. 1-3

**LIGHT BRAHMA BANTAMS**—Finest flock in the world to choose from. Winners at leading shows. A few show birds and breeders for sale. No eggs. J. Hart Welch, Box C, Douglaston, Long Island. 1-13-1 yr.

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**RALPH CHANT, JOHNSTOWN, NEW YORK.** Dorkings won 3 firsts Madison Square, 1913. 3

**SILVER GRAY DORKINGS EXCLUSIVELY** 24 years. The very finest as our records show. More first and special prizes at New York and Boston the last 15 years than all others combined. Eggs from 6 grand pens \$4.00 per 13, \$7.00 per 26. A few fine birds to spare. Watson Westfall, Sayre, Pa. 3-5

**RED CAPS.**

**IMPORTED ENGLISH RED CAPS.** Eggs from my best pens, \$3.00 per 15. Baby chicks, 45 cents each. R. P. Weidenfeller, Mineral Point, Wis. 1-3

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**PURE BRED SICILIAN Buttercups**—Pens headed by fine standard bred cocks, with finely marked, classy hens. Eggs reasonable from responsible parties. Write Victoria Poultry Yards, 7203 Picadilly Ave., St. Louis, Mo. 3

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**BUTTERCUPS**—15 EGGS \$3.00, 30 eggs \$5.00. Cockerels, pullets, \$5.00 each. Henry Schowe, New Bremen, Ohio. 3-5

**SICILIAN BUTTERCUPS** will be in Great Demand for years to come, and Big Money will be made by all who breed them. Come in! For Free Folder full of Foreful Facts, address: Isaac Tillinghast, Secretary American Buttercup Club, Factoryville, Pa. 3-5

**BUTTERCUP EGGS** \$2.00 for 15. From best imported stock. E. C. Aderhold, Plymouth, Wis. 3-5

**BUTTERCUPS—GREAT LAYERS.** Eggs, four dollars per fifteen, from choice matings. Winners of silver medal at Northern Illinois Poultry Show. Others, three dollars. All trapnested. Satisfaction and fertility guaranteed. H. Court, Kankakee, Ill. 3-6

**BUTTERCUPS. BRED FROM** imported and blue ribbon winners. Eggs, three dollars per 15. Rev. W. Polaczky, Junction City, Wis. 3-5

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**SICILIAN BUTTERCUPS—BROWE STRAIN.** "Everlastingly laying big white eggs." Fifteen eggs, three dollars; thirty, \$5.00. (Rev.) E. H. Keator, Franklin Park, N. J. 2-4

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**BUTTERCUPS**—For eggs and beauty Buttercups are unexcelled. H. V. Meeker, Toledo, O. 2-4

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**SICILIAN BUTTERCUPS OF QUALITY.** Six years a breeder. Send for mating list. Clarence Resinger, Park Ave., Du Bois, Penn. 2-4

**SICILIAN BUTTERCUPS,** from original imported stock. Prolific layers. Large white eggs, \$2.50 and \$3.00 per setting. Mrs. C. S. Chandler, Box 3, Liberty, Neb. 2-4

**SICILIAN BUTTERCUPS,** the largest amount of imported stock to be seen in America. Book your egg order early and get the best. Franklin S. Finkel, Mountain View Poultry Farm, Painesville, O. 2-4

**BUTTERCUPS**—A few good cockerels, \$5.00 each. Eggs for hatching, \$3.00 per 15; \$5.00 per 30. Angle Bros., Shippensburg, Pa. 2-4

**BUTTERCUPS—FIRST HEN,** first, second, fourth pullet; first cockerel, Bridgeport show, 1912. First cock and hen, 1911. Eggs, \$3.00, \$5.00 per setting. E. J. O'Neill, 2785 Main Street Bridgeport, Conn. 1-3

**BUTTERCUPS—FINE LAYERS,** strong vigorous stock. Eggs for hatching, \$2.00 to \$3.00 for 15. A. T. Abbott, Stockport, Ohio. 1-4

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**LIGHT BRAHMAS,** at your price not mine. Owing to rheumatism I am compelled to retire. For 20 years I have been perfecting this flock for you, which defies all competition. 14 won 15 premiums in our Kansas State show. My pictorial description for the asking. Mrs. J. R. Kenworthy, Wichita, Kan. Mention this paper. 3-4

**LIGHT BRAHMAS EXCLUSIVELY** 15 years. Extra fine. Eggs, \$1.50 for 15, \$2.50 for 30. A. T. Baird, Eureka, Ill. 3-5

**LIGHT BRAHMA**—famous Hilbert strain; blue ribbon winners. Eggs, \$3 and \$5. Hilbert Yards, 1351 South High Street, Columbus, Ohio. 3-5

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**LIGHT BRAHMA COCKERELS,** early hatched, \$3.00 to \$5.00. E. E. Crow, Sadorus, Ill. 2-4

**MY LIGHT BRAHMAS** were prize winners at Madison Square Garden. For sale now. 75 pullets, \$3.00 to \$8.00. 35 cockerels, \$5.00 to \$15.00. Also yearling hens and cock birds. Pens, \$15.00 to \$50.00. Exhibition stock, matter of correspondence. Standard bred stock. From March 15th, eggs for hatching, \$3.00 per 15. Address Anna Kahlen, Station J, Box 25, New York City. 2-4

**LIGHT BRAHMAS**—Good dark points, shape and size. Eggs, 15, \$2.00; 50, \$3.50; 100, \$6.00. Circular free. Chas. Hunt, Clarksville, Iowa. 2-5

**ROSE COMB LIGHT BRAHMA** hens, cocks, cockerels and pullets for sale, \$1.25 each. Eggs in season. Book your orders early. John F. Shultz, R. 1, Warren, Ill. 1-3

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**ABERNETHY'S HOUDANS**—Winners New York, Boston, Philadelphia, Hagerstown, Brockton, etc. They look well, win well, lay well. Better buy the best. Stock and eggs reasonable. James Abernathy, West Pembroke, Maine. 3-4

**AS USUAL KAKUSKA'S** peerless Houdans winners at great Chicago and Indianapolis shows. Eggs, \$2.00 per setting. Kakuska, Berwyn, Ill. 3-5

**FAMOUS HOUDAN** eggs, day-old chicks, cockerels; very fine. Catalog with photographs for stamp. R. A. Troth, Orleans, Ind. 2-4

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**FAULTLESS HOUDAN EGGS,** McAvoy strain, \$2.50 per 15, \$4.00 per 30; trapnested, bred 21 years for heavy egg production. N. Mack, Loyal, Wis. 3-5

**HOUDANS, AS THEY SHOULD BE!** More firsts Pittsburgh Fanciers', Ridgway, Williamsport, Pittsburgh Exposition than all competitors. Cockerels, Eggs, Circular free. Dr. H. E. Dunne, Center St., Ridgway, Pa. State Vice President American Houdan Club. 3-5

**PINCKNEY HOUDANS** excel for fancy or utility. Mating list free. Mrs. E. A. Trueblood, Route No. 9, Box 18, Salem, Ind. 3-5

**HOUDANS, SUPERIOR STRAIN.** Fifteen eggs \$1.00. Weber Bros., Maugansville, Md. 3-5

**HOUDANS EXCLUSIVELY** since 1895. Choice lot cockerels for sale. Eggs, \$3.00 per 15; \$5.00 per 30; \$15.00 per 100. From best stock. Louis Falter, Newton, Ill. 2-4

**HOUDANS**—The hen that lays is the hen that pays. Why not buy Houdan eggs, \$1.00 per 13. H. Merriam, Ashburnham, Mass. 2-4

**FAULTLESS HOUDANS**—McAvoy strain. Best layers and most prolific strain of fowls bred. Eggs from my select pen, \$5.00 per setting. Good birds for sale. F. M. Griffith, Wayne, Neb. 2-4

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**"BADGER STRAIN" HOUDANS** are practical business birds, layers and winners. Write for our illustrated literature today. W. R. Bridgman, Wautoma, Wis. 11-4

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**MAX PETERS' SILVER SPANGLED** Hamburgs, blue ribbon winners wherever shown. Cockerels and trios for sale at reasonable prices. No eggs are for sale. Max Peters, Forest Glen, Ill. 3-5

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**SILVER SPANGLED HAMBURGS.** Utility and exhibition. Winners leading shows. Circular. Frank Heilman, North Judson, Ind. 3-5

**SILVER SPANGLED HAMBURGS** bred from show winners. Stock, \$1.00 to \$5.00 each. F. M. Wright, Lyons, N. Y. 3

**SILVER SPANGLED HAMBURGS,** line bred for 30 years. Eggs and stock for sale. Eggs \$3.00 for 15; \$5.00 for 30. S. S. Rich, Horicon, Wis. 2-5

**SILVER SPANGLED HAMBURGS**—Stock and eggs for sale. Also White Plymouth Rock eggs. Mrs. Geo. Schleicher, R. R. 3, Belleville, Ill. 2-4

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**STANDARD BRED SILVER SPANGLED HAMBURGS.** Best, \$1.50 setting. Cockerels, \$1.50. E. V. Root, Bangor, Mich. 2-4

**SILVER SPANGLED AND BLACK HAMBURGS**—Originator of the "Black Diamond" strain. First cockerel, first pullet Madison Square. More firsts and specials at Columbus, Detroit, Mansfield, Greenwich and New London than all competitors. Also at Madison Square Dec. 1911, on two entries, 2nd cock, 2nd hen. Eggs, \$3.00 per 15; \$5.00 per 30. Will L. Clark, Sullivan, Ohio. 2-1f

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**BUCKEYES EXCLUSIVELY** since 1904. Originator of the Mahogany Red strain. Setting, \$3.00. J. C. Steitz, Warehouse Point, Conn. 3-5

**BUCKEYE WINNING** FIRST prize Chicago and Detroit. Eggs, Pen No. 1, \$5.00 setting; Pen No. 2, \$3.00 setting. C. A. Doelle, Crosswell, Mich. 3-5



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BUCKEYES, WINNERS MADISON SQUARE, Boston, Cleveland, Washington, Scranton. Catalogue free. Lindley Place, Mesboppen, Pa. 3

WEISBERG'S QUALITY BUCKEYES, the leading strain of the best breed. Hardy winter layers, broilers practically free from pin feathers. Free catalogue. A. H. Weisberg, Nevada, Mo. 3

BUCKEYES, Twelfth year. Quality. State fair first. Gardner Dunning, St. Marys, Ohio. 2-4

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IMPROVED SILVER CAMPINES—Stock and eggs. Rev. W. Berberich, Groton, N. Y. 3-5

SILVER AND GOLDEN CAMPINES. Stock and eggs for sale. Finest Campine catalogue published, free. E. B. Benson, Randall, Iowa. 3-4

SILVER CAMPINES. Eggs, \$3.00 per 15; \$5.00 per 30. Stock for sale. Orpington Farm, Randall, Iowa. 3-4

IMPROVED SILVER CAMPINES—Imported Jones and Kennedy stock. Mating list. \$5 and \$3 fifteen. Frank Leslie, Niagara Falls, Canada. 3-5

TWELVE MATED PENS. Nine years a breeder of BUCKEYES. Eggs \$1.50, \$3.00, \$5.00 per 15. Baby chicks. Order now. Highland Poultry Farm, Box A, Nevada, Mo. 3-5

EGGS, SILVER CAMPINES. Imported English type. Great laying strain. C. Sharer, Decatur, Ill. 3

CAMPINES, JACOBUS Improved Silver and Golden Campines. Original introducer of the Improved Campines into America. Don't waste time hunting up my display advertisement, but write for circular giving full information. M. R. Jacobus, Box 3-J, Ridgefield, N. J. 3

HAVING MATED UP several pens of Silver Campine Jacobus strain direct. Offering eggs for sale very reasonable. Fertility guaranteed. Member American Campine Club. Louis Watermann, New Bremen, Ohio. 3-5

EGGS FROM IMPORTED English Silver Campines, four dollars per fifteen. Edward Buss, Janesville, Wis. 3-5

EGGS \$4 15. Silver Campines. Oak Grove Farm, R. No. 34, Box A, Peoria, Ill. 3-5

IMPROVED SILVER CAMPINES. Limited number settings, \$6.00 fifteen (twelve guaranteed fertile). Reserve now. Everfresh Egg Farm, Ionia, Mich. 3

SILVER AND GOLDEN CAMPINES. Finest imported stock. Eggs, \$3.50 a setting. L. Peck, Nyburg, Colo. 3-5

SILVER CAMPINE eggs for sale. Althoff Bros., New Bremen, Ohio. 3

SILVER CAMPINES. IMPROVED Silver and Golden Campines. "Imported" stock and eggs for sale. Catalogue free. Klager's Poultry Yards, Hespeler, Ont. 3-8

SILVER CAMPINES. LIVING egg machines. The poor man's friend. Satisfaction guaranteed. F. Young, Lawrence, Mich. Importer and Breeder. 3-5

WHY I KEEP CAMPINES. Circular tells. Hatching eggs from Silver Campines of quality, \$6.00 per 15. Charming trios for sale reasonable. Bayerdorffer, Oakwood Heights, Staten Island, N. Y. 3-5

SILVER CAMPINES. Jacobus strain. None better. Eggs reasonable. Henry Heitkamp, New Bremen, Ohio. 3-4

CAMPINES—Five settings from \$350.00 pen imported winners at \$10.00 for 15 eggs. First orders recognized. L. Brackett, Hopkins, Mich. 2-4

IMPORTED SILVER CAMPINE prize pens which produced recent Crystal Palace winners. Limited number of sittings booked. Overlook Poultry Farm, Monsey, N. Y. 2-4

SILVER CAMPINES won 1st, 2nd hen, 1st cockerel, 2d and 3d pullet at Tristate Poultry Show, Jan. 6, 1912-13. Eggs from this pen, \$7.00 for 15. J. C. White, Weston, Ohio. 2-4

SILVER CAMPINES (Jacobus strain). Eggs from prize winning birds, \$3.00 per 15. Patrick Delaney, 402 Maple Ave., Du Bois, Pa. 1-3

GOLDEN AND SILVER CAMPINES—Mrs. Carver will sell a limited number of settings from two special matings at very reasonable prices. The same high standard of mating and breeding of this wonderful variety will be maintained for which this farm is noted. Address Mrs. Pearl Carver, care Carver's Red Farm, Seville, Ohio. 1-13-14

SILVER CAMPINES, the coming egg machine for America. We have birds imported from Pev. Jones, and our own raising. Order eggs early. Last season we were sold out in March. Ridge Egg Farm, R. F. D., West Nyack, N. Y. 1-3

CAMPINES—FOR KENNEDY'S IMPROVED Champion strain see advertisement on back cover. 7-12-14

## SPANISH.

WHITE FACE BLACK SPANISH. Eggs, \$1.50 and \$2.50 per setting; \$3.50 per fifty. Mrs. Hattie Tyler, Fairview, Kan. 3-4

"AMERICA'S BEST" White Face Black Spanish. Eggs for hatching. Illustrated catalogue free. M. H. Lindsey, Box A, Northville, N. Y. 3-5

WHITE FACE BLACK SPANISH. eggs, 15 for \$1.50; 30 for \$2.50; 100 for \$5.00. Good stock for sale. Lonella E. Jaqua, Portland, Ind. 2-5

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EXTRA BIG BONED, greenish glossy, black eyed Black Langshan, scored, \$2.50 and \$5.00 each. Eggs 15 cents each, guaranteed. Osterfoss Poultry, Hedrick, Iowa. 2-5

BLACK LANGSHANS eggs, \$1.50 per 15. Mrs. Laura Thrash, Tolono, Ill. 3

BLACK LANGSHANS. Won at Indianapolis, 1912, 1st cock; January, 1913: 1st, 3rd hen, 1st pullet, 2nd cock, 5th cockerel; February, 2nd cock. Fifty farm raised cockerels, 200 pullets and hens for sale reasonable. Eggs, \$2.00, \$3.00, \$5.00 per 15. Satisfaction guaranteed. Chas. Jacobson, Attica, Ind. 3-5

SUPERB PRIZE WINNING Black Langshans. Fifteen eggs \$1.00. Lorenz & Co., Springvalley Farm, Perryville, Mo. Members National Black Langshans Club. 3

WHITE LANGSHANS. Bred from the first prize cockerel of Ohio, Indiana and Kentucky State fairs. Pens, \$10.00 and \$12.00. Eggs by the setting or hundred. Cedar Lawn, R. 2, Rutland, Ohio. 3-5

BLACK LANGSHANS—high scoring birds. Fifteen eggs, \$1.25; 30, \$2.25. Joseph Grims, Archbold, Ohio. 3

BUFF LANGSHANS—We have 'em, and winners, too. Imported them from England. Got blue ribbons at Chicago and Boston this winter. No stock, only eggs to offer. Daniel S. Fling, Mgr., 1427 Howard St., Chicago. 3-5

BLACK LANGSHAN EGGS, \$1.50 per 15. Springdale Farm, Burnt Prairie, Ill. 3-5

WHITE LANGSHANS. Always win first prizes. 28 eggs \$1.80. Geo. McCague, New London, Ohio. 3-5

BLACK LANGSHANS. Eggs, \$1.00 and \$2.00 setting; \$5.00 100. Barker strain. Golden Gate Farm, Lafayette, Ind. 3-5

WHITE LANGSHANS that win the blue. If there were any better I would have them. Stock and eggs. C. Leitnaker, Basil, O. 2-4

HIGH SCORING Black Langshans, 15 eggs \$2.00; 30, \$3.00. Levi Fishel, Dillsburg, Pa. 2-4

BLACK LANGSHANS—WINNERS at Sevikley, McKeesport and Pittsburgh exhibitions. Eggs, \$2.00 for 15. Choice cockerels for sale. E. G. Porter & Son, 1400 Chappel Ave., Banksville, Pa. 2-3

BLACK LANGSHANS, Monarch strain. The kind that win and lay. Eggs for hatching. Choice cockerels for sale. Write. Leo A. Gartman, Oshkosh, Wis. 2-5

BLACK AND WHITE LANGSHAN—Large cockerels cheap; eggs \$2.00. Your money's worth or your money back. Clifton Dixon, Bloomfield, Ind. 1-3

## COCHINS.

15 GRAND BUFF COCHIN cock birds and several cockerels, fit to win at any show. Also a few hens and pullets, a few grand birds in White, Black and Partridge Cochins for America's greatest strains. Cochins Home, Dundee, Minn. 3-4

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DUCKS.

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300 NOTE HEADS, Envelopes, cards, all \$1.00, or 600 for \$1.75. We print everything. Express prepaid. We don't print trash. Cuts furnished. A-1 quality, samples free. Rubber stamps, etc. Typewriters, all makes, \$10.00 and up. Typewriter ribbons and carbon paper. Office supplies. "Tom" Clark & Company, Michigan City, Indiana. 2-5

ILLUSTRATED POULTRY PRINTING: 100 Noteheads, 100 Envelopes and 100 Cards neatly printed to your order for \$1.00 postpaid. Samples for stamp. Union Publishing Co., Dept. 6, Uniondale, Ind. 3-4

COLOR PRINTING—Quality work, low prices. Samples, stamp. Enterprise Company, Gowanda, N. Y. 3

PRINTING. High quality, low prices prepaid. Free samples. Porter Printing Co., Dept. A, Campbell Hill, Ill. 2-4

## GUINEAS.

FANCY WHITE AFRICAN GUINEAS at \$5.00 per trio. Satisfaction guaranteed. M. E. Beman & Son, Thurman, Ohio. 2-4

Guinea Pigs—Guinea Pigs, Flemish Giants, Belgian Hares, Angora Rabbits, Pheasants and Pet Stock. Poughkeepsie Rabbitry, 22 Gate St., Poughkeepsie, N. Y. 2-4

WHITE AFRICAN GUINEAS, \$1.75 each. Honey Creek Poultry Farm, Kahoka, Mo. 1-2

## FERRETS.

FERRETS, BOTH WHITE and brown; over twenty years' experience. Small rat and rabbit ferrets a specialty. Price list free. Levi Farnsworth, New London, Ohio. 1-3

## WANTED.

WANTED—PRACTICAL POULTRYMAN that can make poultry pay. White Leghorns. Private estate, 1500 birds. Wages or share basis. Address, Poultry, this paper. 1-3

WANTED—POSITION ON POULTRY farm by young man. Experienced. Otto Meyer, Okolona, Ohio. 3

WANTED—POSITION on poultry plant by young man. Experienced. S. Meyer, St. Francis, Wis. 3

SEND 25c STAMPS for year's subscription to "Practical Poultry Advertising and Printing." You need it. Published monthly by Lake Shore Printing Company, Glencoe, Ill. Producers of Superior Poultry Printing. Samples free. 2-4

AUSTIN PRINTING COMPANY, Nicholsville, N. Y. Makers of Printing that sells your product. Catalogue and samples free. 2-4

REAL ESTATE WANTED—Sell your property quickly for cash, no matter where located, particularly free. Real Estate Salesman Co., Dept. 66, Lincoln, Neb. 1-3

WANTED—THOROUGHbred POULTRY, especially Runner ducks, White Minorcas, Partridge Rocks, Spanish, Andalusians, and crested Polish. Will buy entire flocks. Now is the time to clean out in changing breeds. Paul Frehse, Thoroughbred Poultry Dealer, Clarinda, Iowa. 2-3

WANTED TO BUY—1,000 pair of Carneaux pigeons, and a large number of Homers, both white and colored. Matthew Mertz, 907 W. 15th St., Des Moines, Iowa. 2-3

## FOR SALE.

TWO CYCLE BROODER hatchers; three. Brooders, cheap. Henry Junsen, Munasquan, N. J. 3

FOR SALE—BRAND NEW 390-egg Cyphers incubator and two brooders; never used. Mrs. Karl Spear, Conewango, N. Y. 3

FOR SALE—One 220 Buckeye Incubator, three International Sanitary Hovers and one Humphrey bone cutter. Address H. L. Hall, Jr., 1217 Lawrence Ave., Chicago, Ill. 3

FOR SALE—20 ACRES; new buildings, sandy loam soil, excellent drainage; some timber; 73 miles from Chicago; price \$3,250.00. E. Abwender, Three Oaks, Mich. 3

FOR SALE—2 Cyphers incubators, 390-egg, at \$20.00; 1 Victor incubator, 200 eggs, \$10.00; 2 largest size Cyphers Col. brooders, at \$10.00; 1 pair State Col. brooders, at \$5.00; 3 Universal hovers, \$10.00; 2 revolving egg cabinets, \$5.00; 6 Cornell feed hoppers, \$6.00; 15 Cornell trap nests, \$8.00; 6 Cornell egg hoppers, \$1.50; 40 S. C. Buff Orpington hens (Owens strain), \$50.00. Five per cent discount on lot. A. R. Weisgerber, Mannington, W. Va. 3

## BUSINESS CHANCES.

IF WE WOULD give you a 40-acre farm free, along our line of railroad, would you be willing to tell your friends about our land opening? For particulars address Mr. J. B. Clark, Land Commissioner, Live Oak, Perry & Gulf Railroad Company, Box 161, Live Oak, Florida. 3

FREE—INVESTING FOR PROFIT MAGAZINE. Send me your name and I will mail you this magazine absolutely free. Before you invest a dollar anywhere—get this magazine—it is worth \$10 a copy to any man who intends to invest \$5 or more per month. Tells you how \$1,000 can grow to \$22,000—how to judge different classes of investments, the Real Earning Power of your money. This magazine six months free if you write today. H. L. Barber, Publisher, R. 469, 20 W. Jackson Blvd., Chicago. 12-5

## R. C. RHODE ISLAND REDS S. C. WHITE ORPINGTONS

At Toledo and Cleveland Shows, 1913, fifteen entries all told, we won three 1sts, three 2ds, four 3ds, two 4ths and best local cockerel. Our breeding pens contain above birds together with sons, daughters and brothers of Madison Square 1st prize winners. Eggs and baby chicks, hatching now. While they last we will sacrifice offspring from above stock. Pullets in groups of (not fewer) three, \$4 to \$6; five, \$7 to \$10; ten, \$12 to \$20. Cockerels, \$3 to \$15. Pairs, trios and pens from \$5 to \$15. Send your price and wants and we will ship the birds. First come first served.

Parsons' Poultry Plant, P. O. Box 42, Avon Lake, Ohio



# Illustrated Breeders' Cards

**RATES for Illustrated Breeders' Cards:** 40-word card, with small sized illustration (to be furnished by us), \$2.50 per month for less than one year; \$24 per year, payable quarterly in advance. Words in excess of forty, seven cents extra per word per month. Numbers and initials count as words. Copy for advertisements, plainly written, should reach this office by the 15th of the month preceding date of issue. In answering these advertisements please mention AMERICAN POULTRY JOURNAL.

## Almendinger's Rose Comb White Leghorns

Win at the leading big shows. Great layers, choice breeders for sale. Eggs for hatching. Mating list free. A. E. Almendinger, 122 Park St., Buffalo, N. Y.



**SUNNYBRAE COLLIES FOR SALE:** also White Orpington eggs, \$2 for 15. The collie is the dog for the poultry yard, alert, intelligent, watchful. Also book on training, 25 cents. F. R. Clark, Bloomington, Ill. 5-12-1 yr

**FIFTY VARIETIES OF FINE THOROUGHbred poultry.** Cochins, Brahmas, Langshans, Rocks, Wyandottes, Houdans, Orpingtons, R. I. Reds, Leghorns, Polish, Hamburgs, Spanish, Ducks, Turkeys, Geese, Incubators and Brooders. Large illustrated catalogue mailed for 4c.

C. M. ATWOOD

Box A7, Dundee, Minnesota

9-11-3yrs



**48 BREEDS,** fine pure bred Chickens, Ducks, Geese, Turkeys, Guineas. Northern raised, hardy and beautiful, 6,000 prizes. Fowls, eggs, incubators at low prices. America's finest poultry farm. Large catalogue mailed for 4c. Alf. A. Ziemer, Austin, Minn. 11-6



**DAY OLD CHICKS, FIVE VARIETIES,** all pure bred stock, chicks that live and grow. We can supply any quantity and the best quality. Satisfaction and safe arrival guaranteed. Write for price list. The Reliable Hatchery, Box 1014, Benton Harbor, Mich. 3-1



**GENUINE IMPORTED WALTONS** Indian Runner Ducks. The world's best. First at world's greatest shows including London, Madison Square, Boston. Greatest egg record. Pure white eggs, \$1.00, \$3.00 and \$5.00 for 12. Mrs. Sanford Burnett, Jefferson City, Tenn. 1-3



**CHICKS—Have shipped thousands** each season since 1904. Different varieties, Leghorns, Reds, and Anconas will be our leaders. Allow us to send our booklet and testimonials from satisfied customers. Freeport Hatchery, Box A, Freeport, Mich. 12-1



**WHITE LANGSHAN, CRYSTAL** White Orpington, and Partridge Rock eggs from my prize winners at the Missouri State Poultry Show, Springfield. Langshan—1st cockerel, 1st hen, 1st pullet. Kellerstrass Orpington—2nd hen, 2nd pullet. Keen competition. 1 have birds of quality mated correctly. Mating list free. Satisfaction guaranteed. Henry Brockschmidt, Freistatt, Mo. 2-4



**GOLDEN WYANDOTTES—COCK** erels and pullets for sale, from an excellent laying strain; also Shepard's strain Single Combed Anconas—the world's best layers. Mating list free showing our full winnings. Satisfaction or money refunded. The Western Reserve Poultry Farm, Warren, Ohio. 1-13-1yr



**60 VARIETIES FANCY POULTRY.** Geese, Ducks, Chickens, Turkeys, Pea Fowls, Guineas, Pheasants, Pigeons and Rat Dogs. Incubators, brooders and poultry supplies. Stock and eggs cheap all times. New 60-page catalogue, 2c. F. J. Damann, Farmington, Minn. 11-12-1yr



**BARRED ROCKS, BUFF LEG** horns, Lakenvelders. My pens are mated to produce the very best of exhibition stock. Remember when you order eggs you get them from those matings. Eggs \$2.00 and \$3.00 per 15. P. W. Oberholzer, Terre Hill, Pa. 2-4



**WHITE WYANDOTTE EGGS \$1.50** per 15, \$3.00 per 50, \$5.00 per 100. S. C. Buff and White Orpington eggs \$2.00 per 15 straight. Wyandotte baby chicks 15c each. Orpington baby chicks 25c each. Bronze turkey eggs 35c each. O. J. Austin, Box A, Pana, Ill. 2-4



**BABY CHIX, BARRED PLYM** outh Rocks, Mammoth Incubator hatched. Parks bred to lay strain from healthy free range stock. Why buy eggs when chix are more satisfactory. Order early to avoid disappointment. \$12.00 per 100. H. Taylor, Berlin, Maryland. 2-3



**R. C. REDS—PRIZE WINNERS.** Sired by 1st prize Chicago cock, 1911. Have won for me and will win for you. The best of winter layers. Eggs \$2, \$3, \$5 per 15. R. F. Brunner, Marquette, Mich. 2-3



**I HAVE EGGS FOR HATCHING** from Kellerstrass S. C. White Orpingtons at \$2 per setting of 15 eggs, and Rose and Single Comb R. I. Reds at \$1 per setting of 15 eggs. W. H. Park, R. D. 1, Freedom, Pa. 5-12-1yr



**MERRY'S WHITE WYANDOTTES,** "The Kind That Pay Because They Lay." Eggs \$1.50 per 15, \$8.00 per 100. If you wish the best at these reasonable prices, write Wayne A. Merry, Benton Harbor, Mich. 2-1



**BREEDERS, ATTENTION!** I have secured stock from the foremost breeders in America and because of our mild climate I am prepared to furnish you birds in advance of any you can produce in all the leading varieties. Write your wants. Feliciano Ferreira De Moraes, Campinas, S. Paulo, South America. 12-12-1-yr



**BARRED ROCKS—Farm** raised pure bred, healthy and vigorous; 100 acres of range. Cockerels and pullets for sale; eggs in season. Stock and prices right. Satisfaction guaranteed or money back. F. H. Apple, Farmersville, Ohio. 12-12-1yr



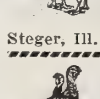
**SINGLE COMB BUFF ORP** ingtons. Type, color and size. Line bred for ten years. My winnings prove there is no better strain in the Central West. 15 eggs, \$10.00, \$5.00 and \$3.00. T. M. Davis, 2421 N. Madison Ave., Peoria, Ill. 3-1



**MAMMOTH BRONZE TURKEYS.** As large as you want. Fancy plumage with the rich burnish so much desired by fanciers. Flock healthy. Prompt shipments. Miss Sallie Cox, New London, Route 1, Mo. 3-13-1yr



**STOCK, EGGS AND CHICKS OF** quality S. C. W. Leghorns. (Parkside) W. Wyandottes. (Duston) S. C. Reds (Red Keenan). High scoring and extra good winter layers; 15 eggs, \$1 up; 25 chicks, \$4 up. Write S. R. Engstrand, Steger, Ill. 3-13-1yr



**EXTRA BRONZE TURKEY TOMS.** Toulouse ganders, Pekin drakes. Eggs for hatching. Indian Runner Ducks, Barred Rocks, White Wyandotte, Embden geese. White guineas, 40 pairs. Eggs. Write wants. Satisfaction or refund. Bert McConnell, Ligonier, Ind. 3-1



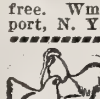
**S. C. WHITE LEGHORNS. EGGS** from best utility pens, \$2.00 per 15; from exhibition pens, \$5.00 per 15. Felix L. Sturm, Viropa, W. Va. 3-2



**CREVOISERAT'S SINGLE COMB** Buff Leghorn at 35 exhibitions won 232 premiums. Eggs and chicks from eleven matings, containing winners at Madison Square, Philadelphia, Palace, Boston, Williamsport, Allentown, etc. Mating list E. Crevoiserat, 34 Mill Road, Freeport, N. Y. 3-13-1yr



**BRED-TO-LAY WHITE ORP** ingtons—Eggs, \$1.50; 30, \$2.75; 60, \$5.00. Stock for sale. A. M. McCubbin, Riverdale, Md. 3-2



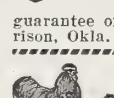
**SEND FOR CIRCULAR—MAINE** bred stock. Before buying eggs or chicks from R. I. Reds, B. F. Rocks, White Leghorns or White Runner Ducks. Few choice cockerels. Best stock at low prices. Satisfaction guaranteed. Oak Hill Poultry Co., Winterport, Maine. 3-1



**WHITE PLYMOUTH ROCKS.** Farm raised, from prize winning stock of the Bickerdike strain. Eggs, \$5.50 per 100. Also large White Holland turkeys. Eggs, 25c each. Satisfaction guaranteed. C. F. Long, Waggoner, Ill. 3-1



**IMPORTED WHITE ORPINGTONS** direct from England. Mated by acknowledged expert, owner best stud that country. True Orpingtons. Get acquainted. Eighteen eggs Seven-fifty; second pen, Five. Limited list. Booking now. Positively guarantee order. Baby chix. E. M. Reid, Morrison, Okla. 3-1



**ORPINGTONS—Owing to the** high cost of living we will make prices on stock for next sixty days to fit your pocketbook. Stock in Buffs and Whites for any show, and breeding birds equal to any you can find. Single birds and pens, or any number. Hundreds to select from. Write stating just what you want. Stock on approval and every sale made on a guarantee. Twelve years breeding Orpington only. Brookdale Farm, Hillsdale, Mich. 11-12-1yr



**WHITE ROCKS OF RARE QUAL** ity. Winter layers. Best Rock cockerel, all varieties, Canton. All firsts, Akron, 1912, 2d pullet, 4th cockerel, 2 entries, Cleveland, 1913. Stock, eggs, baby chicks. Low prices. A. P. A. and Club member. Van Rensselaer, Kent, Ohio. 3-1



**EVERLAY SINGLE COMBED AN** conas. Best layers. Eggs from first pen headed by second cock at Cleveland's latest show, \$4. Second pen, fine cockerel, \$2 per setting. Booking orders now. Satisfaction guaranteed. W. H. Grass, S. Laird Ave., Warren, Ohio. 3-1



**SINGLE COMB RHODE ISLAND** Rocks win, lay and pay. At Champlain won first and second cockerel, second pullet, first pen, largest and best display, highest scoring male bird. Eggs Five Dollars setting. J. F. Craig, 1119 Grant St., Danville, Ill. 3-1



**PARTRIDGE AND BARRED** Rocks—Winners of 36 prizes and 6 specials the past season at the best shows in New England, including Boston. Splendid cockerels, \$8 and \$10. Eggs, \$2.00, \$3.50; \$5.00 per 15. Wm. E. Denis, Central Village, Conn. 3-3



**OUR LIBERAL OFFER STARTS** you raising Single Comb Black Birds, Ancona and Single Comb Brown Leghorns. Baby chicks and eggs. We pay express. Write today for our offer. Jersey Leghorn Farm, Syracuse, N. Y. 3-1



**EGGS! EGGS! FOR HATCHING,** from good winter laying strain and prize winners. Single Comb White and Black Minorcas, Single Comb Brown Leghorns and White Wyandottes; also White and Black Minorca cockerels. Write for prices. C. Jackson, Box M, Buchtel, Ohio. 5-13-yr



**LOGAN'S ANCONAS WON 11** firsts, 6 shows, season 1911, and 5 firsts 3 shows 1912. At State meet, 4 firsts against Camden, etc., winners. Dark variety. Wonderful layers. Stock and eggs reasonable. P. W. Logan, Woodbridge, N. J. 3-1



**MY PENS OF COOK STRAIN S. C.** White and S. C. Buff Orpingtons are all headed by sons of first prize winners at New York, Philadelphia, and Allentown. Eggs from all pens Five Dollars per 15. Bernard L. Davis, Easton, Mass. 3-1







**BABY CHICKS—TWELVE VARIETIES**, standard bred, farm raised, prize winning, great winter layers. Leghorns, Orpingtons, Wyandottes, Rhode Island Reds, Plymouth Rocks and Houdans. Ten to 35 cents. Eggs \$1 to \$3. Six-week-old pullets, catalog. Leon L. Hough, Box 28, Canisteo, N. Y.



**MY BIRDS LAY ENORMOUS** Chalk White Eggs. Raise breeders now to supply the great boom already started on Campines; greatest utility fowl ever bred; lay largest, whitest and most eggs ever laid by hens; stand closest confinement. No one can start now on Campines without making money. I. Putnam, 909 Water, Elmira, N. Y.



**BUSINESS BRED WHITE WYANDOTTES**. The best heavy laying exhibition stock in the world for the money. My mating list gives the proof; it's free. S. L. Todd, R. R. 1, Green Forest, Ark.; formerly Villa Grove, Ill. 3-13-1yr



**ROSE COMB REDS (BUSCHMANN Strain)**, non-fading. Heavy winter layers, large and vigorous. Eggs from pens of blue ribbon winners \$2.00 per 15; \$3.50 per 30. Range eggs \$5.00 per 100. Fertility and square deal guaranteed. Brookside Farm, Albion, Ill. 3-2



**TWENTY-FIVE VARIETIES OF** fine thoroughbred poultry—Rocks, Wyandottes, Brahmas, R. I. Reds, Ducks and Geese. Prices right. Satisfaction guaranteed. If you want Quality, write me. Stock and eggs for sale. E. L. Otto, Florence Station, Ill. 3-3



**WE ARE NOW BOOKING ORDERS** for day-old chicks and ducklings. "Vigorous Kind" Leghorns, Barred Rocks, Reds, Brahmas, Wyandottes, Orpingtons, Pekin Ducklings. All breeds standard, free range, pure bred. 8 cents up. Custom hatching. Catalogue. Houck's Hatchery, Tiffin, Ohio, Dept. A. 3-1f



**TWO HUNDRED S. C. BUFF LEGHORN** breeders must be sold before March 20. Your opportunity is here. Trios \$9. Pens \$14. Prize winners thirteen years. Chicks \$3 doz.; \$20 hundred. Eggs 10c each. Book your order. James Kugler, Jr., Frenchtown, N. J. 3-3



**WHITE WYANDOTTES—REGAL Strain**. My first pen is headed by a high priced cock direct from Martin. Eggs \$2 per 15 and guarantee nine chicks, or duplicate order free. Five choice pens for the trade. Henry R. Jones, Derby, N. Y. 3-13-1yr



**THE NATIONAL POULTRY FARM**—breeders of W. Orpingtons and S. C. R. I. Reds. Eggs and day-old chicks for sale, from Madison Square Garden winners. Prices right and satisfaction guaranteed. H. G. Clark, 1115 W. Sandusky Street, Findlay, Ohio. 3-3



**ANCONAS, WON SILVER SHIELD** at Buffalo in largest class of Anconas ever exhibited there. Also first prize winners at other large shows. Eggs \$2 to \$5. Send for mating list. C. F. Wheelock, Hamburg, N. 3-3



**WHITE WYANDOTTE EGGS** from ten mated pens of first prize winners at Sioux City, Des Moines and Omaha. Exclusive breeder of White Wyandottes since 1893. We furnish the winners at shows in central west. Oscar L. Bock, Council Bluffs, Iowa. 3-13-1yr



**VALENTINE RANCH. "THE Wright White Orpingtons."** Largest breeders in the Northwest. Eggs for hatching. Baby chicks. Fancy and utility stock. Send for illustrated catalogue. Douglas H. Wright, owner; O. C. Thompson, supt. Box No. 2, New Brighton, Minn. 3-1



**BREEDER OF BICKERDIKE** strain for six years. January 30, 1913, I purchased of Mr. Bickerdike sixty hens, best quality. Pen Eggs, \$6.00 per setting; utility, \$7.50 per 100. Eggs reasonable considering quality. Replace in free. Fred Delhi, Morrisonville, Ill. 3-13-1yr



**FAIRACRES FARM—TOGGENBURG, Saanen, Milkers and Does in Kid, Pea Fowls, Swans, Mink.** Stamped envelope. Fairacres Farm, Joliet, Ill. 1-6

## WHITE ROCKS

Am offering a limited number of eggs from these trap-nested layers at \$3.50 per 15. Cockerels, \$3.00 each. H. A. Jacobs, R. 36, Peoria, Ill. 11-12-1yr

## BABY CHIX S. C. WHITE LEGHORNS

Hough Egg Farm, Box 2, Far Hills, N. J.

## EGGS BY PARCEL POST

Our cases are light weight, very strong, low priced. Made double strength for long distance and rough handling. Write for description and prices or send 15c for sample, postpaid. SAFETY MAILING CASE CO., Hannibal, Mo.

## 1912 Record \$10 Profit Per Hen

KELLERSTRASS WHITE ORPINGTONS (\$100 Pen; \$30 Settings) 60 prizes; specials 1913. Best display two classy shows. Free catalogue; breeding information settings prepaid. E. Hutchinson, D. C. V., Pres. Am. White Orp. Club, Brookland, D. C. 3-1

## WHITE WYANDOTTES

Best quality Cocks, Cockerels, Hens and Pullets of the best breeding, size, shape and color. Every one right. Eggs, \$1 and \$2 per 15. \$5 and \$10 per 100. Correspondence invited. Satisfaction guaranteed. M. W. Grigg, Bushnell, Ill. 3-1

## S. C. WHITE ORPINGTONS

Exclusively. Won 18 firsts this season. Eggs from prize winners, \$3 and \$5 till March 1st. A few Cockerels left at \$3 and \$5. Trios and Pens in proportion. Order at once. Duncan Orpington Yards, Seaton, Ill. 3-13-1yr

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Eggs, 5c; Chicks 10c; Ducklings 20c; in 100 lots. Get free illustrated circular for full prices. W. Leghorns, Barred Rocks, Runner Ducks, Light Fawns, also English Pencilled. All white eggers. Winners too, at Burlington, Iowa and Galesburg, Ill. 16 ribbons. Males yet. R. O. Dickson, Premium Poultry Farm, La Harpe, Ill., Box 73. 1-13-1yr



**BABY CHICKS OR EGGS—PLYMOUTH Rocks, Reds, Leghorns, Anconas, Minorcas, Langshans, Orpingtons, Cornish Indian Games, Wyandottes, Indian Runner Ducks, Embden Geese.** Also twelve varieties of Bantams. Best blood lines properly mated. Send for catalogue. Talbot's Twin Oaks Farms, Sargents, Ohio. 1-3

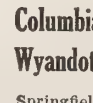


**PARTRIDGE ROCKS**. ALSO COLUMBIAN, SILVER Pencilled and Barred of high class. J. A. HAGEMAN, President Partridge Plymouth Rock Club, Box A, Charlotte, Michigan. 12-12-1yr

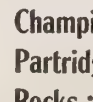


**ENGLISH ORPINGTONS**. BLACK, WHITE, B U F F Rose and Single Comb. Males \$5 to \$10; females \$3 to \$5.

JNO. A. HAGEMAN CO. 12-1y Box A, Charlotte, Mich.



**Columbian Wyandottes**. WINNERS AT ILLINOIS STATE Show, 1913: 1st and 2nd cock, 1st and 2nd hen, 2nd and 3rd pullet, 2nd pen, and at leading western shows the past ten years. Everything as represented. Send for circular. J. A. Leland, R. R. 2, Springfield, Ill. 2-13-1yr



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**Baby Chicks**. BABY CHICKS, 10 TO 15c; EGGS, \$5.00 to \$6.00 per 100. Rhode Island Reds, White and Columbian Wyandottes, Buff and White Orpingtons, Barred Rocks, White Leghorns, Pekin and Runner Ducks, Bourbon Red Turkeys. Catalogue free. G. A. Mitchell, Freeport, Ill. 2-13-1yr

## CORNING PULLETS and BREEDING COCKERELS

The finest we have ever produced. A limited number for sale. Write for free illustrated booklet and prices. The Corning Egg Farm, Bound Brook, N. J.

## Rose Comb Black Minorcas

Our winnings for 1913 on two entries at Madison Square Garden, 1st cockerel, 19 competing. At the Club show at Boston, on four entries, 1st cockerel, 1st pullet, 5th hen and 13 specials. Head points and low carried tails our strong points. Stock and eggs for sale.

H. A. Keister, R. F. D. 3, Bangor, Mich.

## S. C. Buff Leghorns

A strain of Laying and Exhibition Quality. Winners of 15 firsts, 3 seconds, 2 thirds and 25 specials at New Haven, Bridgeport, Waterbury, Middletown, Conn., and Springfield, Mass., latest shows. Eggs, \$2, \$3, \$4 and \$5 per 15. A guarantee of quality for the price cannot be beaten.

Edw. J. Young, 391 Pratt St., Meriden, Conn.

## 70 EGG INCUBATOR AND BROODER \$7.85



Both complete with all fixtures. Walls have three thicknesses—two thicknesses of lumber and one thickness of insulating material. Copper tank and heater, self regulating. Sold under guarantee which protects you. Order now or send for circular. We also make Rause's Perfection

Brooder. Ask us. Turrell's Incubator Works, Maywood, Ill.

## UNIVERSAL RAT EXTERMINATOR

One rat kills more chicks in a night than a hen hatches in three months. If you use our rat and mice exterminator and follow directions we guarantee it will rid your premises of rats in 48 hours. The success of this poison is the bait, more tempting than cheese—rats hunt for it. No odor from dead ones, the mixture embalms them. To introduce it we offer a 50c box for 25c till May 15th. Stamps taken. Agents Wanted. The Universal Co., Dept. A, Hinsdale, Ill.

## S. C. White Orpingtons Silver Campines

Big winnings on Orpingtons at Rockford and Duquaque shows. Eggs, \$5 to \$20 per 15. Utility eggs by the hundred. Imported pen of Campines. Limited number of eggs for sale.

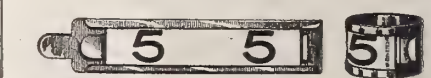
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## Agler's S. C. Reds

Five grand pens, forty-seven excellent breeders. Cup winners, also championship cockerel Toledo, past three years. Circular ready for you.

C. M. Agler, Box 7, Millbury, Ohio

## Bourne "Bignum" Poultry Band



Patent applied for.

Send two 1 cent parcel post stamps for samples and trial offer. Large numbers showing ten feet away. First to use numbers you can see. Best band out. Sizes for Bantams, Leghorns, Rocks and Reds. Black numbers from 1 to 100 on white, light blue, pink, green, yellow, cherry, and red celluloid. Withstands weather and water. State size, color and numbers wanted. Send cash with order. Price 3 cents each, \$2.50 a 100.

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## Eggs From Full Blood Stock Eggs

26 White or Brown Leghorn Eggs	.....\$1.50
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13 Silver or White Wyandotte Eggs	.....1.00
13 White Orpington Eggs	.....1.50
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100 Leghorn Eggs, \$6. 100 White Orpington, \$12. Others \$1 per 100. 50c extra for 2 sittings or less by Parcel Post, otherwise by Express. Book orders early; will send when wanted. Remit by Postal, or Express Order, on St. Louis. W. F. CHAMBERLAIN, (The Perfect Chick Feed Man) Dept. 29, KIRKWOOD, St. Louis County, Mo.	



**It's a shame!** to have lousy chickens and stop their laying when you can drive out chicken lice with

**Avenarius Carbolineum** One application a year guaranteed to keep your coop free from lice. Write for circular and testimonials. Carbolineum Wood Preserving Co. Dept. 50, Milwaukee, Wis.



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At Cleveland, January 20 to 27, 1913, I won 2 Cockerel, 1—2 Pen. Only made four entries. One of the hottest classes of Reds ever shown at Cleveland. Will have 8 pens mated for egg trade. Book egg orders early. Eggs, \$3, \$5 and \$10 per 15. Send for mating list.

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At the National show in competition with the "Originator" of all the Orpingtons we win 1, 2, 4 cock, 2, 4, 5 hen, 2, 3 cockerel, 3, 4 pullet, 1, 2 pen. Also Special for best display of Blacks, and Special for best display all varieties Orpingtons competing. From these birds and our Omaha, Indianapolis and Chicago winners this year we sell

**EGGS, \$10 FOR 15**

\$18 for 30, \$25 for 50. Baby chicks in any quantity. Our new catalogue and mating list should be in your hands if interested in Black Orpingtons. No better birds anywhere and the price is right. Order that catalogue now. It's Free.

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**WEJA FARM S. C. W. LEGHORN WINNERS**

**At the Great Cleveland, Ohio, Show,  
January 6 to 11, 1913**

The Cleveland Poultry Breeders' Association. In a very strong class of 150 birds, we won 1st, 2d and 3d cock; 1st, 2d and 3d hen; 3d cockerel; 1st pullet; 1st and 2d pen; silver cup for best display. This together with our 1912 winnings prove beyond a doubt that our LEGHORNS are the best in the middle west. If you are in the market for stock either Exhibition or Utility let us quote you prices, we have over 2,000 birds to select from. We keep no other variety, therefore our whole time and attention is devoted to the betterment of the S. C. White Leghorn, the world's best EGG MACHINE. Having acquired all of the stock of D. D. Whitaker, Ashtabula, Ohio, also all the stock of Harmon Bradshaw, Lebanon, Indiana, as well as the stock of P. J. Thompson, Youngstown, Ohio; also the services of both Messrs. Whitaker and Bradshaw, we are prepared and have the STOCK to deliver the GOODS.

130 acres devoted EXCLUSIVELY to S. C. WHITE LEGHORNS. Exhibition Matings, \$5.00 to \$15.00 for 15 EGGS. Utility Matings: \$2.00, 15 EGGS; \$3.00, 30 EGGS; \$8.00, 100 EGGS. Baby Chicks, 15 cents and up. Mating list now ready. Send for free copy.

**W. W. DARLEY, PROP.**

**D. D. WHITAKER AND HARMON BRADSHAW  
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**ARE THE BIGGEST PAYERS BECAUSE THEY HAVE PROVEN TO BE  
THE BIGGEST WINTER LAYERS**

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Are the grandest utility birds on record today, and as to their fancy quality they won first at Madison Square Garden, New York, 1905, 1906, 1908, 1909, 1910; also at Crystal Palace, London, England, and Chicago and Boston. If you need some birds to improve your stock or for the show room write us. We have them, and the kind that wins, as our past record shows. Stock for sale at all times. Remember, we are the originators of "Crystal" White Orpingtons, and breed only the one kind. We devote our whole time to this one breed. Eggs for hatching, write for prices. Send for our catalogue.

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ORIGINATOR OF CRYSTAL WHITE ORPINGTONS  
9122 WESTPORT ROAD, : KANSAS CITY, MO.





# WARD'S CHAMPION DARK CORNISH

The big winners at the leading shows of America in 1912. Won 12 firsts, 12 seconds, 4 thirds, 3 fourths, 2 fifths on 33 entries, but 3 birds not getting placed. Showing at Allentown, Pa., Hagerstown, Md., Trenton, N. J., Philadelphia, Pa., same week as Chicago Club show, so was forced to show a second string at Chicago, Ill., against 268 birds shown by 40 other exhibitors. Also 16 valuable specials. Mating list ready. Yours for a red stamp. It describes my wins in detail.

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PENNINGTON, NEW JERSEY

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# BIRD'S PARTRIDGE ROCKS

WON ALL FIRSTS AND SPECIALS AT MADIS'N SQ. GARDEN JAN. 1913

This remarkable record, with their decisive victories at New York, 1910-11, and Hagerstown, 1911-12, gives them a grand total of 21 of the 23 firsts competed for, and stamps them as America's undisputed champions. Their utility is equal to their beauty. The greatest prize winners and best breeders for you. Write your wants. Catalog and mating list for stamp. Eggs in season.

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Making a grand total of 21 of the 24 firsts at 6 great shows in 1910-11-12-13. If interested in the World's Best Bronze write your wants. We will please you at right prices with the best exhibition and breeding birds ever offered.

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First Prize Bronze Turkey Cockerel Madison Square Garden, N. Y., 1911

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BIRD BROS.

BOX C

MEYERSDALE, PENNSYLVANIA

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Must hustle or starve if you use a Simplicity Feeder. Saves cost in thirty days. Simplex Supply House, Pontiac Building, Chicago, Illinois.

# STILL INVINCIBLE HEWES FARM BLACK LANGSHANS

Win at the great Chicago show, Dec., 1912, 1st, 2d and 4th cock; 1st and 3d cockerels; 2d and 3d hen; 2d and 3d pullet; 1st pen and silver cup for best display, offered by the National Black Langshan Club of America, Every 1st on males for 5 years at Chicago. Black Langshans stood 2d as the greatest average year layers at the Missouri Egg Laying Contest. Send 10 cents for catalogue.

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(ILLUSTRATED CIRCULAR FREE)



World's Champion of 1906  
Our \$2,000 Male

Winner of First Prize and Sweepstakes Special at New York's Greatest Barred Plymouth Rock show, nearly 500 line. Sons were Winners in several shows, including New York and Boston.

Our Awards Were: 6 Prizes on Males; 3 Prizes on Females; Both 1st and 2d Yards; \$25.00 Cash Special for Best Display. (Won by nearly double the points of the closest competitor); also Silver Cup for Best Pen.

29 of our "Lee Belle" Line of Females have been First Winners at New York Show alone.  
59 Winning Males at New York Shows have been bred by us.

Four 1st, four 2d, three 3d Prizes besides other awards have been won by us at a single Madison Square Garden Show.

THREE TIMES have Males of our breeding won FOUR OF THE FIVE PRIZES offered in the class, including Firsts.

FOR SALE—Show Birds and Breeders—As Fine a Lot of Chicks As We Ever Offered. Large Vigorous Specimens Bred from Our BEST PRIZE LINES and Suitable for Any purpose. Prices according to grade. Selections made for buyers' individual needs.

Buy Our Best Grade If You Wish to Breed Successfully.

Eggs FOR HATCHING FROM SOME OF THE BEST BIRDS WE EVER MATED UP  
\$10 per 12; \$20 per 26; \$25 per 33; \$67 per 100. (We Do Not Sell Baby Chicks)

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We are not showing this season, but our customers are, and report big winnings everywhere and in the largest shows. These reports, together with our big winnings the past year, stamp **Queen Quality Reds** the blue ribbon strain. Our old live and let live prices for hatching-eggs from our special matings so popular last season will be maintained. We have a pleasant surprise for our egg customers this season—Eggs will go forward in the finest shipsafe made, and by **Parcels Post** or Express, as requested.

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WIN AT THE NATIONAL CLUB SHOW --: CHARLOTTE, NORTH CAROLINA, 1913

The greatest record ever made at any Club Show was won by my birds January 10—14, 1913, at the Barred Rock Club annual meeting show in a sensational class of quality, the largest and best ever had in the South. I won Cocks, 1, 3; Hens, 1, 2, 3, 5; Cockerel, 1st; Pullets, 2, 4, 8; Pen, 2d; Pullet Bred Cockerel, 3d; Cockerel Bred hen, 1st, and more points than all others combined. My **First Prize Cockerel** also won Special for color, Special for best cockerel in the American class, and the **Sweepstake Special for best male bird in the show**. This line has been bred for nearly 20 years, and for years has won at the Virginia State Fair and other leading shows of the South, proving them of the richest quality and producing lines. Stock for sale. Eggs for hatching, \$5 per setting from my choicest matings. Circular free. Write me your wants. Absolute satisfaction assured. Mention American Poultry Journal.

M. B. HICKSON --: BOX 4 --: LYNCHBURG, VIRGINIA

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A NEW FAVORITE WITH A REASON

At Chicago, December, 1912, in the largest and best class of R. C. Rhode Island Whites ever seen in any show room, McCarthy's **Peerless Strain** made a clean sweep, winning 1st cock; 1st hen; 1st pullet; 1st pen; **\$25 cup for best display** and **\$15 cup for best shape R. I. White**. As every prominent breeder, both East and West, had his birds entered at this show, it proves beyond a doubt that the **Peerless Strain** is the **best in the world**. Send for our illustrated catalogue and mating list and become acquainted with this grand new breed.

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## THE 1912 REVISED EDITION OF THE AMERICAN STANDARD OF PERFECTION

The only American authority on the required characteristics of all breeds and varieties of chickens, ducks, turkeys and geese. You cannot raise, mate, exhibit or sell fowls intelligently without it.

This Great Book was revised this year (1912) and gives the correct Standard shape, color and weight of every recognized variety of chickens, ducks, turkeys and geese, as well as the disqualifications of each variety. The book contains 332 pages of descriptive matter and ideal illustrations of the different varieties of fowls, photographed from living models. Also

### Five Full-Page Illustrations of Feathers in Natural Colors

to guide the breeder in getting the correct color of plumage on his birds. No one can breed birds of any variety for exhibition without a copy of the **American Standard of Perfection** as a guide, and it is the only book of its kind published in this country. It is authorized, copyrighted and published by the American Poultry Association. Price postpaid, cloth, \$2; leather, \$2.50.

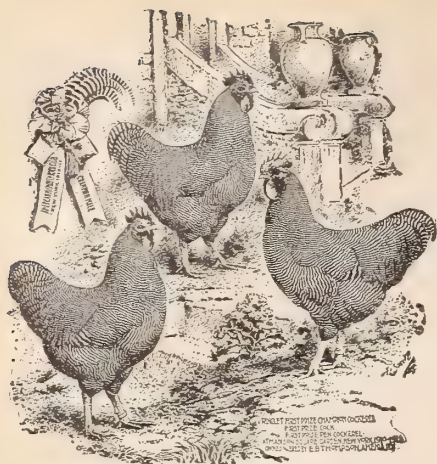
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"Ringlet," 1st Prize and Champion Cockerel, 1st Prize Cock and 1st Prize Pen Cockerel at Madison Square Garden, New York, Winter 1910-1911.

The Three Greatest Living Barred Rock Males

# E. B. Thompson's Imperial "Ringlet" Barred Plymouth Rocks

Win the most wonderful record beyond all precedent in Barred Rock history at the imperial and most classic show of all America—Madison Square Garden, New York—this winter of 1913. See pages 520 and 521 for this unprecedented achievement unequalled in the annals of Madison Square Garden history.

My Imperial "Ringlets" won more first, regular and special prizes than any exhibitor of any breed.

To produce the first prize cockerel and champion male and first prize pullet and champion female in a single year, and win the two greatest prizes in the world at one New York Show has never before been accomplished by any living Barred Rock breeder.

A prominent eastern breeder said: "Mr. Thompson, I will give you \$1,000 for your first prize cockerel"—\$5,000 would not buy him.

Theodore Hewes, the judge and editor, said: "No Barred Rock breeder ever saw such a cockerel nor did they think any such a bird could ever be produced."

## My Whole Exhibit Wore the Distinctive "Ringlet" Barring

For 25 years at New York my "Ringlet" victories have been complete; my clean sweep of 1st, 2d, 3d, 4th and 5th prizes on pullets has never been approached in Madison Square Garden and stands alone and unequalled.

The Imperial "Ringlets" are the standard by which all other Barred Rocks are judged. To meet success in winning prizes you must have my birds and eggs.

I will sell you grand exhibition birds for any show and breeders of this richest first prize New York blood.

Richly illustrated 70-page catalogue upon request, it is full of original pictures of New York winners from life.

**Eggs** From the finest exhibition matings in all the world, \$10.00 per setting; four settings, \$35.00 one hundred eggs, \$60.00.

See My  
Other Ads

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# A. C. HAWKINS' ROYAL BLUE BARRED ROCKS SWEEPSTAKES CHAMPIONS AT New York, Boston and Chicago



"ROYAL BLUE" First Prize Sweepstakes Champion Cockerel at New York.

They have produced the winners at the World's Greatest Shows for 25 years, and at the Great New York Show, 1911-1912, made a WORLD'S RECORD, winning six out of eight prizes awarded on Barred Rock Cockerels, including First Prize and Sweepstakes Silver Cup for Best Cockerel, and Grand Special Prize for Best Cockerel Mated Pen.

AT CHICAGO, Dec., 1912, in a class of over 400 Barred Rocks they won Four First Prizes and the GRAND SWEEPSTAKES CHAMPIONSHIP \$100.00 CUP for the Best Display of Barred Rocks. My White Rocks and Columbian Wyandottes have won more prizes at New York and Boston than any other strain and have no superiors.

2000 CHOICE EXHIBITION and BREEDING BIRDS for sale at honest prices. Finely illustrated Catalog of the World's Champions Free.

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FROM THE

"ALL STAR" Matings

1 Setting	- -	\$10.00
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100 EGGS	- -	50.00

BARRED ROCKS

WHITE ROCKS

COLUMBIAN WYANDOTTES

There Are None Better.

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"Story of the Living Egg Machines" and what it contains. CHAPTER NO. 1—Greeting a chapter that will set the poultry world thinking. CHAPTER NO. 2—History of the Campine fowl, ancient and modern. CHAPTER NO. 3—Description and characteristics of Campines in detail. CHAPTER NO. 4—The Campine fowl as I have found them, giving the reasons in full why I do after over twenty years of breeding and experimenting with many varieties recognized by the American Standard, now recommend and breed exclusively Campines and call them "Living Egg Machines." CHAPTER NO. 5—How to select and mate the Campine fowl. CHAPTER NO. 6—Tells you all about the IMPROVED CHAMPION STRAIN or in other words the original exhibition strain and the greatest utility fowl in the world. CHAPTER NO. 7—Prices of stock and eggs for hatching, also my way of doing business which guarantees entire satisfaction to every customer, and a number of bouquets that I have received during the past season. Now besides the above seven interesting chapters it contains two beautiful colored plates, each being a work of art, as well as a number of classy illustrations. Ten cents to pay postage will be appreciated.

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Kennedy's Improved  
Champion Strain of  
Silver and Golden  
**Campines**

The fowl with a character all their own



FOR TABLE OF CONTENTS SEE PAGE 669

CARVER'S RED FARM, Seville, Ohio, SEE AD ON NEXT TO LAST PAGE

## BLACK ORPINGTONS -- J. T. ADAIR'S

"Big Four Winners"—Chicago, Indianapolis, Louisville and Cincinnati. Awarded three championships, two displays and 37 ribbons—none lower than 3d—at the above shows, and after years of effort we are at last rewarded and are now offering at Live and Let Live prices REAL Black Orpingtons. GET BUSY! Stock and Eggs Ready for Business! A card brings our new catalog and mating list of our offerings.

J. T. ADAIR

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MILLERSBURG, BOURBON CO., KENTUCKY



## Harrison's Royal Red S.C. Reds

### Keep Winning

After winning the greatest number of points ever made at Chicago on special best display, December, 1912 (note the date), the total being 87, or, in other words, more than any other exhibitor ever won at this colossal show, AND WINNING IN EACH ONE OF THE SIX DIFFERENT CLASSES, A FEAT THAT HAS NEVER BEFORE BEEN ACCOMPLISHED BY ANY RED BREEDER, their winnings being numerated thus: 1st, 3d and 4th Cock; 2d and 3d Hen; 1st, 2d and 3d Pullet; 4th Cockerel; 1st and 2d Old Pen and 1st Young Pen. They go to Indianapolis AND MAKE THE GREATEST VICTORY EVER MADE ON R. I. REDS.

Royal Reds win 1st, 2d, 3d, 4th and 5th Cock; 1st, 2d, 3d and 4th Hen; 1st, 2d, 3d and 5th Cockerel; 1st, 2d, 3d, 4th and 5th Pullet; 1st, 2d, 3d, 4th and 5th Old Pen; 1st, 2d and 3d Young Pen and the ONE HUNDRED DOLLAR CHALLENGE CUP OFFERED BY THE ASSOCIATION FOR BEST DISPLAY.

ROYAL REDS won a total of 167 points on best display, while the combined amount of all competitors was but 11 points.

NOTE:—I recently made the purchase of 1st and 2d Chicago Cockerels from Mr. Ricksecker and now have in my yards every first prize winning male at Chicago, 1912.

My special inducement on eggs gives you an opportunity to secure them at less than half the price you have paid for this quality other years.

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AND BE A "TOP NOTCHER" IN THE POULTRY BUSINESS

No such aggregation of "prize winning" and "prize laying" characteristics have ever before been embodied in any one breed—evolved by any one breeder—as in the

"Tecktonius" Strain of S. and R. C. Buff Leghorns

"One Swallow Don't Make a Summer"

Neither does a win, now and then at some minor show, make a "prize winning strain," as a winner is bound to show up occasionally in any poultry flock.

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But when "Tecktonius" and his world-renowned "Buff Leghorns" enter a show—or an egg laying contest—they clean the boards; not occasionally, but all the time; not in some of the minor shows, but at all the big shows—against all the big competitors. I challenge anyone to show an equally as brilliant record.

Seven Years Straight Winnings

These "clean sweeps" for seven consecutive years, in the big exhibition arenas—in competition with the world's best—shows "Tecktonius strain" of Buff Leghorns to be wonderful birds—shows Tecktonius to be a Master Breeder.

World's Best General-Purpose Fowl

A 252 egg record—combined with six years brilliant array of wins—indisputably stamps the "Tecktonius strain" of Single and Rose Comb Buff Leghorns as the world's greatest "general purpose" fowl.

"Tecktonius Strain" Make You a Winner

Incorporate the "Tecktonius Strain" in your flock and you, too, will get in the poultry business RIGHT—you will have birds that will put you in the front rank in all contests—exhibition and egg laying—and keep you there.

You'll Win Fame and Fortune Breeding Poultry with My Buff Leghorns

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Now is the time to prepare for the future by taking advantage of some of these remarkable offerings, listed below, of "Tecktonius" Famous Stock. Mailing lists now ready—be sure and get a copy.

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Single or Rose Comb Special Exhibition Mating, \$25 per setting of 15 eggs. 252 egg record.

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Single Comb Chicks from farm range flock, of good type and color, \$5 per 12—\$15 per 50—\$25 per 100. 252 egg record. No chicks for sale from pen matings.

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I still have several splendid bargains in Single Comb Trios and Pens, mated for best results—at \$15, \$25 and \$35 per Trio or Pen.

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I will mate 12 well matured Single Comb Buff Leghorn Hens or Pullets, to a vigorous male, for \$25. Here's a bargain for stock having a record of 252 eggs per head.



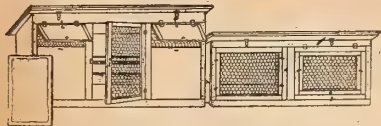
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Successful breeding depends upon knowing your fowls at sight. The

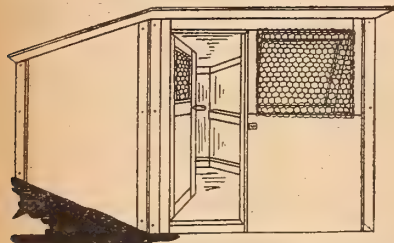
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**HATCHING EGGS**

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**R. C. CALDWELL** Sells Baby Chicks of Quality  
on short notice. See ad on page 653



## SINGLE COMB WHITE LEGHORNS ROSE AND SINGLE COMB REDS

We will take a limited number of orders for day old chicks and hatching eggs this season. Our strains are of the best blood of the country range raised, perfectly housed and fed and show the size, vigor and health that guarantee early and heavy egg production. Write us early for prices and information.

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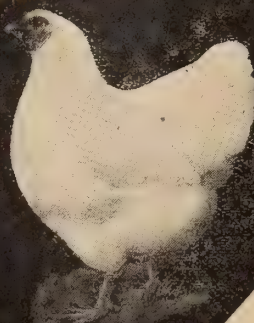
are acknowledged by all poultry authorities to be the greatest utility and fancy fowl.

What could be more beautiful than the White Wyandotte with its clear white plumage, red comb and face, and rich yellow legs? Snow white Wyandottes are bred for utility alone, others for exhibition purposes only, but

## The World's Best Strain

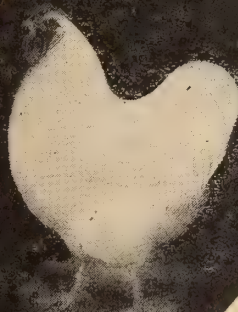
is bred to the highest degree of perfection for both exhibition and utility purposes. If you want birds that will breed exhibition birds we can supply you; if you want utility birds; heavy layers, write us.

If you need a cock or cockerel for breeding purpose we have them by the hundreds, females for breeding for fancy and utility purpose by the thousand.



LIKE  
BEGETS  
LIKE

PULLET



COCKEREL



HEN



COCK



If you want

## Eggs for Hatching

we have twenty pens mated. Never before have we had such quality in our breeding yards, and we do not believe they can be equaled. Eggs, \$10.00 a setting, prepaid by parcel post. Every pen headed by a winner or a bird with the blood of conquerors in his veins. Remember that **Fishel's World's Best Strain of White Wyandottes** win wherever shown, by ourselves or by our customers.

Eggs from our large flocks of heavy layers, bred for eggs and broilers, \$10.00 per hundred, \$5.00 per fifty.

**BABY CHICKS** from our exhibition matings at \$1.50 each; from our heavy layers at forty cents each.

## Our New Catalogue

pronounced by all who have seen it the greatest book ever issued with all the information obtainable in regard to the poultry business mailed for twenty-five cents. Our illustrated price list is free. Send for one today.

**J. C. Fishel & Son, Box J, Hope, Indiana**



## BABY CHICKS AND EGGS

Orpingtons; Single, and Rose Comb, White, Buff, Black and Single Comb White Leghorns, Orpington eggs, \$3. per 15; \$12. per 100. Chicks \$25. per 100.  
J. S. HAUPP'S FARM - BOX 96 - EASTON, PA.

## Poultry Flats

A 64-page book that is a spellbinder for you. The new and easy way to raise poultry. Nothing like it elsewhere. This book is free with a years subscription to the Inland Poultry Journal, which is only fifty cents. Send today.

INLAND POULTRY JOURNAL  
21 CORD BUILDING :: INDIANAPOLIS, IND.

## Baby Chicks

Weja Strain S. C. White Leghorns;  
Bright's Strain S. C. Brown Leghorns;  
White Wyandottes; Ringlet Strain  
Barned Rocks, 10¢ up. 12,000 egg incu-  
bator capacity. Our 8th year handling  
baby chicks. Send for free catalogue.

Peerless Poultry Farm, R. 1, Kenton, Ohio

## Golden Wyandottes

At the great and noted Boston Show Jan. 1913. I won on Golden 1st display; 1, 2 and 4 cock; 1, 4, 5, and 6 hen; 1, 4, 5, and 6 cockerels; 1 and 5 pullet; 2 pen and a lot of specials. I have a fancy lot of stock for sale, but no eggs this season. Please mention A. P. J.

LOREN H. BROWN  
Lock Box 16 Lunenburg, Mass.

DON'T READ THIS AD.

### C. L. Cunningham & Son Poultry Farm

Breeders of Single Comb White Orpingtons, have mated up 9 pens of the greatest White Orpingtons for this season, all pens headed by a ribbon winner. The hens and pullets are out of their laying strain, utility first, then quality. We have more show birds this year in our pens than ever before. We have always made satisfied customers; when dealing with us you get what you order. Eggs are ready to ship out now; fertility great. We have a few choice cockerels and pullets for sale. They are making special sale price on their eggs. They are booking orders for young baby chicks of quality for Spring delivery. They have never been in such fine shape to handle large orders. Scar arrival of chicks is guaranteed.

CARUTHERSVILLE, MISSOURI



## R.C. MINORCAS

First prize winners New York, Chicago, St. Louis and elsewhere. Trap-nest bird for egg production. Stock and eggs for hatching, at all times. Catalogue free.

G. A. Clark : Seymour, Ind.

## LICE ROB YOUR HENS OF VITALITY THEY ROB YOU OF EGGS



### DR. LEGEAR'S LICE KILLER

is an excellent and perfectly safe remedy for the killing of lice, mites, and all vermin on poultry and all live stock. It is a fine powder, put up in large sifting-top cans, and is very easily applied. To use it on poultry, catch the bird by the feet with the head downwards and sprinkle it freely into the feathers, especially under the wings and about the vent.

Large Cans 25c at Druggists and Dealers everywhere. We are sole manufacturers of Dr. LeGear's Famous Stock and Poultry Remedies. Send for Stock and Poultry Book—its free.

Dr. L. D. LeGear Medicine Co.  
725 Howard St. St. Louis, Mo.



## A Gold Mine of Information To Every Poultryman

HERE'S a book that paves the way to success in the poultry business.

It tells you all you should know about incubators and brooders.

Tells you what kind of foods to buy; the different remedies to use in time of need; the experiences of those who have "made good."

Book also gives valuable information to beginners and old-timers; pictures and describes the different kinds of Standard Bred Poultry; lays bare the secret of my success and knowledge gained through 25 years' experience as a poultry raiser and incubator manufacturer.

The reason why I send this Big Book FREE is because it also tells all about my



J. W. Miller,  
President

This book is not for curiosity-seekers, but for men and women who are interested in poultry for pleasure or for the profit there is in it.

Every year I try to do what I can to help others on the road to success. Last year I cut the price of my world-famous hatchers to the lowest price ever put on an efficient, dependable, sure-profit paying incubator. This year, I go still further and besides selling my incubators for less money than ever sold before.

## I Pay the Freight and Give You An Un- qualified Guarantee

This unusual offer is not on an incubator made up for the purpose, but is quoted on the regular sizes of the Ideal Incubators and Brooders, same as those thousands of poultrymen have obtained 95%, 98% and 100% perfect hatches from.

If you are seriously thinking about spending your good money for an incubator, look into the merits of my "Ideal."

My "Ideal" is built with a heating and ventilating system that automatically regulates moisture. It has a hot water system that's perfect, a regulator that will not allow temperature to vary one-half a degree, the best nursery advantages, the handiest egg tray, the record for successful hatching, etc.



Written  
By the  
"Man  
Who  
Knows"

## IDEAL INCUBATORS and BROODERS

When writing for my Big Poultry Book, tell me whether you are interested in a 60, 120, 175, 240 or 360-egg incubator and I'll quote you my special low-price, freight prepaid introductory offer which includes everything. There are no extras to buy. You get the Ideal Incubator complete, ready for your eggs, so you can make big profits from the start.

### Write for Book At Once

Supply is limited; first come, first served.

J. W. MILLER CO., Box 56, Rockford, Ill.

Also Mfrs. of Ideal Grain Sprouters. Get prices.

J. W. Miller Co., Dallas, Texas  
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Seattle or Portland



240  
Egg  
Size

Self-Regulating  
Self-Ventilating  
Perfect Heat-  
ing System—

Requires Less Oil and  
Attention than Others.

Safety  
Lamp  
and  
Safety  
Burner  
All  
Safe.



# Pensyl's White Orpingtons

Win at Bloomsburg, Allentown, Scranton and Madison Sq. Garden, N. Y. Write for winnings. Eggs \$3 and \$5 per sitting. Headed by males that win \$100 Orpington Challenge Cups.

C. L. PENSYL

:-:-

BLOOMSBURG, PA.

## ANCONAS

Howlett's Famous Laying Strain—Persistent winter layers, 15 mated pens for the hatching egg trade this season, catalog free. Our ANCONAS have won in every show this winter where shown. The eggs we sell for hatching are from the same pens we hatch our own show birds, both combs.

East Orange Ancona Yards

F. J. Howlett, Manager  
Sec'y-Treas., Ancona Club

East Orange, N. J.



Eggs for Hatching

C. A. Keefer, (Edgemere Farm), AR 5, Muskegon, Michigan

### ORPINGTONS

At the great Grand Rapids, Mich., Show, I won on Whites, 2d, 3d and 4th cocks; 1st cockerel; 1st pullet; 4th hen; 1st pen; special best exhibit in English class. On Buffs, 1st cock; 1st cockerel; 1st and 2d hen; 2d pen; special best display. At Kalamazoo, Mich., Dec. 1912, on Whites, 1st and 2d cocks; 2d and 3d cockerels; 1st and 2d pullets; 1st pen; sweepstakes for best cock, cockerel, hen, pullet and pen; sweepstakes best pen in show. All of the above prize winners are now in my breeding pens and will reproduce themselves.

Also some choice birds for sale. Catalogue and price list free.

C. A. Keefer, (Edgemere Farm), AR 5, Muskegon, Michigan

## SPRING WATER'S FAMOUS S. C. W. LEGHORNS

WE HAVE NO OTHER BREEDS

### Day-Old Chicks Eggs for Hatching

No strain can excel "Spring Waters" for vitality and the necessary qualities to produce prize winners. At the recent Baltimore show we won 2 firsts, 2 seconds, 1 fifth and 1 eighth. Our First Prize Pullet being the sensation of the show.

### Our Prices Will Please You Our Treatment Must Satisfy You

What we guarantee: That chicks will be hatched from eggs laid by our breeders only; the safe arrival of our chicks; the fertility of our eggs, and that you must be satisfied if dealing with us. Our capacity is 20,000 eggs at one sitting. We have a few choice **Breeding Cockerels** to dispose of. Write for free illustrated booklet. Write us before placing your order for this season's wants.

Spring Water Poultry Farm : Stockton, N. J.

## THE ZERO SAFETY LAMP

Is the Wise Man's choice. Are you satisfied with that old and dangerous lamp? You certainly must realize the importance of having a dependable and safe heating plant in your incubator and brooder.



### The Zero Safety Lamp is SAFE, CLEAN and RELIABLE

Safe because our special construction prevents heat of burner from reaching oil tank. Clean because the combustion is even and lamp does not smoke or become sooty. Reliable because the burner is the best of its class and being cooled by the ascending column of air does not cause wick to "draw" and raise the flame. Keeps egg chamber at uniform temperature.

From any of our dealers or by mail for \$1.25, postpaid. The **SANITARY CHICK FOUNTAIN** is the most sensible made. No chance for the chicks to get wet or drown. Easily cleaned and filled. Holds one quart and goes into any brooder. Price is 25 cents, or by mail for 35 cents, and once you use it you will never get along without it.

The **ATSATT'S CHICK FEEDER** is the neatest device ever invented for feeding young chicks. They cannot get into it or stand on it. Gives them clean food and insures their health. Top removes for cleaning and filling. Just right for your brooder (10 in. long, 4 in. wide). Price 25c or by mail 35c. Ask your dealer for our goods. If he will not supply you send direct to us and we will see that you get what you order. Our catalogue for the asking.

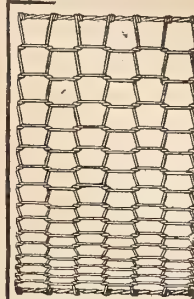
**ATSATT BROS.**

27 PEARL STREET, MATTAPOISETT, MASSACHUSETTS



**BUCKEYE \$8**  
Guaranteed to hatch every hatchable egg. Over 325,000 in use. Send for Catalogue and dealer where you can see one and how it works.  
The Buckeye Incubator Co.,  
501 Euclid Avenue Springfield, Ohio

## POULTRY FENCE



**22 1/2 cts. a rod**  
48 inches high. Has 4 1/2 inch mesh and graduated spacing of line wires from 1 1/2 at bottom to 3 1/2 inches at top. Fewer posts and no base board or top rail required.

**STRETCHES UP LIKE A FARM FENCE.**

**27 1/2 cts.** for a 48-inch combined Poultry and Stock Fence made of heavier wire and having 6-inch mesh. From Factory Direct to Consumer. 100 styles and heights

of Poultry, Farm and Lawn Fence. Catalog FREE. Box 295 **KITSELMAN BROS. Muncie, Ind.**

## Makes 'Em Turn up Their Toes Mighty Quick



Why waste time and money experimenting with ordinary lice remedies when you can be absolutely sure of best results by using



### The Old Reliable

lice killer that has been the standard for 30 years. Others have come and gone, but Lambert's is still the leader—unequalled—unapproached.

### LAMBERT'S Death To Lice

will clean out all lice pests—"makes 'em turn up their toes mighty quick". Fine for sitters, layers, exhibition stock. Does not injure hens, eggs, chicks, or soil plumage. Sold in 10c, 25c, 50c and \$1.00 sizes. If your dealer hasn't it, we'll see you are supplied. Send 2c stamp for Lambert's latest copy "POCKET BOOK OF POINTERS" a valuable book for poultry raisers. (3)

O. K. Stock Food Co., 501 Traders Bldg., Chicago

## GERMOZONE

### GEO. H. LEE'S STATEMENT

"I invented Germozone 15 years ago because I had to have it. I was losing a third of my chicks and chickens every year. Its results have been phenomenal. Sales rose from \$1.00 or \$2.00 a month in 1897 to \$8000 a month in 1912. It cures Roup, Colds, Canker, Swelled Head, Cholera, Bowel Complaint and Chicken Pox 99 times out of 100. In the odd case we refund money."

Regular price at dealers or postpaid, 50c. Sample by mail, 6c. Be sure to try it this year.

### LEE POULTRY SUPPLIES

including the famous Egg Maker, Lice Killer and White Diarrhoea Remedy are standard everywhere. All good dealers handle them. Ask for them. Lee's line of books on Poultry Supplies and Incubators sent direct, free. Write for them.

**GEO. H. LEE CO.**  
1101 Harney St.,  
Omaha, Neb.



## Lee's LICE KILLER



## Get My Price on This Guaranteed Incubator

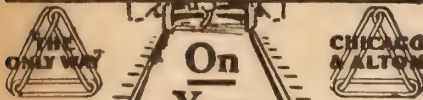
For 31 years my reliable Incubator has been known to hatch every hatchable egg. I guarantee it to operate perfectly—to be made of perfect material and to embody perfect workmanship. You can't lose. The Reliable is virtually a poultry success insurance policy.

### You Will Be Surprised

when you read my detailed description and prices. Send for them today. Either hot water or hot air heat, 6 sizes. Reliable Brooders are made of the same high grade materials and same workmanship as Incubators. Send for catalog and prices today. J.W. Myers, Pres. Reliable Incubator & Brooder Co., Box A-1 Quincy, Ill.



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On  
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St. Louis  
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Hot Springs  
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Magnificently Equipped Fast  
Trains—Superb Dining Car Service

## "The Only Way" Chicago & Alton

GEO. J. CHARLTON,  
Passenger Traffic Manager  
Chicago

## Natural Hen Incubator <sup>200 Egg Size only</sup> \$3.00



J. F. SIEMS  
Patentee

Let us send you our Catalog and prove to you that we have the Incubator you cannot afford to be without. It assures you immediate success in the Poultry Business. Its cost is very small. It needs but little attention, and produces the greatest percentage of healthy, vigorous chicks. It is the only Incubator without mistakes.

Over 550,000 Sold

Mr. R. I. Whitmer, from Kans., writes: "It is the grandest thing I ever saw." Another: "It's a labor saving invention." Another: "Greatest success of the age." Another: "I hatched out 107 chicks from 50 untested eggs." etc. Thousands of voluntary testimonials. No freight to pay. More agents needed. Send postal today for Catalog containing Special introductory Offer. Address:

Natural Hen Incubator Co.  
Station H, Dept. 4, Los Angeles, Cal.

## Feed Pearl Grit - It Pays



It's a double-purpose grit. Clean, hard and sharp. Grinds the bird's food—helps digestion. Keeps hens healthy, helps them molt quickly, makes eggs. Send for our new valuable poultry booklet giving pointers and prices.

THE OHIO MARBLE CO.,  
10 S. Cleveland St., Piqua, Ohio

## My Columbian Wyandottes Win Again!

CHICAGO, 1st cock, 1st hen, 1st and 2d cockerel, 1st, 3d and 4th pullet, 1st pen, 1st display.

MINNEAPOLIS, 1st, 2d and 3d cockerel, 1st, 2d and 3d pullet, 1st and 3d hen, 4th and 5th cock, 1st pen, 1st display.

ST. PAUL, 1st and 2d cock, 2d, 3d and 4th hen, 3d, 4th and 5th cockerel, 5th pullet, 1st pen.

GEO. A. KERSTEN

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WASHBURN PARK

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MINNEAPOLIS, MINN.



## FACTS ABOUT THE SOUTHEAST



FREE  
ON  
REQUEST

Farm Lands Average Less Than \$17 Per Acre. Undeveloped tracts sell from \$6 up. Beef, pork, dairying, poultry, sheep and horses make big profits. Large returns from alfalfa, corn, truck, cotton, apples, fruits and nuts. Growers command good local and Northern Markets.

The Southern Railway Mobile & Ohio Railroad or Georgia So. & Florida Ry.

territory offers the finest conditions for farms and homes. Plenty of rain, mild winters, enjoyable summers. Promising industrial openings everywhere. The Southern Railway has nothing to sell; we want YOU in the Southeast. The "Southern Field," state booklets and all facts free. M. V. RICHARDS, Land & Industrial Agent, Room 9 Washington, D. C.

## CANDEE

### Automatic Safety Incubators

Results Already Reported Prove Every Claim  
That Has Been Made For Them.



A 10,200-egg 1913 Candee Sectional Automatic

Are you sitting up nights with your machines?

Are you still trimming and filling oil lamps?

Are you afraid of explosions and fires?

All this is unnecessary as, Candee operators will tell you.

Take a few minutes' time and drop us a postal, asking for our catalogue of Incubators and Brooding systems and it will come by return mail.

More Candee Systems in use than  
all other makes combined.

Candee Incubator & Brooder Co.

DEPT. 2, EASTWOOD, N. Y.



# Ferris Improved White Leghorn

## Eggs and Chicks at Reduced Prices



### NOW is the Time

to hatch White Leghorns if you want eggs next winter. April and May chicks from our bred-to-lay stock will mature in October and lay all winter when eggs are high. Ferris Leghorns have been bred to lay for more than 12 years. By the use of trap nests and careful attention to every detail that can affect the health and vigor and egg producing qualities of the birds we have developed a strain of White Leghorns that will lay over 14 dozen eggs a year and that will lay a large number of eggs in fall and winter regardless of weather conditions.



### Our Guarantee on Eggs

We endeavor to protect our customers and want you to be perfectly satisfied. When you do not get satisfactory results tell us and we will do everything possible to make it right. *We Replace all Infertile Eggs Free of Charge.* It is well to be careful that you do not get eggs from late hatched stock that is not mature, for eggs from immature Leghorns are as worthless as eggs from any other breed. If you want eggs from yearling hens we can furnish them, for *over half the birds in our breeding pens are yearling hens.*

#### Can Ship Anywhere

We can ship eggs safely anywhere in the United States, Canada or Mexico, and will guarantee fertility. We ship no eggs more than three or four days old, and nearly all eggs are shipped the next day after they are laid, for during the regular hatching season we usually have orders booked a week or more ahead and we make shipments every day.

#### Day Old Chicks

It is usually better and cheaper to start with chicks than with eggs, because chicks cost only twice as much as eggs and the average hatch from eggs is only about 60%, except in the hands of poultrymen who have had considerable experience and know just how to get the best results. The saving in express charges is also worth considering, as the charges on 100 chicks will be only one-third as much as on the number of eggs required to hatch that many chicks. We can generally ship chicks as promptly as eggs, so there is a difference of three weeks in favor of the chicks—three weeks difference in the time the pullets will begin to lay.

Our loss in shipping has averaged less than 2% during the past four years, and our customers have had good success raising the chicks, which proves that the stock is hardy and vigorous and that the chicks have not been injured in the least by shipping. In fact, it is much safer to order chicks than eggs because chicks are nearly always handled more carefully than eggs.

Our incubator capacity of 25,000 eggs enables us to ship promptly orders of any size.

#### Bred-to-lay Utility Matings

All our twelve years' efforts to increase egg production are in the breeding of these birds, and although they do not score high enough to make breeders of exhibition stock, they will give you stock that can not be surpassed for laying purposes by any other that can be bought *excepting our bred-to-lay exhibition matings and our trap-nested laying pens.*

The difference in egg production between these utility matings and the other matings is very slight; the only difference is that although these birds are bred from the trapnested pens, they are not themselves trapnested.

However, we allow no birds in these pens that are not good breeders. The eggs are big, selected for even shape and color and will produce strong hardy chicks.

We can furnish eggs and chicks in any quantity and the price of eggs will be \$10 per 100 or \$90 per 1000 during April, and \$8 per 100 or \$76 per 1000 during May. Settings of 15 eggs, April \$1.95 and May \$1.75.

Day old chicks, April \$24 per 100 or \$216 per 1000; May \$20 per 100 or \$180 per 1000. In lots of 25, April \$7, May \$6.

#### Trapnested Laying Pens

All of these birds score 92½ or more, for this is the minimum score that we permit in these pens, and most of them score more. The average score is around 93½ and scores of 94 to 95 are not at all uncommon. They are mated to males from the best pens, none scoring less than 93 and they will produce a uniformly good looking flock of heavy layers.

Every bird in these pens is a good winter layer for we discard all that do not reach an average of 14 eggs per month during the winter months when eggs are scarce and high. Ferris Leghorns have a reputation of being the best winter layers of any fowl and we are bound to maintain that record.

If you want trapnested bred-to-lay stock that also is bred reasonably close to standard, you will make no mistake to take this grade. For the average county fair and small winter shows, these birds will be pretty sure to be among the winners and they are the best layers that have ever been produced.

The prices of eggs and chicks from these pens are just double the price of the utility matings—\$20.00 per 100 for eggs in April and \$16.00 in May. Chicks \$48.00 in April and \$40.00 in May.

#### Summer Sale of Stock Starts May 1st

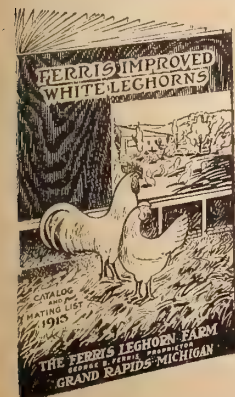
To make room for the ten thousand chicks we will raise this spring we offer thousands of cocks, cockerels, pullets and hens bred from our exhibition matings and our trapnested laying pens and can give you splendid values in any grade you want. Write for prices and full particulars. Let us tell you about the large vigorous breeders we have that will give you just the right foundation for heavy egg production and also the carefully mated exhibition birds that will and produce winners for any show. Remember that our guarantee is the broadest ever given by any breeder. We ship on approval, insure the birds for thirty days and guaranteed absolute satisfaction.

Stock purchased now will give you chicks that will lay next winter, and you will get the best values that have ever been offered at the prices we can quote you.

## Get Your Copy of this 132-page Catalog --- FREE

Have you had a copy of our new 132-page catalog? If not, send us your name today and get your copy by return mail. It not only gives prices and a complete description of our stock but we have also tried to make it as helpful as possible to every breeder of White Leghorns by giving the methods of feeding, housing and breeding White Leghorns that we have found best by twelve years' experience. Remember that the book is absolutely free and that your name on a postal is all that is necessary. Send for it now, while you have this ad before you.

GEORGE B. FERRIS The Ferris Leghorn Farm 905 N. Union Ave., GRAND RAPIDS, MICH.





**HUMPHREYIZE**

The new way to make hens lay. "The Golden Egg" tells all, free. A Humphrey Bone Cutter on free trial. HUMPHREY White St. Factory, Joliet, Ill.

**SPRAY POULTRY HOUSES**

with whitewash and disinfectant in most effective, economical, rapid way. BROWN'S

**HAND OR Auto-Sprays**

No. 1, shown here, is fitted with Auto-Pop Nozzle—does work of 3 ordinary sprayers. Endorsed by Experiment Stations and 200,000 others. 40 styles and sizes of hand and power sprayers—also prices and valuable spraying guide in our Free Book. Write postal now.

THE E. C. BROWN COMPANY  
52 Jay St., Rochester, N. Y.



## No Guess Work With a "Tycos"

It does the essential thing with perfect correctness—it registers the temperature in the egg chamber just as it is. A "Tycos" Incubator Thermometer makes no mistakes; it is always accurate. You have to break a "Tycos" to destroy its accuracy. It is "aged" and tested before sold. That is why every "Tycos" is dependable. Send for Free Booklet, "Incubator Facts". "Tycos" Incubator Thermometers, each \$.75. Incubator Hygrometers, each \$1.50.

Taylor Instrument Companies Rochester N. Y.

## Lice Kill Chicks

Nothing retards the growth of chickens more than lice. They irritate and suck the lifeblood from young fowl, mar their growth and impair their usefulness at maturity.

Lice can be effectively checked by the application of Instant Louse Killer to the chicks, setting nests and roosts and in the dust bath.

## INSTANT Louse Killer

is quick and sure in its action. It destroys all poultry parasites. Instant Louse Killer kills bugs on cucumber, squash and melon vines, slugs on rose bushes, cabbage worms, etc. Also kills lice on horses, cattle, ticks on sheep.

Instant Louse Killer in big sifting-top cans. Be sure you see the word "Instant" on the can before you buy.

Sold under a written guarantee.

1 lb. 25 cts.; 3 lbs. 60 cts.

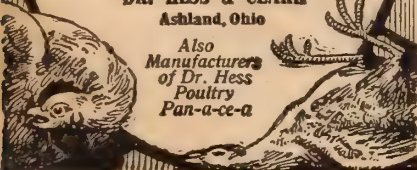
Except in Canada and extreme West.

If your dealer cannot supply you, we will forward 1 lb. by mail or express, prepaid, for 35c.

Manufactured by

DR. HESS & CLARK  
Ashland, Ohio

Also  
Manufacturers  
of Dr. Hess  
Poultry  
Pan-a-ce-a



## All Incubators

Enable the poultryman to extend his operations.

Reduce the labor of hatching as compared with hens.

Give the poultryman control of the hatching season.

Remove the chicks from the hen's vermin and disease germs.

## All Mammoth Incubators

Still further decrease the labor of hatching.

Remove the danger of fire from kerosene lamps.

Reduce the fuel cost to a small fraction of the former figure.

Permit the adding of further hatching capacity to a single incubator.

Increase the hatching efficiency by eliminating kerosene fumes and drying air currents common in lamp incubators.

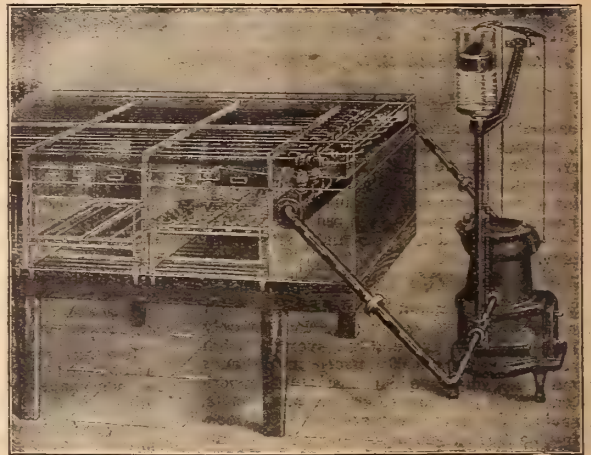
Tend to concentrate the hatching of chicks in the hands of those who make a business of it upon a sufficiently large scale to afford the best equipment known.

## The Hall Mammoth Incubator

Has compartments holding 150 eggs each.

Has the safest and most convenient tray lifting device.

Does not rely on thermostats to take care of the development of animal heat.



Has slatted bottom, providing ample ventilation without drafts as does the curtain front poultry house.

Is the original Mammoth Incubator, and being first in the field, had opportunity to pick out and patent the best and simplest way to control each condition of incubation, leaving imitators to infringe patents or adopt substitute methods and proclaim them as improvements.

Has the largest list of began-little-and-grew-big customers; here are a few of them:

	Original capacity		Present capacity
Peerless Farms, Northport, L. I.	3,000	-	15,000
Wayne Poultry Farm, Stony Point, N. Y.	6,000	-	21,000
Mt. Pleasant Farms, Mt. Pocono, Pa.	6,000	-	24,000
Kerr Chickery, Frenchtown, N. J.	6,000	-	31,200
Laurelton Farms, Lakewood, N. J.	15,000	-	48,000
Michigan Poultry Farms, Lansing, Mich.	12,000	-	60,000
Geo. M. Woods, Leman Place, Pa.	12,000	-	81,600

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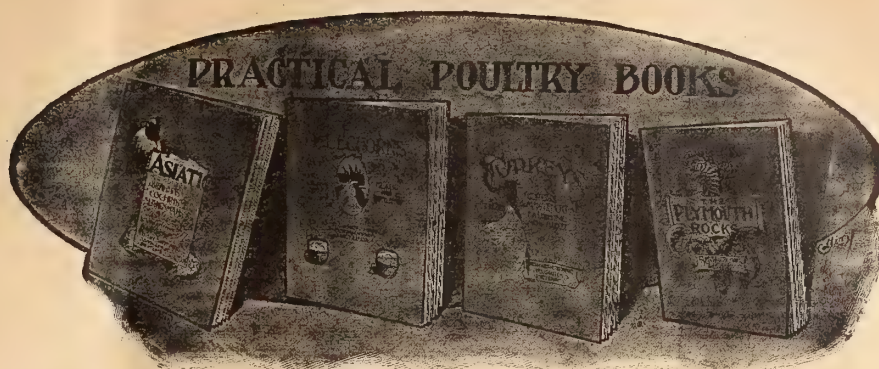
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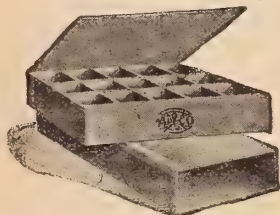
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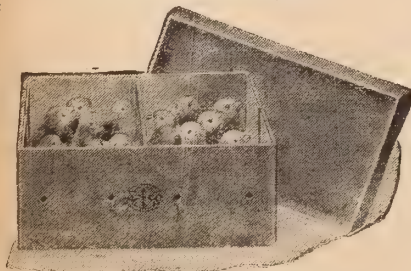
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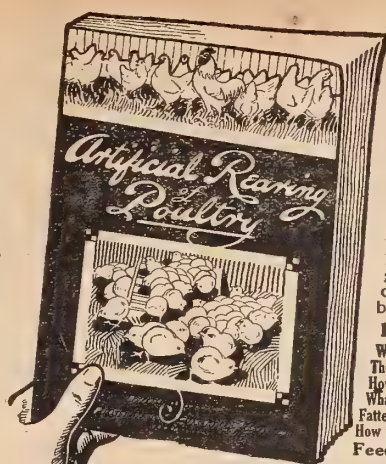
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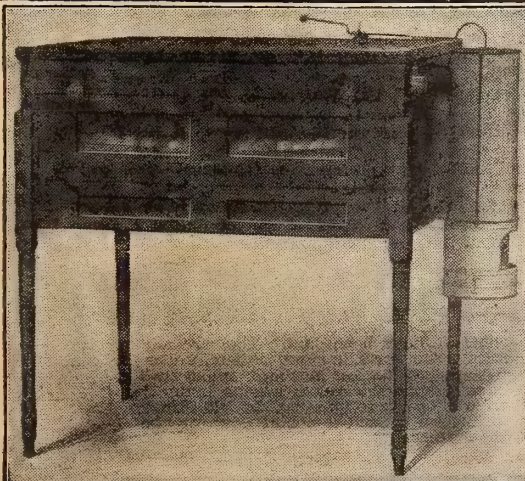
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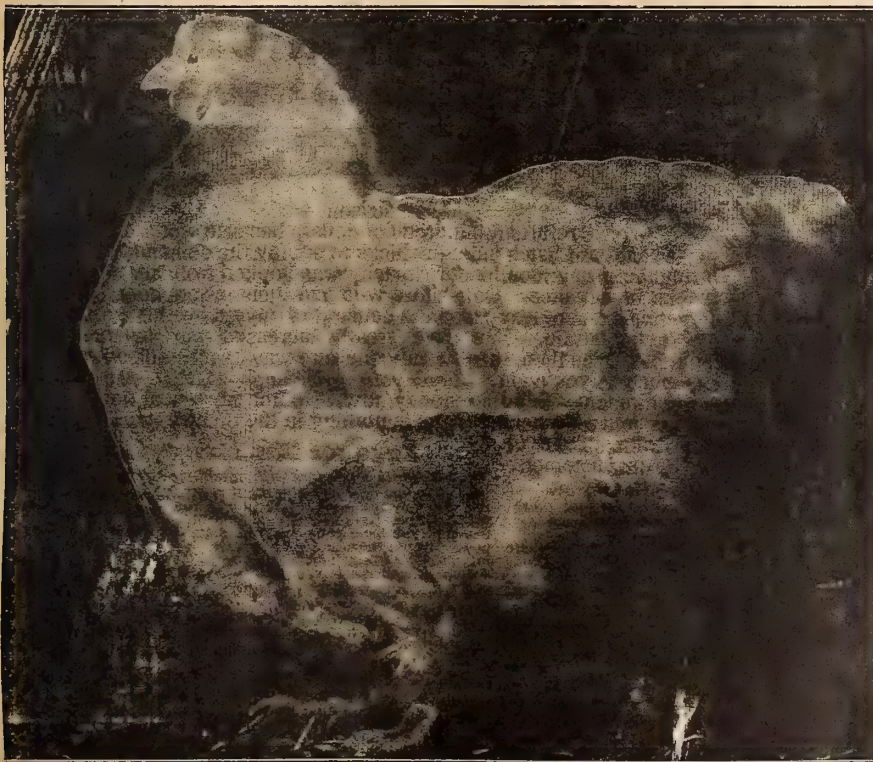
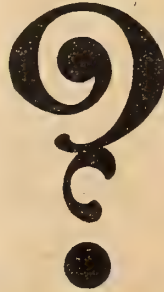
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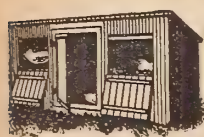
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Good time to get interested in poultry—Possibilities of the hen—Poultry business offers grand opportunities.	
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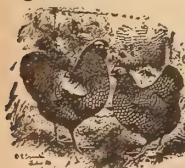


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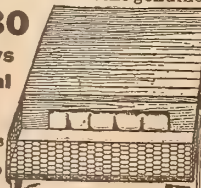
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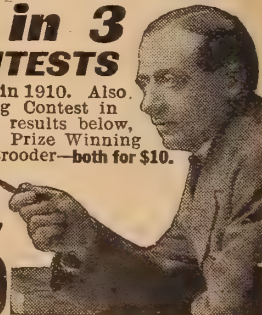
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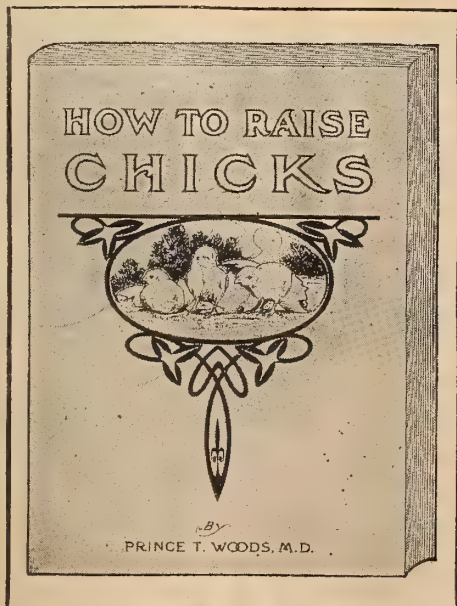
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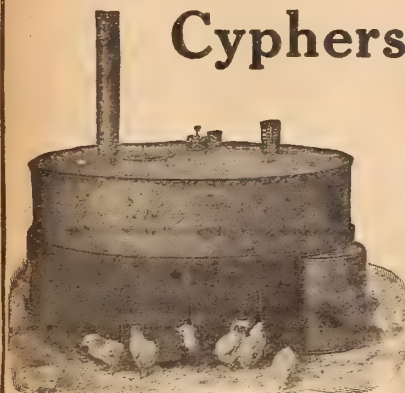
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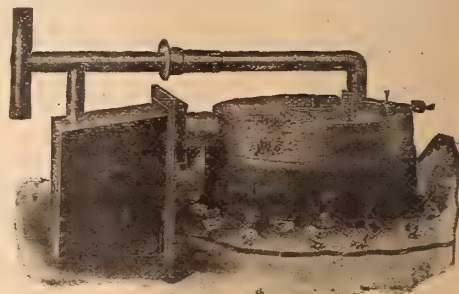
Set it down Anywhere Indoors, or in a Colony House or Roosting Coop and You Will have a Safe and Comfortable Place for the Little Chicks. "Movable" on a Moment's Notice without even Turning Down the Lamp Flame. Is Self-Regulating, Self-Ventilating, All-Metal and Practically Indestructible.

Adopt and *follow* Cyphers Company's Methods. They will guide you right—will help you not only in *producing* big, strong, healthy chicks, but in bringing your poultry into *market at best prices*.

Thousands of successful poultry raisers and egg producers, both men and women, use Cyphers Company's goods *exclusively*—and with *gratifying results*. Cyphers Incubators, Cyphers Brooding Equipment, Cyphers Foods, Cyphers Standard Supplies, for all *practical purposes*—and why not you, Reader?

Time and opportunity *now* are too precious to risk on experiments! *Action*—quick, intelligent action is your *insurance of safety—of results*.

Write *today* for helpful *free* books described on opposite page. *Then act!*



**Cyphers Adaptable Hover**

Fire-Proof, Insurable, Self-Regulating and Self-Ventilating. Used In Full Line of Cyphers Indoor and Outdoor Brooders. Best Device for Home-Made Brooders.

## Sample Reports From Customers

### "Coldest Month South Has Had"

Charlotte, N. C., July 5, 1912.

Cyphers Incubator Co., Buffalo, N. Y.—

This spring I purchased one of your Self-regulating and Self-ventilating Adaptable Hovers, and it has been highly satisfactory in every respect. I ran it outdoors in a home-made brooder box as early as February, which this season was the coldest month the South has had in a good many years, but I had no trouble in keeping up the required heat in the Adaptable Hover to properly care for the comfort of the little chicks entrusted to its care. We raised every chick from this February hatch.

FRANK A. POTTS.

### "Have Eight of Your Brooders"

Moodus, Conn., June 5, 1912.

Cyphers Incubator Co., Buffalo, N. Y.—

Am always ready and willing to speak a good word for the Cyphers Company products and for the "Cyphers Service." We attribute considerable of our success, especially in the earlier days, to the fact that we "started right" with the Cyphers way of doing things. Last year I had the "fireless craze" and tried an early lot of chicks on the fireless plan. On the third day, after losing one-third of them, I put the chicks in one of your Style B Outdoor Brooders and had no further trouble. No more fireless for me for early hatches when I can get your brooders to do the job. I have eight of your Brooders in operation.

C. A. RUSSELL.

### "Don't See How Could Be Improved"

Argos, Ind., July 1, 1912.

Cyphers Incubator Co., Buffalo, N. Y.—

The Cyphers Style B Outdoor Brooder, equipped with Adaptable Hover, has proved entirely satisfactory, and is the best brooding device of which I know. I don't see how your Adaptable Hover could be improved. Out of 85 chicks placed in the brooder we raised 80 of them, and the loss of the five was through no fault of the brooder. We also reared our chicks on your Cyphers Chick Food, with good results. Have found it to be sweet and sound, and free from dirt or waste materials. The chicks eat it up clean. All our dealings with your Company have been entirely satisfactory.

ED. M. MARTIN.

### "20 Degrees Below Zero—Did Not Lose a Chick"

Brown Station, N. Y., June 15, 1912.

Cyphers Incubator Co., Buffalo, N. Y.—

Am using one of your Style A Outdoor Brooders, and also a Style B Outdoor Brooder, additional to the Adaptable Hover which I have installed in a home-made brooder. I have operated these brooders in February, when weather went 20 degrees below zero, and I did not lose a single chick. Am enclosing herewith photograph showing two cockerels hatched February 16th, that tipped the scales at 5½ pounds each. They came out strong and healthy. They were fed on Cyphers Chick and Developing Foods, which accounts for the rapid and satisfactory growth, and development of the birds. I want nothing but Cyphers Incubators, Brooders and Poultry Foods for me.

F. A. DEMGAR.

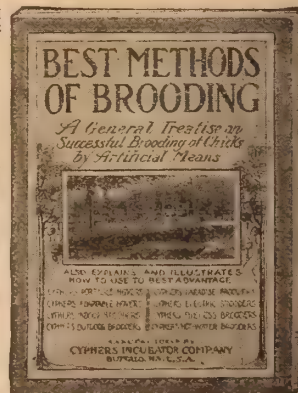


**Cyphers Style B Outdoor Brooder**

World's Most Popular "Foster Mother" (Patent Heating System)

Cyphers Style B Outdoor Brooder, Colony-Type, Three-Compartment, Self-Regulating and Self-Ventilating. Part of Front is Cut Away in Picture to Show Partition Between Hover Chamber and Exercising Apartment.

June 20th. I consider that pretty good. These birds were hatched in my 244-egg capacity Stan'ard Cyphers Incubators and like the rest of my chicks, they came out strong and healthy. They were fed on Cyphers Chick and Developing Foods, which accounts for the rapid and satisfactory growth, and development of the birds. I want nothing but Cyphers Incubators, Brooders and Poultry Foods for me.



Cyphers Company's Latest New Free Book. Most Complete Treatise to Date on This Vitally Important Subject. Goes Into Every Detail From Time Chicks are Taken From Incubator Till They are Placed on Range. Book of 52 Pages, 7x10 Inches in Size, Well Illustrated. Mailed FREE on Request to Any Address.



# Give Best Results!

**DON'T DUPLICATE WORK!** That's a Success Secret in any business. Don't do over again what someone else has already done for you. In brief, don't invest your time and money in needless experiments in poultry raising, when the Cyphers Company already has blazed the trail—proved the way to surest and greatest success.

For this very purpose our Company owns and operates a \$75,000 Experiment and Demonstration Poultry Farm. Results are recorded; most modern, most successful methods are proved and passed along to Cyphers owners, through Cyphers Company's Free Bulletin and As-Often-As-You-Need-It Personal-Letter Service.

Cyphers Company's Methods are established and successful; they enable you to cut out all need for wasteful experimenting; they enable you to avoid losses; to go straight ahead surely, safely, with the best results. Our own proved success, combined with that of many thousands of customers, IS YOURS when you adopt Cyphers Company's Methods and use

## Cyphers World's Standard Poultry Equipment

Write today for the three Great Free Books published by the Cyphers Company for distribution to every man and woman who is interested in poultry raising and egg production. Have you received your set? If not, write us today—right now, and we will send all three, postpaid, without obligation.

### Poultry Foods and Feeding

52 pages—fully illustrated. A gold mine of practical, helpful information covering all details of feeding for special results.

### Best Methods of Brooding

Cyphers Company's latest free book—of direct value and timely help to every poultry grower. All Brooding Facts from start to finish. Successful care of chicks made easy. 52 pages, fully illustrated.



### "Profitable Poultry and Egg Production"

Cyphers Company's big 1913 Year Book—244 pages—packed with richly valuable information on every branch of poultry raising. 8 special chapters of proved Money-making Methods—vital, down-to-date poultry facts and suggestions.

Write us today for any one or all three of these great free poultry books.

### Sample Reports From Customers

#### "Free From Waste Materials"

Edwardsville Ill., August 16, 1912.

Cyphers Incubator Co., Buffalo, N. Y.—

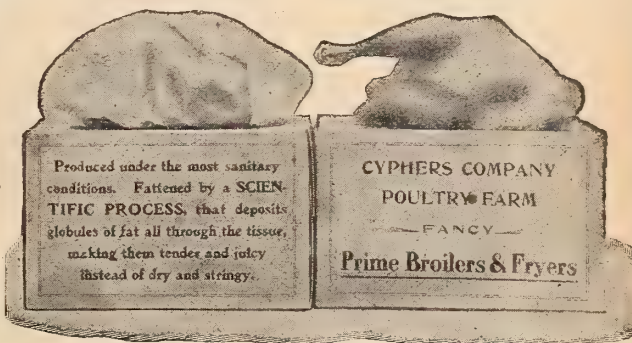
Your Balanced-Ration Granulated Chick Food has been used by us with entire satisfaction. In every purchase it has been clean, sweet, and free from waste materials that the birds will not eat. I have found that everything bearing your trade-mark will serve the purpose for which it was intended. Every hatch brought off from your incubators has averaged 90 per cent., or better, and we have hatched more than 2,000 chicks which were successfully reared with your Cyphers Brooders and your Cyphers Foods. Yours truly, MENY-EGGS FARMS, John Henry Lynch, Proprietor.

#### "Have Given the Best Results"

Mt. Clemens, Mich., September 30, 1912.

Cyphers Incubator Co., Buffalo, N. Y.—

I have tried all kinds of poultry foods, but the Cyphers Sealed-Bag Brand Balanced-Ration dry grain mixtures have given me the best results. I have tried your Chick Food, Developing Food, Scratching Food, Meat Scrap, Oyster Shells, Grit, Charcoal, and also supplies such as Water Fountains, Food Hoppers, etc. Each year I raise from 600 to 1,000 fowls. At our recent poultry show I won first, second, third pullet, second cockerel and second pen on White Wyandottes. All of these were hatched in Cyphers Incubators and raised on Cyphers Foods. BUHL HART.



### Command Top Market Prices

Picture Made From Photograph of Prime-Quality Table Poultry Produced Season of 1912 on Cyphers Company's \$75,000 Experimental and Demonstration Poultry Farm, Buffalo, N. Y.—Also Cardboard Boxes In Which Broilers and Fryers are Marketed. Every Detail of our Methods Will be Found Described In FREE Booklet, "Poultry Foods and Feeding."

#### "Consider Cyphers Foods Almost Ideal"

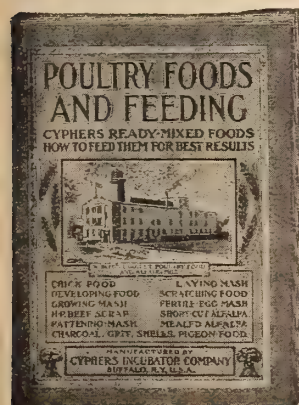
Atlanta, Ga., August 26, 1912.

Cyphers Incubator Co., Buffalo, N. Y.— We are well pleased with your Cyphers Balanced-Ration Foods. We find that to produce a pullet which will lay 180 to 200 eggs per year, it is necessary to start the chick just right, to see that there is continuous healthy development every day, and that when the pullet has reached maturity she receives such a balanced ration as will result in the greatest possible egg production. After our experience we consider Cyphers Poultry Foods almost ideal. Yours Truly, WYANOKE FARMS, W. E. Taliaferro, Prop. Bred-to-Lay S. C. White Leghorns.

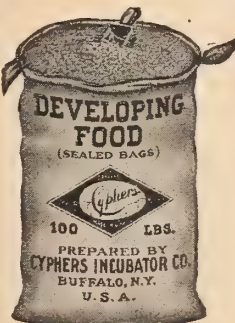
#### "Raise Them To 3 Pounds, Without Losing a Chick"

Romulus, N. Y., September 5, 1912.

Cyphers Incubator Co., Buffalo, N. Y.— This season I have experimented with different foods and feeding systems in caring for my young chicks. I find that those fed exclusively on Cyphers Chick and Developing Foods made much more rapid growth, had more even feathering and was able to raise them up to three pounds in weight—often without losing a chick. I have always found your Sealed-Bag Brand Balanced Ration Poultry Foods to be free from dirt and waste materials, and the chicks eat them with a relish, cleaning up the grains to the last particle. CHAS. E. REED.



This Book Would be Cheap at \$5.00 per Copy, Judged by Actual, Detailed Value of Contents. Tells How To Produce Broilers, Fryers, Roasting Chickens and Capons; Also Exactly How to Feed the Layers and Breeders. 52 Pages, 7x10 Inches. One FREE COPY on Request to Any Address.



### Cyphers Company's Developing Food

This is a Medium-Granulated, Five-Grain Balanced Ration that we Advise our Customers to Feed to Growing Chicks Between the Ages of Six to Twelve Weeks, Before They are Given Whole Grain.

## CYPHERS INCUBATOR COMPANY

FACTORY AND HOME OFFICES, Department 30, BUFFALO, NEW YORK

BRANCH STORES: New York City, 23 Barclay St.; Boston, Mass., 12-14 Canal St.; Chicago, Ill., 329-331 Plymouth Ct.; Kansas City, Mo., 317-319 Southwest Blvd.; Oakland, Cal., 2127 Broadway; London, Eng., 121 Finsbury Pavement.



## Alberding's Beauties

Silver Spangled Hamburgs and S. C. Buff Orpingtons. Try me for eggs, quality the best, prices right.

H. F. Alberding, N. Judson, Ind.

## Raise 90 Per Cent

Of the Chicks

With a Nu-Rinkle fireless brooder, no smoke, no fire, no smell, no danger, no worry, no expense, quit the old expensive lamp method, save time and money and raise the chicks. One brooder, freight paid east of Rockies, \$5.00, 4 for \$18.

HARVEY BROTHERS, :: JOHNSTOWN, PA.

## CHAMPION S. C. WHITE LEGHORNS

Again prove their quality, winning first pen at Pittsburgh, Pa., Feb., 1913, and gold special for best display at Butler, Pa., Feb., 1913. Write me for stock or eggs.

J. H. Leffler, Sharpsburg, Pa.

## Silver Campines

"Improved Champion" Strain—Chicago winners. Eggs and chicks.

Crystal White Orpingtons—Reasonable prices on cockerels and yearling hens. Eggs by setting and hundred. Baby chicks.

Spencer White Runner Ducks—Chicago and Buffalo winners. Stock, eggs and ducklings.

ALICE RAWSON - BIG ROCK, ILLINOIS

## Ideal Aluminum



**LEG BANDS** for POULTRY and PIGEONS are the acknowledged leaders. Firmest and most secure lock. **GUARANTEED** to stay on. Price, postpaid, 12 for 15c; 25-20c; 50-35c; 100-60c; 175-\$1.00; 200-\$1.10; 500-\$2.50. Price list and sample 2c.

Frank Myers, Mgr., Box 40, Freeport, Ill.

Smith Sealed. Prices postpaid	LEG BANDS	Leader Adjustable. Prices postpaid
12-30c; 25-50c;		12-15c;
60, \$1.00; 100		25, 25c; 50, 40c;
\$1.50; 500,		100, 60c; 250, \$1.50;
65-50; 1000, \$12.50.	<b>SAMPLES FREE</b>	500, \$2.75; 1000, \$5.25.



Write postal or order now. Satisfaction guaranteed. Address THE EYES-DAVIS CO., Inc., Dept. 502 Battle Creek, Michigan

## MAKE HENS LAY

By feeding raw bone. Its egg-producing value is four times that of grain. Eggs more fertile, chicks more vigorous, broilers earlier, fowls heavier profits larger.

### MANN'S LATEST MODEL Bone Cutter

Cuts all bone with adhering meat and gristle. Never clogs. 10 Days' Free Trial. No money in advance.

Send Today for Free Book.

F. W. Mann Co., Box 56, Milford, Mass.

## Greider's Fine Catalogue

and calendar of fine, pure-bred poultry for 1913. This book contains many pages of poultry facts, 70 different varieties, some shown in natural colors, all illustrated and described. Tells how to make hens lay, raise and care for them, all about the Famous Greider Incubators and Brooders. Shows photo of the largest poultry farm in Penn. Prices of breeding stock and eggs for hatching, and supplies within reach of all. A perfect guide to all poultry raisers. Send 10c for this noted book on poultry

B. H. GREIDER, Box 101, Rheims, Pa.

## HIGHEST SCORE EVER WON

**100** Envelopes, 3½x6½ inches, an extra strong, thick, smooth, slick, white writing face, and 120 Letterheads, 8½x11 inches, heavy, hard, smooth, slick, pure white writing paper, all artistically printed and illustrated with latest new Standard cuts of your breed for only \$1.00. Express charges paid by me. Better printing for the price was never done. No order less than \$1.00 filled. Name your Express office. Cards, tags and egg labels same price as above.

Address, J. R. HUDSON, Hardin Springs, Ky. I have seen samples of Mr. Hudson's printing. It is very nice; he is perfectly honest.—EDITOR

## The Favorite—LEG BANDS—The Capital



Six sizes

Our bands are strong, durable and made from aluminum; have smooth edges and lock with double clinches, numbered with large **RAISED FIGURES**. Prices: 12 for 15c; 25 for 25c; 50 for 40c; 100 for 65c. Always state which kind are wanted and what variety they are for.

CHAS. L. STILES, 233 N. Third St. COLUMBUS, OHIO



(adjustable)



## CHAMBERLAIN'S PERFECT CHICK FEED

The Only Original Dry Chick Feed and the World's Standard. "Lady Showyou," winner of the National Egg-laying Contest at Mountain Grove, Mo., with a record of 82 eggs in 82 days, and 281 eggs in a year, and recently sold for \$800, was raised on Chamberlain's Perfect Chick Feed.

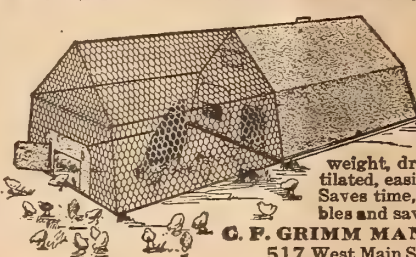
We have agents all over the U. S., but if our agent is not near you, we can make you special delivery prices on 100 lb. lots, or more.

W. F. Chamberlain Feed Co., 358 N. Commercial St., St. Louis, Mo.

HAS NO EQUAL—NO CORN—NO BOWEL TROUBLE

## GRIMM'S CONVERTABLE BROODERS

The roomiest steel brooder made. The wood bottoms are chemically treated which makes them immune from lice, mites, and rats will not gnaw them. Vermin proof. Write for our circulars and read what many satisfied users say. \$1.85 without yard, \$2.50 with yard, Hovers 50 cents. Heaters \$1.50 complete (top heat) Makes a safe place for the setting hen.



10 square feet of floor space in brooder and yard. Size of brooder 2½ feet long, 2 feet wide and 18 inches high. Yard same size. They are built for continuous service, are light weight, dry, strong, large, well ventilated, easily cleaned and kept clean. Saves time, saves money, saves troubles and saves the chicks.

G. F. GRIMM MANUFACTURING CO.  
517 West Main Street Atchison, Kansas

## Brown's Fence Bargain Book READY! WRITE NOW!

Save Big Money on Rust Proof Poultry Fence

BROWN'S Quality beats them all—prices lower than ever—saving you more money than anyone else! Let us prove it. Send postal today for new book of facts and figures and sample to test! Brown's famous poultry and garden fences—with No. 9½ gauge top wires, and bottom wires spaced only one inch apart—offers you wonderful, money-saving values. Cheaper than ordinary netting—lasts five times longer. We use genuine Basic Open Hearth Wire. Heavily Double galvanized—rust proof, stock strong, chick tight! Sold only

## Direct from Factory To You

We pay all the freight wherever you live. Hundreds of styles to choose from. All priced to save you most money. No top or bottom railings needed with Brown's Poultry fencing—and only half the usual number of posts. Don't buy a rod of any kind of fence anywhere till you read about Brown Quality and see Brown's Factory Prices, freight prepaid. Satisfaction absolutely guaranteed. Don't wait! Mail postal or letter right now for Brown's grand Fence Bargain Book—Free. Address

THE BROWN FENCE & WIRE CO.  
DEPT. 3 CLEVELAND, OHIO

Send for Brown's Book Now

We Pay Freight

Direct From Factory

**The Colonial**  
AND Mineral Baths  
Mt. Clemens, Mich.

A BOOKLET GIVING GENERAL INFORMATION ALSO RATES AND OTHER INFORMATION CHEERFULLY SENT ON REQUEST

OPEN ALL THE YEAR

THE BEAUTY SPOT OF MOUNT CLEMENS OPEN ALL THE YEAR THE GREAT CURE FOR RHEUMATISM AND NERVOUS ILLS. WRITE TODAY FOR RATES BOOKLET ROUTES. ALL INFORMATION CHEERFULLY GIVEN

ADDRESS **COLONIAL HOTEL**  
**MT. CLEMENS, MICH**



**Rose Comb White Orpingtons**

Trios, \$10.00; pens, \$15.00. Coming boom breed.

Mention A. P. J.

E. O. HEATON, SCIRCLEVILLE, INDIANA

**FOR SALE**

Stock and eggs from winners at Mansfield, Ohio State Show 7 out of 8; at Columbus 5 out of 7; at Zanesville 22 out of 26; also \$50.00 cup and other specials. Hundreds of good birds did not get a place in these shows. White Orpingtons, R. C. White Minorcas, R. C. Reds that are Reds. Buff Rocks and I. R. Ducks. Write for mating list.

G. W. LEASURE - ZANESVILLE, OHIO

**S. C. White Leghorns**

From our great LAYING BRED stock. Baby Chicks, 12c; \$11.00 per 100. Hatching Eggs (hens) settings, \$1.25; \$5.50 per 100. Special exhibition and utility matings. Cockerels and pens shipped immediately. Our reputation is behind all of this stock.

JOSEPH STENZ &amp; SON -:- Fond du Lac, Wis.

**Ward's Champion Dark Cornish**

My record of 30 regular prizes on 33 entries at 5 of America's leading shows, and more 1sts than all other exhibitors combined, in 1912, against 268 birds shown by 40 other exhibitors, has never been equaled by any other Cornish breeder. Send red stamp for mating list with wins in detail and prospectus of my trip to England for Cornish this Summer.

JOHN W. WARD, JR. Box 7 PENNINGTON, N. J.

**Buff Orpingtons**

Winning four years in succession at the great Indianapolis show, the studio of fancy. Feb. 3-7, 1913, 1-cock, 1-pen, 2-4 chks., 3 hen, sweepstakes cock, best display trophy, color and shape specials. Besides, 1912 winning twelve 1sts, thirteen 2ds, nine 3ds at Springfield, O., Louisville, Ky., and Indianapolis, Ind. Each yard headed by a prize winner of above winnings of 1912 or 1913. Eggs \$10, \$8, \$5 and \$3 per 15; col. matings \$1.50 per 15, \$8 per 100. Mating list (30 pages) FREE. Eight years an exclusive Buff breeder.

J. S. FRAZIER Box B ADVANCE, IND.

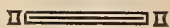
**ROSEMONT FARM  
SINGLE COMB BROWN LEGHORNS**

Originators of the "Queen of Missouri" strain which has a prize winning supremacy that is undisputed. She is conceded to be the greatest dam of show pullets in America. Winners at New York, Boston, St. Louis, Kansas City and color special at recent great Illinois State. Stock and Eggs. Mating list free.

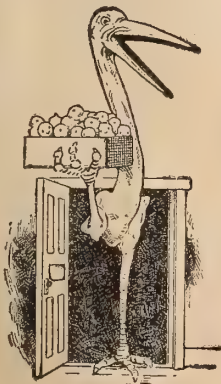
Rosemont Farm, Elmer V. Shultz, Box 500, Webster Groves, Mo.

**BABY CHICKS**

Bred Right



Hatched Right

**Choice Stock in Both Show and Utility Grades**

S. C. White, Buff and Brown Leghorns; S. C. and R. C. R. I. Reds; Barred and White Rocks; Buff, White and Black Orpingtons; S. C. Black Minorcas.

**I. R. Ducklings**

Best value for the money. Testimonials from hundreds of pleased customers. We maintain an information bureau for help to our purchasers.

**Try Us and You Will Stay With Us**

Live delivery guaranteed. Dead chicks replaced. Catalogue free.

TIFFIN CHICK HATCHERY Dept. A Tiffin, Ohio

**MONEY MAKERS**

35 varieties. Chickens, Ducks, Geese, Turkeys, O. I. C. Hogs. Fine stock and eggs at low prices. Big illustrated circular and beautiful picture, 16 x 20, in colors, only 10c. Don't miss it.

JOHN E. HEATWOLE, HARRISONBURG, VA.

**WHITEWASHING**

and disinfecting with the new  
**"Kant-Klog"**  
Sprayer

gives twice the results with same labor and fluid. Also for spraying trees, vines, vegetables, etc. Agents Wanted. Booklet free. Rochester Spray Pump Co., 210 Broadway, Rochester, N. Y.

**CELLULOID LEG BANDS**

Made in seven colors. Mark your poultry so that you instantly know individual birds, one strain from another, and pullets from hens.

Prices 12 for 25c, 25 for 50c, 50 for 85c, 100 for \$1.50. Also bands for baby chicks.

Chas. L. Stiles, 233 N. 3rd, Columbus, Ohio

**BROWN LEGHORNS**

"THE EMPIRE STRAIN  
ALWAYS WINS"



GEO. H. BURGOTT

LAWTONS CATALOGUE FREE! LAWTONS FERTILIZER CO.

EXHIBITED AT  
MADISON SQUARE GARDEN**POULTRY FENCE**

60 INCHES HIGH 25¢ A ROD

Has 4 1/4 inch mesh and line wires are graduated from 1 1/4 inches at the bottom to 4 1/4 inches at the top.

60 inch Poultry and Stock Fence, 31c. Same style fence as in cut but is made from heavier wire and has six inch mesh. Write for free Catalog.

COILED SPRING FENCE CO.  
Box 82 Winchester, Indiana.

**HERE IT IS FOR \$4.00****A GREAT BIG  
HAND GRINDER**

that will save its cost several times a year and will furnish one to two bushels per hour of fresh ground corn, oats, peas, dry bone, oyster shells, nut shells, dry stale bread, etc., for poultry feed, or will grind table meal for family use.

A child can operate it. Thousands sold annually. Shipping weight 40 lbs.

We also build a full line of Power Feed Mills, Sams, stating line in which you are interested.

Stover Mfg. Co., 318 Plymouth St., FREEPORT, ILL.

**CAPON TOOLS**

CAPONS bring the largest profits—100 per cent more than other poultry. Caponizing is easy and soon learned. Progressive poultrymen use

**PILLING CAPONIZING SETS**

Postpaid \$2.50 per set with free instructions.

The convenient, durable, ready-for-use kind. Best material. We also make

Poultry Marker 25c. Gape Worm Extractor 25c.

French Killing Knife 50c. Capon Book Free.

G. P. Pilling & Son Co., Philadelphia, Pa.



# NONPAREIL BARRED ROCKS

Win at the Great Exposition  
Park Show, Rochester, New  
York, January, 1913

## 151 Birds Competing

Cock 1st and 3d; hen 2d; cockerel 1st and 4th; pullet 2d, 3d, 4th; pen 1st; pullet bred cocks 1st, 2d and 4th, cockerels 2d and 5th; cockered bred hen 1st, 3d, 4th and 5th; pullets 1st, 4th and 5th; cockerel mating pen 1st; pullet mating pen 1st; all shape and color specials; association silver cup for best display; the Taylor sweepstake cup for best exhibit at show, etc.

## Line-Bred Since 1883

For twenty years winners at America's best shows. 269 first prizes and 63 shape and color specials, silver cups and medals won at Madison Square Garden, N. Y., Chicago, Boston, Philadelphia, Buffalo, Cleveland, Toledo, Toronto, Rochester etc.

## Matings for 1913

Our matings are made and are superior in quality for both cockerel and pullet breeding. Descriptive list free for the asking. Eggs, \$5 per 13, \$8 for 26, \$10 for 40, \$25 for 100.

## Stock for Sale

Cocks, cockerels, hens and pullets from our best breeding lines. Trios and pens properly mated for best results. All correspondence and orders have the personal attention of H. P. Schwab.

**Special Sale**—Trios and pens, quality birds with the best of breeding back of them. Satisfaction assured. Pens of five birds for either cockerel or pullet breeding for \$22.50. They will please you. Start now and start right. Write us your wants.

OUR BEST EFFORTS ARE AT YOUR COMMAND

**SCHWAB BROS.**  
BOX 452 :: IRONDEQUOIT, N. Y.

# Grannis Bros.

## Breeding and Exhibition Stock Baby Chicks and Eggs



Buff and White Orpingtons    White Wyandottes  
S. C. and R. C. R. I. Reds    White Leghorns  
Buff Leghorns    Indian Runner Ducks

At eight of the leading shows of the United States we have won

## 260 PRIZES

For the breeding season of 1913 we have mated up 35 pens of grand quality, and in addition individual and colony pens aggregating nearly 1,000 splendid breeders. Over 2,500 birds were available for selection, a number amply sufficient to insure the highest of quality.

At LaGrangeville, N. Y., we have our 160-acre farm which is admirably adapted for a great poultry producing plant. At Bryn Mawr Park, Yonkers, N. Y., is our metropolitan branch plant where we have several of our choicest breeding pens of each variety, and also have on hand and for sale stock the finest quality. Bryn Mawr Park station is only ten miles from N. Y. City.

All our stock has been raised on free range, which with us means fields, woods and orchards.

## Special Prices on Fine Breeding Stock

Cocks, \$5.00 and up; Hens, \$3.50 and up; Cockerels, \$5.00 and up; Pullets, \$3.50 and up. Prices on exhibition stock quoted on request.

The chick crop of 1912 was much below the average, consequently the demand for baby chicks, eggs and stock is unusually large this season. We therefore recommend early placing of orders. By ordering now and making a small deposit customers may insure for themselves shipment on date selected by them.

All our baby chicks are hatched in Hall Mammoth Hot Water Incubators and are equal in every respect to hen hatched chicks.

Catalog, with prices of eggs, baby chicks and stock, now ready. Send for copy.

# GRANNIS BROS.

Herman W. Grannis, Manager

Route 12,    Bryn Mawr Park,    Yonkers, New York





**THIS IS THE ALUMINUM "CONVENIENT" LEG BAND**  
Note the strong, secure fastener, so simple and complete—the number is not stamped in, but raised OUT—plain, readable—can't get full of dirt. Reaches you already bent in shape ready to put on—12 bands 20c; 30 for 45c; 60 for 75c; 100 for \$1.00. Sample Free—  
**H. O. SHAW, Box 103, GRINNELL, IOWA**

## King's Barred Plymouth Rocks

For 22 years have been bred for business and show room requirements. The past ten years, at fifteen of our largest shows, they have won for me a grand total of 180 regular and many special prizes, including 56 firsts. They win for my patrons wherever shown. If you haven't been winning the best prizes, try a few eggs from my matings. Egg circular free—send for it today.

**O. L. KING, :: River Road, :: Rockford, Ill.**

I have issued a mating list that contains an inventory for 1913 that should interest every one in

## Nixon's White Wyandottes

Don't overlook the fact that for 20 years I have produced the leading winners at America's best shows, and my strong winnings of first pen, first hen, etc., at the big Albany Club meet stamps them the 20th Century leaders. Don't place your order before getting my free list.

**Chas. Nixon, Judge and Breeder, Box 202, Washington, N. J.**

## S. C. Black Orpingtons

Have been breeding Blacks 12 years, winning at such shows as Chicago, Detroit, Cleveland, St. Louis and Cincinnati. Every Black male in the great Music Hall at Cincinnati was from my strain. I think this is evidence enough that I have quality. Birds and eggs ready for business. Let me mail my mating list and sale prices.

**Herrick Poultry Yards : Box 612 : Durand, Michigan**

## Battleview Farm R. C. R. I. Reds

Won at five shows in 1911 forty-eight regular prizes, including five silver cups, two gold specials and six color and shape specials. In 1912 at Red Bank, N. J., 1st and 3rd cock; 1st and 2nd hen; 1st, 2nd and 3rd cockerel; 1st, 2nd and 3rd pullet; 1st and 2nd pen. Winning more points than all other breeders combined, including two silver cups for best display. Before placing your order for eggs, compare my prices with any breeder in the United States. For my special matings, price \$5.00 per 15 eggs. Try a setting from these matings and compare the results with any other breeder regardless of price. I also have one of the strongest utility yards that money can buy. Every bird raised from my special matings: eggs \$1.50 per 15; \$4.00 per 50; \$6.00 per 100 and \$50.00 per 1000. Write today and be one of my satisfied customers.

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**Stock, Eggs, BABY CHICKS For Sale**

**CHAMPION WINNERS  
CHAMPION LAYERS  
CHAMPION PAYERS**

Four Firsts and Four Seconds on Buff Orpington  
Fowls and Ducks at the Great Chicago  
Show, Dec. 12-18, '12

## DO YOU BREED "Sunswick Strain"

**S. C. BUFF ORPINGTONS and  
BUFF ORPINGTON DUCKS  
Or Just Orpingtons?**

The Great Buff Orpington Specialty Breeders of  
America

**Sunswick Poultry Farm  
SOUTH PLAINFIELD, N. J.**

Rufus Delafield, Owner

Send for Mating List and Catalogue

Inspection Invited



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Land and Water Fowls. Farm-raised stock, with eggs in season. Send 2c for my valuable illustrated descriptive Poultry Book for 1913. Write Henry Pfife, Box 600 Freeport, Ill.



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Our new catalog now ready; latest and best designs; all varieties; ask for it today

**Chas. L. Stiles, Columbus, Ohio**

## HIGH CLASS EXHIBITION

## S. C. BLACK ORPINGTONS

Settings from Fine Mating reasonable.

**O. K. Parrett : Roseville, Ohio**



## THE "SIGNET" ALUMINUM LEG BAND

Adjustable. The band that stays on. Price postpaid 12, 15c; 25, 20c; 50, 35c; 100, 60. Send stamp for sample.

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Are the important months for hatching your winter layers. **S. C. Buff Orpingtons'** Eggs from especially fine producers will satisfy your desires for fine, healthy chicks and subsequent breeders.

**O. WILSON (J) :: CARLISLE, W. VA.**

## SINGLE COMB WHITE LEGHORN

Mated, are Chicago, Springfield and Alton, Ill., winners.  
Get my mating list.

**Robt. T. Brown, R. F. D. 4, Springfield, Ill.**

SEE THIS NEW

## Poultry Band



**The Kind That's Different**

Write for free sample of Stevens colored and numbered band for poultry (state your breed of fowls so we can send the correct size). This band is revolutionizing marking. Made of aluminum and celluloid. Made for baby chicks and pigeons. Free catalogue giving full particulars and prices.

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302 Bancro Ave., - - Reading, Mass

SPECIAL MATINGS \$5 PER 15



FINE CKL. MATING EGGS \$2. PER 15

## Ringlet Barred Rocks

We sell eggs from all our matings. Quality that will please knowing ones.  
**Highland Poultry Farm, Fred Erdman, Normal, Ill.**



**R. C. CALDWELL** Ships Baby Chicks of Quality on short notice. See ad on page 653

## ARE YOU LOOKING FOR THE BEST WHITE ROCKS

**A SQUARE DEAL AND THE REAL FACTS.**

**At the Great New York Shows this Season** my strain won more on young birds than any other four breeders; the product of my matings last season beat everything that could be produced in the east. This shows that my matings were right.

My matings this season are by far the best I ever owned and will produce the winners for America's best shows the coming season.

A limited number of eggs for sale, the quality kind. Mating list for a stamp.

**L. C. BONFOEY,**

**Box 72**

**Vernon, Conn.**

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Silver Penciled Rocks  
Partridge Rocks  
Silver Campines  
S. C. White Leghorns  
S. C. Black Leghorns

RELIABILITY AND PRICE go hand in hand, for Price means nothing without Reliability. The keynote of our reputation is HONESTY. We have all we claim, and a little bit more. We do everything we agree to do. Let us show you.

## EGGS CHICKS

WE DON'T CARE who you are, or where you live, WE DO CARE for a share of your orders. Send for Circular and List of Winnings during season 1912-1913.

**Parkway Farm,** Barton T. Fell, Owner  
J. F. MacKay, Manager

∴ **Route 10** ∴ **Trenton, N. J.**

## Barred Plymouth Rocks

**WINNERS** last fall and winter at **Chicago, Memphis, Indianapolis, Louisville and Shelbyville.** 1st Pen, 1st Pullet, 2nd Cock, 3rd Cockerel, 3rd Cock, 3rd Pullet, **Indiana State Fair, Indianapolis, Sept., 1912.** 1st Cockerel, 3rd Pullet, 5th Cockerel, 5th Pen, **Tri-State Fair, Memphis, Tenn., Sept., 1912.** 1st Cockerel, 1st Hen, 2nd Pullet, 2nd Cock, **Shelbyville Fair, Shelbyville, Ky., Sep., 1912.** **Armory Show, Louisville, Ky., Dec., 1912.** 3 first, 2 second, 4 third, 1 fourth, 2 fifth premiums, special for best shaped female. Silver cup for best Barred Plymouth Rocks. 1st Cockerel, 3rd Pullet, 3rd Cock, 4th Cockerel, 4th Hen, 4th Pullet, 5th Hen, 5th Pullet. Blue ribbon for best display. Cash prize for best Barred Plymouth Rocks. **Kentucky State Fair, Sept., 1911.** 1st Cockerel, 1st Hen, 1st Pen, 2nd Pullet, 3rd Cock, 4th Hen, 4th Cockerel, 4th Pullet. Cash prize for best Pen, **Louisville Poultry Show, Jan, 1911.**

### Fourth Pullet Bred Cockerel, Chicago, Ill., Dec., 1912

Eggs \$3.00 per 15      Eggs \$7.50 per 50  
Eggs \$5.50 per 30      Eggs \$15.00 per 100  
Prize Matings \$4.00 per 15 Straight

**TWENTY** Grand Pens for 1913. No utility matings. Twenty selected pens, containing our winning birds at the big Shows and State Fairs at which we have exhibited.

**SEND** us your order for what eggs you need. We are specialists in Barred Rocks, have bred them in line for 22 years and have been consistent winners, at the great Central and Mid-West Shows.

**RAISE** your breeders and prize winners from "Pope Strains." They are the height of perfection in the new type, the correct type, the Pope type of clear black and white barring. No other breeder can give you the quality that we can, and we ask all those expecting to purchase Barred Rock eggs to send for our 40-page Catalogue and Mating List. You will make a great mistake if you place order before getting our literature. Send for Catalogue No. 3

**POPE & POPE,**

**Box A**

**Louisville, Kentucky**



1st Pullet, Indiana State Fair, Sept., 1912



# HOLTZAPPLE'S S. C. REDS

— BABY CHICKS — EGGS —

Winners at Columbus, Toledo, Cleveland, Ft. Wayne. Seven grand exhibition pens mated. Large utility flock. Utility eggs, \$6.00 per 100; chicks 15c each. Send for catalogue.

OSCAR HOLTZAPPLE — BOX 48 — ELIDA, OHIO

# S. C. Brown Leghorns

First prize winners at Madison Square, New York, Chicago, Pittsburg, Cleveland, Buffalo and Philadelphia. My prices are reasonable. Write for circular.

Frank Schellang, R. 8, Erie, Pennsylvania

# COLUMBIAN WYANDOTTES

BEAUTIFUL—PROFITABLE—GREAT WINTER LAYERS—Prizes at leading shows. At Baltimore, 1913, on seven entries, won seven prizes and three specials. Stock and eggs for sale. State what you want. Circular free. Please mention American Poultry Journal when writing.

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Breeding stock of this highly useful and attractive variety for sale at reasonable prices. Eggs for hatching from carefully selected matings. My birds have again taken the highest awards at the winter shows and are unexcelled in this country.

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We will spare a limited number of settings from our prize winning Black Langshans, White Rocks, S. C. Mottled Anconas, Silver and Golden Campines, Black Tailed Japanese Bantams at Boston Show, 1913. Three varieties shown, our entries won eight firsts, four seconds, two thirds, one fourth, two fifths. Of 34 birds shown, 29 were under the ribbons. Mating list for 1913 on application. Correspondents please write their name and address plainly.

URBAN FARMS, PINE RIDGE, BUFFALO, N. Y.

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# IMPROVED CAMPINES

Best Silvers of English and American strains. Eggs, \$4 per 15; \$7 per 30. Circulars. Robt. D. Clemans, Mechanicsburg, Ohio.

GIANT SINGLE COMB BLACK

# MINORCAS

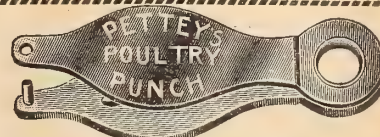
From Chicago, Buffalo, Memphis and Indianapolis winners, correct size, shape and color. Eggs that will hatch. Four best pens \$3 per 13, \$6 per 30, \$9 per 50, \$17 per 100. Free farm range matings \$7.50 per 100. Mem. Am. Black Minorca Club. Mating list. John L. Brown, 2337 Brown St., Anderson, Ind.

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Exclusively—Young and yearlings.

Good ones for sale.

O. A. Browne VanWie and Logan Sts Rockford, Ill.

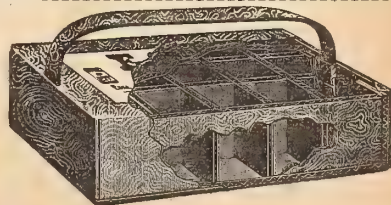


All steel, nickel plated, punches clean. Hole is right size; will not bruise the foot. Price 25c by mail, or at your dealer. J. O. Petsey, State St., Belvidere, Ill.

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Shows which hen laid the egg! Most efficient; easiest to install and operate. Progressive poultrymen everywhere use them. Practical for you or your money back. No watching! No fright! No freight! Plans, Traps, Bands, Record Sheets. Write now for prices and proof.

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the everlasting layers and sensational beautiful fowl.

Write for price list on eggs. Winners at Chicago Dec. '12

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### EGGS : EGGS

Wherever our birds are shown they win—The Great Allentown Fair, Trenton Inter-State Fair, Williamsport and Philadelphia. Our eggs for hatching are of the highest standard and fertility.

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Eggs \$2.00 to \$5.00 for Our Best Matings

Choice high class breeding stock for sale. Cockerels \$5.00 up. Pullets \$3 up. Perfect in shape, color, and bred from winners. Buy from the farm that gives absolute satisfaction. Mention this paper when writing.

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### BARRED PLYMOUTH ROCKS

My hen "Liberty Bell" laid 266 eggs in 1912, winning championship cup at Illinois State Show, Springfield, January, 1913. Circular free.

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The book entitled, The History of White Diarrhoea, or why incubator chicks die, will be sent absolutely free by return mail to anyone sending us the names of 7 to 10 of their friends that use incubators. This book can save you \$100 this summer. It describes white diarrhoea or bowel trouble, the cause and tells of a cure. Book absolutely free for the names.

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White African Guineas, White Japanese Silksis and Wissahickon White Wyandottes—Great birds, great layers, great hatches. Great bargains in non-related stock. Choice Pekin Ducks. Write for prices. Also fine Strawberry plants, "The Clovernook Beauty." Mention American Poultry Journal.

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### HAPPY HENS EARN BIG PROFITS

Keep your hens happy and laying by keeping them free from profit killing lice and mites. Equip your laying houses with

### KNUDSON Galvanized Steel LICE PROOF NESTS

These wonderful, sanitary, patented nests can't get out of order, last a life time and earn their cost many times over. Regular price, \$3.90, set 6 nests—special introductory price, \$3.50; 3 sets, 18 nests, \$10. Write for our free catalog. Galvanized Steel Brood Coops with Runs, Chicken Feeders, etc. KNUDSON MANUFACTURING CO., Box 470, ST. JOSEPH, MO.

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**BABY CHICKS—U. R. Fishel's White Plymouth Rocks the Best in the World**

**Smith's White Leghorns**

Winners at Chicago, St. Louis, Indianapolis  
First Pen at National Club Meet, St. Louis, Nov.-Dec.,  
1912. Stock, Eggs for Hatching and Day-old Chicks  
at prices consistent with quality. Booklet Free.  
Eugene C. Smith, 317 Galena Blvd., Aurora, Illinois

**Pardonner's S. C. R. I. Reds**

Eggs for Hatching—My birds have won in strong competition this past season, winning with something to spare. If you want something with class that will prove winners next year, I can furnish them. Prices on eggs and show records will be mailed on application. Satisfaction guaranteed. Have a few cockerels to sell.

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## IOWANA White Orpingtons

Bred For VITALITY, PRODUCTIVENESS, QUALITY

200 extra fine breeders in our twenty breeding pens.

Eggs ready for shipment. Write for Mating List.

Stock at very reasonable prices.

**IOWANA FARMS POULTRY DEPT.**

DR. BRYANT SMITH, Mgr. -- Box S -- DAVENPORT, IOWA



## Trap Nesting Is Invaluable

Not Only

## Buff Orpingtons

All breeds can be improved and the caption above points the way.

A few cockerels raised from my best family of trap-nested layers yet to spare—this **hot blood** is in demand; has put profit into many deteriorated flocks and will help you

### Orpington Fashion Plate Book Free

If you have bred Buffs long enough to **crave** the best, you will be delighted with this book, the description of my 25 yards and the price of eggs.

**A. E. Martz** Buff Orpington Specialist..... Box A, Arcadia, Indiana



## PARTRIDGE PLYMOUTH ROCKS

### A Strain with a Reputation and Quality For Those Who Want the Best

My twenty-page, handsome mating list, with colored cut, pricing eggs for hatching from twenty pens, will surprise you in elegance and prices of stock and eggs. It is mailed free to those who are seeking the best breed of the times, the best treatment, and reliable stock and eggs. My customers report winners, from my last season's eggs, all over the country. If you want to get in this class buy eggs or stock from Perkins.

My handsome thirty-six-page catalog and text book containing useful information, a colored cut of a pair of Perkins' Partridge Plymouth Rocks, mailed on receipt of twenty-five cents. It is worth the money.

You are losing time if you do not take up the Partridge Rocks. Will be glad to serve you.

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**R. C. CALDWELL** Ships Baby Chicks of Quality on short notice. See ad on page 653

**CARVER'S RED FARM, Seville, Ohio,** SEE AD ON NEXT TO LAST PAGE

# Blue Ribbon Poultry Farm Black Orpingtons

SPECIALTY BREEDERS

Catalog Free

**Blue Ribbon Poultry Farm Box A Columbus, Ind.**

## Barred Plymouth Rocks

The "Hoosier Strain" Barred Plymouth Rocks scored another sweeping victory at the Big Cincinnati, Ohio, show Jan. 23-29, 1913, winning best display, five silver cups, gold special for champion male, etc. We had twice as many points for best display as any competitor. This phenomenal winning added to our record of first cock at Chicago, Dec., 1911, second and third cocks and fifth pullet mated pen Chicago, Dec., 1912, five first and four second prizes at Indianapolis in 1912, is final proof that there is no better strain. **Eggs for Hatching:** Our pens are the best we ever mated and contain more National Show winners than the same number of pens owned by any other breeder in America and will produce the winners for next season's big shows. Prices for Eggs, \$1.50, \$5 and \$10 for 15. A few choice breeding birds for sale. Send for mating list.

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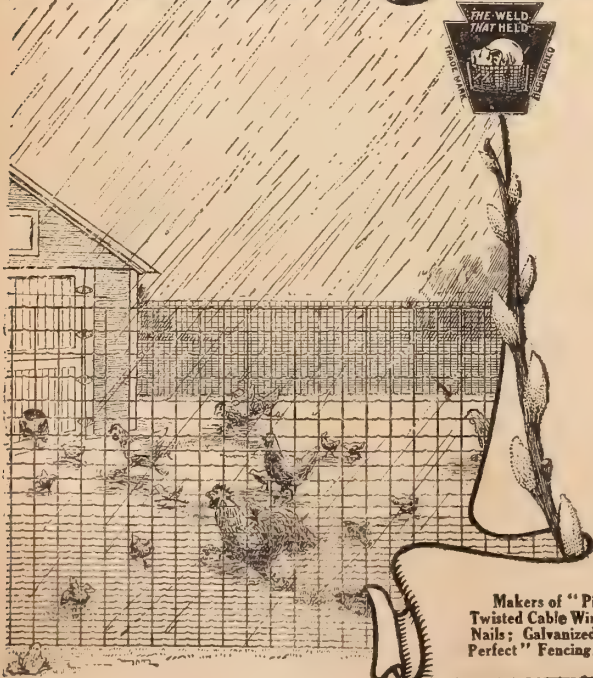
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### Halbach's Stay-White Strain White Plymouth Rocks

They won more than 68 other prominent breeders at such shows as the National White Rock Club Show, Chicago, Milwaukee (Fair), and Detroit. This record is far in advance of any other. It should assist you in purchasing your eggs and stock for new blood and foundation stock as well. Remember they hold the world's record by winning BEST DISPLAY at CHICAGO four times. A grand lot of breeders left. The kind that will produce you winners. Utility birds in quantity. The quick growing, heavy laying, big paying kind. Eggs from the best matings, \$15.00 per 15. Utility eggs, \$10.00 per 100. Just write today and be convinced of quality. Have anything you need and know that I can more than please you.

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The new "Pittsburgh Perfect" Chicken and Rabbit Fence keeps them just where you want them, and **effectually** bars out all prowling, destructive animals and vermin. Strung around your orchard, the rabbits can't get at the trees. Cheaper than fine-meshed hexagonal poultry netting and outlasts it many times. It is the very best investment in poultry yard equipment you can make.

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No wasted wire, no useless, dragging weight. Made of heavily zinc-galvanized Open Hearth Wire. Easiest to put up. Look best. Unequaled in strength, durability, economical cost.

Dealers everywhere sell "Pittsburgh Perfect," made in different styles for FIELD, FARM, RANCH, LAWN, CHICKEN, POULTRY and RABBIT YARD and GARDEN.

Write today for new catalogue telling how to test wire and erect fence.

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Makers of "Pittsburgh Perfect" Brands of Barbed Wire; Bright, Annealed and Galvanized Wire; Twisted Cable Wire; Hard Spring Coil Wire; Fence Staples; Poultry Netting Staples; Regular Wire Nails; Galvanized Wire Nails; Large Head Roofing Nails; Single Loop Bale Ties; "Pittsburgh Perfect" Fencing.





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L. O. KETTERING, Prop.

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## Canada's Best S. C. & R. C. Black Minorcas

Have proven themselves America's Best, which is the "Best in the World" at the American Black Minorca Club Show two years in succession, 1910-1911 and 1911-1912. They won the Director's \$50.00 Cup for best collection. Eggs for hatching from the best pens of Black Minorcas that were ever mated.

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At Madison Square Garden 1913

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Will they grow into birds that I can feel proud of and that will lay Winter eggs in quantities, or win the blue ribbons for me, or will they be just scrubs that's the question before everyone who buys day-old chicks. It is not the first price that counts, but will they be right at maturity?

### Caldwell's White Plymouth Rock (Fishel Strain) "Baby Chicks of Quality"

#### From Utility Matings

Will mature into long backed, well made birds pure white in color, that will be the secret of "Winter eggs." Every utility breeder is descended from known good layers that have been bred that way.

#### From Exhibition Matings

Will mature into blue ribbon winners. Every exhibition pen is made up of birds with good combs, of good type and chalk white in color, possessing the rich blood lines of generations of Fishel blue ribbon winners. Our birds were among the principal winners at the Indiana Fanciers' Show, Indianapolis, 1912.

#### A New Catalog Is Now Ready

One of the finest ever issued by any breeder. It tells just how "Baby Chicks of Quality" are produced and describes every grade of stock that we have to sell with prices. A copy is ready for you.

#### The Caldwell Selling Plan

Not only arranges for the man who orders in advance, but for the one in a hurry. Thousands of eggs are setting which will make possible

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**R. C. Caldwell : Box 1021 : Lyndon, Ross County, Ohio**

## FISHER'S BUFF ORPINGTONS

Are known America over, winning at all the prominent shows, including Madison Square Garden, Chicago, Cleveland, etc. Mention A. P. J. when writing. C. E. Fisher, Box 391, McConnellsville, O.

## ORPINGTONS

Eggs for setting. Four pens S. C. Buff Orpingtons, utility and show. Are hatching strong and 75% in Feb. One pen S. C. White Orpingtons. Pheasants and White Embden geese. Send for circular.

**JENNIE MILNER, NORMAL, ILL.**



## The Chicago Poultry Dry Mash Hopper

is all galvanized iron, is non-waste, rat, sparrow and wind proof Hoppers. Price \$4.50 to \$6.50. Send for free folder.

**GEO. L. POH**  
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Big Black Figures on White Background.

All colors, all sizes, for all fowls, and pigeons. Birds identified without handling. Saves time and labor. Very durable and practical. This is a modern 20th century band, everybody likes them. Baby chick bands, 18 colors, not numbered. Samples and catalog 2c stamp. Mention A. P. J.

**A. P. Spiller : Dept. A : Beverly, Mass.**

## \$60 PER HEN PER YEAR

SEND A POST CARD TO: DAY for The "Why and How of the Miller System." You will see that we positively guarantee each hen will net \$60 per year. Show our guarantee to your lawyer. Address: MILLER SYSTEM COMPANY, 15 7th St., Binghamton, N. Y.



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By the most exacting care and attention extending over a continuous period of more than twenty-five years, producing but a few birds each season and these by breeding from pairs and trios, I have established a type of White Wyandottes closely approximating standard requirements that reproduce themselves with marked uniformity. A cull rarely results from my matings and high class specimens predominate. While I do not claim to have the "World's Best" I do claim to produce a much larger per cent of high class specimens than any other breeder. My yards have been visited by many prominent judges and fanciers, not one of whom has failed to concede my claim. I have a few rare good birds that you can buy at prices you can afford to pay if you want something right, that you may know what you are buying. I send on approval and pay return charges if not entirely satisfactory. I am offering a few settings of eggs, not from stock mated for the purpose, but from the identical birds I breed from. Fertility is guaranteed.

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Over 42 Prizes Won in the Garden—December 1912, winners in Philadelphia.

**R. and S. C. Brown Leghorns**  
242 and 240 Big Egg Strains

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244 and 236 Big Egg Strains  
27 years breeding these large strains. No better strains in the world.

**White Wyandottes**  
Duston and Regal strains. They are of finest quality. Cup winners.

**Barred Rocks (Bradley)**  
Many firsts.

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Be sure and send for catalog. Eggs, \$2, \$3 and \$5.

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# B-U-S-T-E-D!

**Biggest Price Wrecking Sale**  
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An excellent opportunity to  
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## PRICES

Never again will such remark-  
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#### Corrugated Steel Roofing

**1 $\frac{1}{4}$ c Per Square Foot**

Here is the chance of a lifetime to buy the best roofing in the world, at a mere fraction of its real value. Our enormous buying power enabled us to pick up for spot cash a stock of this brand new, perfect corrugated, "V" crimped and Standing Seam Roofing and Brick Siding, at a tremendous sacrifice—way under what it is actually worth. Immediate cash needed made possible this purchase. Just another chapter added to the long list of our famous bargain sales.

#### Corrugated Steel Roofing Practically Indestructible



There is nothing else that compares with corrugated steel roofing for real protection. It makes a long, lasting roof. Is fire, rain, frost, wind, sun and lightning proof—warmer in winter—cooler in summer; and under ordinary circumstances does not leak, rot or warp, neither does it taint rain water. You can depend upon it that Corrugated Steel is the best material for roofing, siding and ceiling.

At 1 $\frac{1}{4}$ c per square foot, we furnish our grade AB-700 Steel Roofing, in sheets 22 x 24 inches x 1 $\frac{1}{4}$  inches. This price is delivered on board cars at Chicago.

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**2 $\frac{3}{4}$ c Per Square Foot**

Another big Steel Roofing Bargain. Several thousand squares of the very highest grade specially coated, corrugated, galvanized roofing and siding, made of specially prepared steel, of superior quality. Best roofing, and will last indefinitely. We will furnish it in suitable lengths for any purpose. Only a limited quantity on hand, so we urge you to send us your order immediately. Don't wait to write us again—order today, while this stock exists. Price only 2 $\frac{3}{4}$ c per square foot, and will outlast 4 to 1. Just drop us a line, and tell us the size of your studding and general facts, and we will help you to select proper sheets. If you are not ready to use the material now, we will reserve it for future delivery, if you will give us a small deposit on account. This price of 2 $\frac{3}{4}$ c per square foot is for our Lot AB-800 corrugated material, and is delivered on board cars at Chicago. If you prefer some other style, we will furnish it. We have this same grade in "V" crimped, Standing Seam and Brick Siding. Samples on application.

#### Ready Roofing With Supplies

**62c Per 108 Square Feet**



We have several thousand squares of a superior quality Ready Roofing, which we are offering in our AJAX BRAND, 1-ply, at a price of 62c per square of 108 square feet, including necessary cement and caps to lay it. This is undoubtedly the most remarkable bargain ever offered in Ready Roofing. This famous brand is put up 3 or 4 pieces to a roll. The price of 62c per square of 108 square feet is loaded on board cars at Chicago. We will, however, make a freight prepaid price on this same grade of roofing, including nails and necessary cement of 75c per roll of 108 square feet, and at this remarkably low price

#### We Pay the Freight

In full to any point east of Kansas and Nebraska and North of the Ohio River.

We will also furnish 2-ply, at 90c; 3-ply, at \$1.05. This Ajax Roofing is guaranteed to wear as long, and give as good service as any Rubber Surface Roofing on the market.

#### Send for Special Roofing Catalog and Samples

Write at once for our Special Roofing Catalog. Free samples and full instructions for laying roofing.

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The Chicago House Wrecking Company known to the commercial world as the "Great Price Wreckers" is easily acknowledged the bargain house of the earth.

Our Mammoth plant covers 40 acres, and our list of customers are numbered by the hundreds of thousands, and include people from every walk in life. We sell practically everything under the sun at unbeatable prices. We buy our goods at Forced Sales, taking advantage of Sheriffs, Manufacturers' and Auction Sales. In this way we can sell brand new, clean high-grade goods at prices, in many instances even less than the cost of manufacture.

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Our capital stock is \$2,000,000. Any bank or Commercial Agency, or any publisher will confirm our responsibility. We have advertised in this paper for many years. Ask its publisher what he thinks of the Chicago House Wrecking Co.; get his personal opinion of the values, and our square methods of doing business. We guarantee each and every article that we sell to be exactly as per our representations. Should you buy anything from us that fails to come up to our representations, or does not agree with your expectations, we will take back such unsatisfactory merchandise at our freight expense. We want satisfied patrons.

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Complete houses and barns at an enormous saving. Never before in the history of Building Material has such an opportunity existed. We offer high grade, brand new complete lumber and building material needed for the construction of houses and barns at lower prices than ever before.

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You can get the kind of service that will give you absolute satisfaction—satisfaction from the word "go." If you have ideas of your own as to the kind of building that you want, we will give you the benefit of the Greatest Architectural Department in the world. Will furnish you with plans according to your own ideas, and will quote you a price on the material that will make you a wonderful saving. Dollars saved are dollars earned.

Write today for our Book of Plans and Latest Catalog of Building Material and Supplies.

#### Brand New WIRE FENCING

**Less Than 1c Per Running Foot**

Biggest of all offers of the past. We come to you with the most wonderful proposition ever known, and offer you the very best woven wire fencing at a fraction of its real value; lower in price than ever before, not withstanding that all other merchants and manufacturers have advanced their prices on fencing. We are determined to simply get all the business in sight, and with that in view, we bought up from manufacturer's sales, 150 carloads of High Grade Woven Wire Hog, Cattle, Field and Poultry Fencing, Barb Wire and Nails, in quantities sufficient to take care of our regular customers and those who will quickly respond to this advertisement.



#### Barb Wire Less Than 2c Per Rod

Galvanized, two-point Barb-Wire, full weight (not the light kind) put up regular on spools, containing about 100 lbs. to a spool. It is made of No. 12 $\frac{1}{2}$  wire, with good weight barbs. Price per 100 lbs. during this sale, only \$1.95. Order by Lot No. AB-600. Several thousand spools of this Barb Wire, Painted, price per 100 lbs. \$1.75. Order by Lot AB-500. Also have in stock 1000 spools of light weight, new galvanized barb wire, put up 30 rods to the spool, made of No. 14 galvanized wire, No. 15 barbs, barbs 5 inches apart; price per spool of 80 rods \$1.45. Lot AB-400. We also have several other bargains. You never had a chance like this before, and we advise that you send us your order today. Don't wait until the material is sold—we cannot hold this quotation open.

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**AT A MATERIAL REDUCTION IN PRICE**

100,000 rods of 26 in. Galvanized Steel Spring Wire, 26 in. high, hog fence, put up in 10, 20, 40 and 60 rod rolls, made with 7 bars, spaced 12 in. apart, with No. 9 top and bottom wires, No. 11 intermediate wires, heavier than the regular fencing offered. Price per rod, during this sale, only 15c. Order by Lot AB-900. Same fencing spaced 12 in. apart, per rod during this sale, only 21c. Order by Lot AB-1000. Other heights at proportionately low prices.

#### High Grade Poultry Fencing

**48 in. HIGH PER ROD 27c**



A complete stock of all heights of Woven Wire Fencing for every purpose. Do not delay your order, but send it in at once, even if you are not ready to have it shipped. We will hold the material ready to deliver when you want it.

#### Several Carloads of Galvanized Wire Shorts

This is smooth wire, put up 100 lbs. to a coil, first-class for general use. Comes in sizes from 6 to 15 gauge. Price for 9 gauge, \$1.25 per 100 lbs. Lot AB-1200. Other sizes in proportion.

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At last we have the bargain of bargains. 10,000 kegs of genuine gray iron wire nails; will outlast all other kinds. Put up in regular kegs. Price per keg of 300 lbs., as follows:—

10 pennyweight, \$2.00    8 pennyweight, \$2.10  
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Also 5,000 kegs of Nails, mixed all kinds in a keg; good assortment, handy to have around your workshop. During this sale only, per 100 lbs., \$1.45. Order by Lot AB-1100. We have other bargains in nails.

Also, in this same job, we have 5,000 kegs of Fence Staples, galvanized; per keg, \$2.00. Lot AB-1400. Crimped wire for reinforcing, cut to any desired length; per 100 lbs., \$2.25. Lot AB-1300.

We have bargains in every line. Write us today for our Wire and Fence Catalog, but the best thing for you to do is to send your order now, and we will hold for shipping instructions.

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Without any obligation or promise to buy, please send me the following catalogs and full information free:

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Eggs from a carefully selected pen of Imported Birds. Mated right. Prize winners assured. Satisfaction guaranteed. Eggs, \$10 per 15  
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Buff and White, Blue Orpingtons, Buff and White Faverolles, Campines, Dogs.  
**ANY BREED PURCHASED TO ORDER**

Eggs—\$20, \$15, \$10, \$5 per setting; freight free to New York. Stock—\$35, \$60, \$100 per trio. Unfertiles replaced.

Write for stud record of wins for five successive years at Dairy, Palace and Club Shows, besides hundreds of wins all over America and South Africa by her customers. Agents Wanted.

## Covert's Barred Rocks Win

Again at Pittsburgh Great Exposition show, Jan. 1913, 4th cock, 2d pullet, 1 pen pullet mated, 2d pen cockerel mated

**CHICAGO, 1912** In the largest and best class of Barred Rocks ever brought together either east or west, 393 birds in all. First cock (29 in class), first and fifth hen (79 in class), second cockerel bred hen. The first and fifth hens are the same birds that won last year as pullets. I have also won at Buffalo, Cleveland and many other large shows during the past five years, demonstrating I have been and am producing exhibition quality for I raise all the birds I exhibit. My matings this year will be superior and I can supply your wants in either stock or eggs. Ten grand pens cockerel and pullet matings. Send for mating list. I guarantee to please you in your dealings with me. Write today, mention A. P. J.

**Covert Barred Rock Farm : Ashtabula, Ohio**

## CHAMPION LAYING STRAIN

# BUFF ORPINGTONS

### Record Breakers as Winners and Layers

Read these recent victories made by my birds and you will be convinced of their grand exhibition quality.

They won at Mineola, L. I., N. Y., Sept. 1912, 1st, 4th cock; 1st, 2d, 4th, hen; 1st and 4th cockerel; 2d pullet; 3d pen; Mineola Fair, special best display. Special, best cock, hen, cockerel and pullet, 103 Buff Orpingtons competing. They won at Hempstead, L. I., N. Y., 1912, 1st cockerel and color special, one color special for entire class of Buff Orpingtons. This cockerel won Silver Cup, best cockerel; Silver Cup, best Orpington in show; Silver Cup, best Buff Orpington in show, 1st, 3d, 4th and 7th hen;

4th pullet; 1st and 4th pen; Silver Cup by Hempstead Show, best display; Silver Cup by National S. C. Buff Orpington Club, best display; Silver Cup, best hen. Making in all 6 silver cups. Grand prize, Silver Medal, by American Poultry Association, for the best cockerel in the American, Asiatic, Mediterranean, English, Polish, Hamburg, French, Game and Oriental classes. Diploma by American Poultry Association, for the best males under one year in all standard varieties. Poultry Fanciers Association of Long Island, handsome diploma with gold seal and pendant ribbon, for best cockerel, hen and pen. Blue Ribbon for best dozen eggs, brown shelled; and five other specials, winning three times as many points as nearest competitor. The above remarkable winnings make my birds "Champion Prize Winners," and must convince you I have only "Quality Buff Orpingtons." But what good is a hen if she won't lay. You should be equally careful to select a "Laying Strain."

### MY STRAIN UNEQUALLED AS LAYERS

I have had pullets laying at 4 months, 19 days old, and lots of them laying before they are 5 months old. I have records of 8 pullets laying 217 eggs in 30 days. So you see my birds lay as well as win and no doubt that is the kind you want.

### MY GRAND CHAMPION MATINGS

I have 10 Grand Pens containing all the above winners and other carefully selected breeders. I have my blood lines well established and know how they breed, and I assure you stock hatched from any of my matings will please you. I have a range of prices to suit all customers. Eggs from my "Grand Champion" matings only \$15 per 15; other fine pens, \$10 and \$5 per 15. Fertility and satisfaction guaranteed. Send for my 1913 mating list containing illustrations of my prize winners and description of matings.

**I. BROOKS CLARKE : DEPT. C : NEWARK, NEW JERSEY**  
Formerly of Hempstead, L. I., N. Y. New York State Vice-President National S. C. Buff Orpington Club. Member A. P. A. Agent for the Simplicity Automatic Poultry Feeder and Exerciser. N. B.—Some special bargains in stock at this time.



A. P. A. Medal won by My Champion Cockerel



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S. C. WHITE ORPINGTONS**

At Toledo and Cleveland Shows, 1913, fifteen entries all told, we won three 1sts, three 2ds, four 3ds, two 4ths and best local cockerel. Our breeding pens contain above birds together with sons, daughters and brothers of Madison Square 1st prize winners. Eggs and baby chicks. Hatching now. While they last we will sacrifice offspring from above stock. Pullets in groups of (not fewer) three, \$4 to \$6; five, \$7 to \$10; ten, \$12 to \$20. Cockerels, \$3 to \$15. Pairs, trios and pens from \$5 to \$15. Send your price and wants and we will ship the birds. First come first served.

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**S. C. BUFF LEGHORNS, 22 YEARS  
COLUMBIAN ROCKS, 8 YEARS**

Prize takers. They please the buyers.  
Stock and eggs for sale.

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"Profitable Poultry." Finest published, 128 pages practical facts, 180 beautiful pictures. Tells how to breed, hatch, feed and market by latest improved methods. All about world's famous Runner Ducks and 52 other pure-bred varieties. This 50-cent book and lowest price list of best fowls, eggs, incubators, supplies, etc., only 5 cents.

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The Fishel Type White Runners

**The Best  
— IN —  
White Runners**

have for the past three years been produced by us. The Winners at most all the leading shows for the past three years have come direct or indirectly from our yards. Our Ducks have won the leading prizes at New York, Hagerstown, Knoxville, Great Appalachian Exposition, Indianapolis, etc.

If you want the Best in White Runners, write us, please  
Eggs \$8 per 12, \$15 per 30, \$40 per 100

Mrs. U. R. Fishel, Box A, Hope, Ind.

**GOLDEN & BUFF WYANDOTTES**

1st Cock and Champion Male, Chicago, December, 1912, heads one of my pens this year, and many other males of equal quality. Eight pens of Golden and two of Buffs. Write for my list now ready. Mailed at once upon receipt of 2-cent stamp for postage.

J. S. PENNINGTON -- BOX A -- PLAINFIELD, ILLINOIS

**ONEIDA INDIAN REDS**

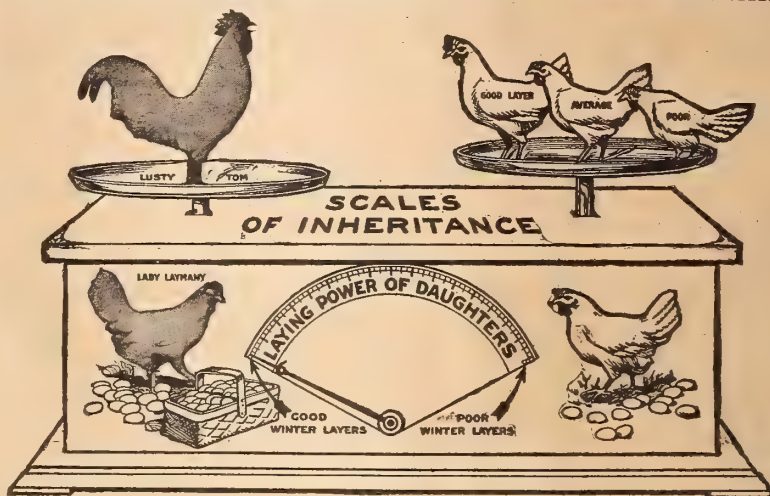
The Strain that has made the Breed Famous. Our Rose and Single Comb Reds made the most sensational win by winning more prizes than all competitors combined. This we consider the greatest triumph of the show season at the Pittsburg Fanciers' Club Show, February 17th to 22d. We made ten entries in Rose Comb Reds and one pen of Single Comb Reds. We won on Rose Combs, 1st and 3rd cocks, 1st and 4th cockerels, 2d and 3rd hens, 1st and 4th pullets; 2d on single comb pen, 40 points for best display. All other exhibitors combined winning 43 points. We won all three silver cups offered on Rose Comb Reds, seven out of eight club specials for color and shape. Our Rose Comb Cockerel, "The Pittsburger," won the sweepstake cup for best Rose Comb in the show. We have stock, eggs and baby chicks for sale. Don't fail to get our large illustrated catalogue which is free. It has more valuable information on Reds than any other catalogue issued.

ONTARIO VIEW POULTRY YARDS - ONEIDA, NEW YORK

**BARRED PLYMOUTH  
ROCKS****210 Eggs in 259 Days**

This was the official record made by one of the females in our pen at the International Egg Laying Contest at Storrs Agricultural College last year. Our five birds in this pen made a record of 836 eggs in 9 months and 11 days of actual laying. Eggs for hatching. Send for catalogue.

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S. M. GOUCHER, MOORESTOWN, N.J.

**THE MALE IS MORE THAN HALF THE FLOCK**

Dr. Raymond Pearle of the Maine Experiment Station has lately made known to the world a wonderful discovery, as the result of careful experiments with hundreds of laying hens, covering a period of nine years.

Dr. Pearle has discovered that the ability to lay a large number of eggs is not inherited by a pullet from her mother, but that a male from a high producing hen gives to his daughters the character of large egg production, regardless of the number of eggs laid by their mothers.

He found that the only way to increase the number of eggs per hen per year is by the use of male birds in the breeding pens which are the sons of heavy laying hens. The males in Yesterlaid breeding pens are from trap-nested heavy laying hens—vigorous, sturdy fellows that pass their vigor on to their chicks. Hereditary constitutional vigor, that's what you want in your chicks.

Yesterlaid breeders produce perfectly

**POULTROLOGY—"Best Poultry Book ever written"**

That's what the people say who have read it. Beautifully bound; 144 pages; 70 pictures, drawings and plans. Tells how to feed hens to make them lay when the weather is coldest; how to get 60c a dozen for eggs when the market price is 30c; how to mix rations that make chicks grow rapidly, that make hens lay, and that fatten broilers in 7 to 12 days and hundreds of other things you want to know. Price \$1, postpaid. Write for special new customer offer which includes "Poultryology" free.

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shaped, chalk-white big eggs; their pullets lay early—at four months—in customers' hands. Yesterlaid Leghorns are exhibition fowls too. Chicks hatched from their eggs win in the hands of customers; names on request.

The Yesterlaid method of selecting, mating and feeding insures heavy laying and big hatches. The State Experiment Stations and other Institutions recognize the Superiority of Yesterlaid Leghorns. Fifteen Experiment Stations have bought Yesterlaid stock or eggs.

If you want Yesterlaid eggs that will hatch big, husky, quick growing chicks for you this season, order at once. Last season Yesterlaid customers had to "stand in line" and wait their turn for hatching eggs—the demand could not be fully supplied until almost June. Don't you be one that has to wait this season. Place your order now.

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# S. C. Black and White Minorcas

In the past 23 years of our breeding the Minorcas has given us the experience to know what this grand breed is. And we have matings that are as good as the best. Eggs for hatching at reasonable prices. Write

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## Day Old Chicks of Quality

That Will Live, Thrive, Grow and Win for You

S. C. Buff Orpingtons  
S. C. Black Orpingtons  
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White Plymouth Rocks

S. C. Rhode Island Reds  
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Buff Plymouth Rocks  
S. C. White Leghorns  
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CHICKLET CATALOGUE

Chicks from 10 cents up. Shipments guaranteed to reach destination safely. Chicks replaced. Our equipment includes the highest priced machines on the market, backed by our twenty years' experience, enables us to furnish you chicks that are well hatched, vigorous, strong and healthy. Hundreds of satisfied customers. Poorly hatched chicks prove expensive items even though they are given to you. Start right by sending for our chicklet catalogue today.

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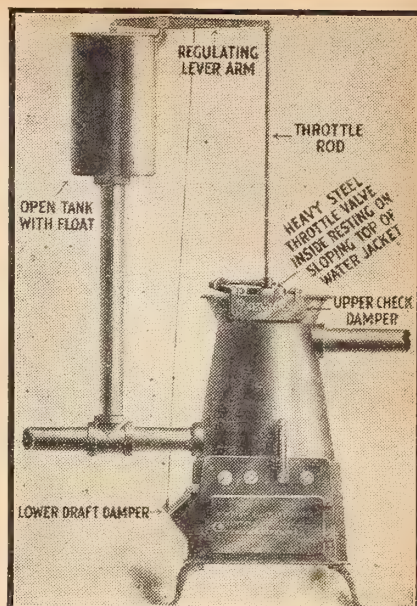
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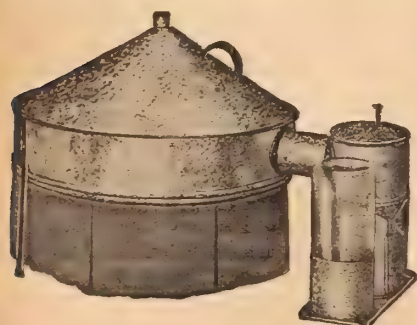
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### IMPERIAL GOLDEN BUFF PLYMOUTH ROCKS

Set the seal of championship at the imperial show of all America, Madison Square Garden, New York, winter of 1911 and 1912. At the Buff Rock Club meeting at Boston, 1912: 1st, 2nd and 3rd hens; 1st pullet; 6th cock; 4th pen. Write for mating list. Eggs, \$5 and \$10 per setting. Nescopeck Poultry Farm, S. H. Harter, Prop., Box A, Nescopeck, Penna

## Brinkley's White Plymouth Rocks

"The Great Armory Show," 1912, Louisville—Brinkley's White Plymouth Rocks won more 1st and 2d prizes than all competitors combined. More special prizes were awarded Brinkley's White Plymouth Rocks than all competitors combined. "Jacksonville, Fla.," 1913—They were all there. The very best of them were there. Birds of the "Best in the World" strains and Owen Farms, also many other winning strains. Brinkley's White Plymouth Rocks made the greatest victory of the season, winning 1st and 2d cocks, A. P. A. medal for best male in the American class, 1st and 2d hens, silver cup for the best hen in the show, gold leg band for the best female in the American class, gold special for the whitest bird in the show, 1st and 2d cockerels, 3d and 4th hens, 3d prize pen. The best in the south. All these winners are mated in our 1913 grand matings. All regular matings, \$5.00 per 15. Special matings, \$10.00 and \$15.00 per 15. Utility eggs, \$10.00 per 100. Send stamp for beautiful mating list.

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Madison Square Garden, New York, Winners—First Prize Hen and Second Prize Pullet were won by my birds, shown by me at the Great M. S. Garden, New York, Show, 1913. Birds of my breeding have also won at Philadelphia, Hagerstown, etc., this season and in years past. But this New York win stamps them among the leading and best lines of the world.

Exhibition Females My Specialty—My First Prize Pullet Bred Cockerels at Philadelphia and at Hagerstown were the sensation of the Barred Rock Class, in shape and line barring with the richest of color and best of breeding quality. Both are in same line as my First Prize Hens at New York and Philadelphia.

I now offer a few females and several Breeding Cockerels for Sale of the same line breeding at special prices while they last. Write me now. Cockerels at \$5 for quick sales. Some selected ones of special merit for \$7.50 and \$10. They are worth double that to any one who wishes to breed high class females. Pullets of my breeding have won first and second at the great Philadelphia show and at others as well. I assure absolute satisfaction to all. Write me.

**SPECIAL**—After April 1, I will offer for sale at special prices a choice lot of my breeding females, now in my pens. Write for particulars.

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## IT'S NO WONDER

THAT TRADE COMES BACK FOR

### Duston's White Wyandottes

READ THIS:



Pemberville, Ohio, 2/28, '13.  
Dear Sir: In reply to yours of the 19th will say you may use my letter regarding "Buster" which is one of the winners hatched from your eggs. 1909, won 1st at Elmore as a cockerel, 2d at Tiffin as a cockerel, score 94½. 1910, won 1st at Tiffin as a cock, score 95 (Falkner); 1st at Elmore, score 95 (McClave). 1911, won 1st at Elmore, 1st at Pemberville, 1st at Woodville, 1912 and 1913, won 1st at Bucyrus, score 94½ (Hawkins), 2d at Cleveland, score 95 (Emch), 1st at Pemberville, 94½ (Ira Keller), 1st Woodville, 94½ (Northrup). All judges scoring from 94½ to 96. I have had him against birds shipped from — and other large breeders to trim him but he only got it once and that was on account of his tail not being developed entirely for the show room at Cleveland. Remember I have been in hot classes with him against breeders like (several prominent mid-west breeders), and others. I have two hens and two pullets as good as he is, all his get. I have 1st, 2d and 3rd pullet of his mated to him. Scores, 96, 95½, 95½. So you see I may get something next year. I have all kinds of medals, badges, etc., won by this bird for special shape, solid color, highest scoring in show, from National White Wyandotte Club. Very truly,  
C. C. GRENIER.

I can show scores of such letters. That's breeding! That's class! That's breeding lines! That's producing! That's Duston! Don't it show you that the line you want must be a breeding, producing, winning line? Then order eggs direct from this ad from the finest of matings and I will tell you how to handle and mate them so you won't have to lay awake nights trying to keep track of matings. Eggs from best pens \$10.00 a set. Two sets \$18.00. Three sets \$25.00, or \$50.00 in hundred lots. My mating list free yet for sale. Three wonderful winning cocks. Write. Illustrated catalogue sent on receipt of 15 cents.

ARTHUR G. DUSTON, Box 1020, So. Framingham, Mass.



**R. C. Caldwell** Ships Baby Chicks of Quality on short notice. See ad on page 653

## SMITH'S SINGLE COMB BUFF LEGHORNS

The largest Buff Breeder in the world and the world's best blue ribbon winners and winter egg layers. I have mated this year over 1,500 fine breeders that are the pick of over 47,000 birds raised in the last 4 years and winners from 13 of the big shows.

Stock for sale at all times, 1 bird or 1,000 birds. Eggs, \$2 per 15, \$10 per 100, \$75 per 1,000 and up. I have incubator capacity for over 10,000 eggs every 3 weeks, and expect to hatch over 40,000 day-old chicks this year from good, strong, big, vigorous birds that range in age from 1 to 4 years, and the chicks will live and grow fast. Day-old chicks, 25 for \$6, 50 for \$11, \$20 per 100, \$180 per 1,000 and up. Get my guarantee on stock, chicks and eggs before you purchase your stock. Send 10 cents in stamps for catalogue and find out how to raise 150 pullets to the age of six months for 15¢ cents each.

F. S. Smith, :: Life Member A. P. A. and Life Member American Buff Leghorn Club :: Box C and D, Hamilton, Ohio

## SINGLE COMB RHODE ISLAND REDS

The Verdict Is in and Victory Unprecedented Is Ours

At the great Philadelphia show December, 1912, our line of S. C. Reds won the leading and classy prizes of the entire show in competition with all birds shown. They won 1st cockerel, 1st hen, 2nd and 3rd pullets and 1st pen in a class of 122 birds. Our 1st prize cockerel was awarded the cup for the best cockerel and the best bird in entire show with everyone of the 4,000 birds competing. He also won color and shape specials with other specials for our entire entry, including the State cup for best display. At Cleveland, Ohio, January, 1913, we won 1st cock, 1st cockerel, 1st and 3rd hens, 1st and 2nd pullets and 1st pen. Here our cockerel was awarded the A. P. A. silver medal for the best bird in show and we also won color and shape specials on male and female. At Pittsburgh show, February, 1913, we won 1st cock, 1st hen, 1st and 2nd pullets, 1st pen and 1st cockerel and Champion cockerel again winning the A. P. A. silver medal for the best cockerel and bird in the entire show, and color and shape specials on male and female. At Cleveland, Ohio, January, 1912, our first prize pen was the sensation of the show, judges and breeders saying they never saw anything like it for quality and evenness. Write us your wants. If you want quality birds or eggs for hatching, we can supply you. Absolute satisfaction guaranteed to all. Mention American Poultry Journal when writing.

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If your chicks are not doing as well as you would like, if they are dying of this horrible scourge called White Diarrhea, get a Simplex Brooder Stove and get them growing as you never before saw chicks grow. A Simplex will stop bowel trouble once and for all. The Simplex will turn your varying success and failure into one thing—success you never dreamed possible. It will put the profits into your pockets instead of dead chicks. It has saved hundreds of breeders from utter failure. It will save you. Just nature, fresh air, which can be provided only by the Simplex System, will not only stop that terrible scourge, but better still, will prevent it. Chicks around a Simplex are always happy, healthy and sturdy. They grow into dollars



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"SUCCESSFUL BROODING" is the title of a book written by N. P. Husted and is the one book on Brooding that tells you something. It tells how to raise chicks so as to get hens that will lay plenty of fertile eggs any month in the year. **50c** Sent postpaid for

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We extend you an invitation to visit Simplex Farm and see the Simplex Brooder Stove working. We have stoves now in operation with 1500 chicks around them. Call at our offices in Grand Rapids at 10 a. m. or 2 p. m. and we will take you out to Simplex Farm free of charge.



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## STANDARD LINE-BRED S. C. WHITE LEGHORNS

EXCLUSIVELY

### I HAVE THE CHICAGO WINNERS

Which have swept the platter clean the last four years and have won more prizes than all other exhibitors combined. My strain in customer's hands "like Parmenter and E. W. Grove" has won what few prizes I lost at Chicago, which proves that I sell you eggs and stock from my best birds. My most recent winnings were at the big Louisville, Ky., Dec. 23-28, 1912. The stronghold of the South, where I won. 1, 3, 4 cock; 1, 2, 3 hen; 1, 2, 3 cockerel; 1, 2, 5 pullet and 1 pen, in class of over 150 birds. The cream of the south. Every bird entered by me was placed.

### DON'T BE MISLED

And get your start from a bought reputation, but buy from a specialist who can prove conclusively by his winnings that he breeds the birds himself and knows the art of doing it. The Iowa, Oklahoma and Pennsylvania State Departments of Agriculture and United States Department of Agriculture are among my customers. They know where to buy the best grade of stock for demonstration and experimental purposes. I have plenty of "Stock Eggs" for "Hatching" and day-old "Chicks" to offer of the best quality I ever owned or saw. Write me your wants. Inclose 10 cents in stamps or coin for the original book of information on "Parkside Strain" of S. C. White Leghorns.

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The originator of this famous strain that has made the Reds one of the most popular breeds of fowl on earth, always at the front both in the show room and laying contests.

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 MADISON SQUARE GARDEN—Dec. 1911

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 Best hen in show.  
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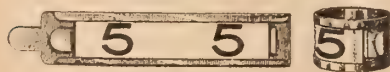
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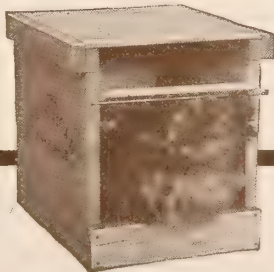
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## Stoddard on That Remarkable Bulletin

A Detailed Review of Dr. Pearl's Recently Issued Bulletin of the Maine Station—Part 1

By H. H. Stoddard, Riviera, Texas



THE MANAGING EDITOR asks me to review Bulletin 205 of the Maine Station, a publication he has called "rather remarkable." Yes, rather!

Shall treat the Bulletin at considerable length, because the citations of eminent authorities which are appropriate have a value of their own, irrespective of their bearing on the subject matter of the Bulletin, and convey facts which are too often unknown or unconsidered by poultrymen.

First impulse is to draw my pen at one fell swoop through half a hundred pages of the truly curious production in question. Will explain by the story of the lawyer and his client. The latter, having

been put in jail, preparatory to trial sent for a lawyer to find whether his arrest was legal. The lawyer on examination found that it was not, and exclaimed with indignation, "Why, they can't put you in jail for that!" "And I tell you I am here."

The Bulletin teaches that high fecundity cannot ever be inherited from hens by their female progeny. But it is often thus inherited, that's all. Thousands of things are inherited by daughters from their mothers. Look at the children of the families living near you. Some take after their fathers and some after their mothers, do they not? Some inherited peculiarities like size, height, complexion, etc., which you can perceive across the street mayhap. Dispositions and the female line, especially to sons. If from the roll of the world's great men were stricken all the "mothers' boys," a ragged roll it would surely be.

various abilities have also often plainly descended through In itself, the universal use of the term "mother's boy" proves how continually the fact of descent of traits in the female line is impressed upon common observation.

It may be objected that although hundreds of other traits descend from mothers, including things both physical and mental and moral as well; yet those in which the function of reproduction is concerned are an exception. But the man is in jail. The laying of an egg concerns the organs and functions of reproduction, now doesn't it? Well, you know well enough that color of the egg shell comes from the mother. A hen of the white egg persuasion lays a white egg irrespective of whether the male she was mated with was of a light or dark shelled race. If the male is dark shelled, the female progeny of the union will either lay eggs intermediate in color or a part will be light and a part dark, showing that the power of determining egg shell color exists in both sire and dam.

Just so the shape and size of her eggs is determined by the mother, and surely she has her say-so in regard to the size, shape and color of her chicks also. Biddy is very strenuous in having a finger in the pie in regard to matters concerning the reproductive function and heredity. I last year procured some beautifully mottled gray hens for sitters, and their shape, size and disposition being so perfect for the purpose, I later stocked a breeding pen with them in which I placed a pure bred White Rock male. Result: some chicks

snow white and others with the exact tint and mottlings of the dams to a T.

But, says the objector again, "though you have proved that the reproductive powers of the female may entail certain traits such as size, shape, color, etc., this is not proving that the trait of high fecundity itself can be bestowed by her." Well, let us see about that.

First, let us look over nature's broad field. It has long been known that wild birds, reptiles, fishes, the higher animals like quadrupeds, the lower ones such as insects, and even plants, follow the same laws in such matters as we are now discussing. Even plants are endowed with sex as much as animals are, though this fact long remained undiscovered. High fecundity is inherited in the female line, everywhere—prairie, mountain, lake, river and ocean's depths.

Some breeds of sheep possess low fecundity, bringing forth but one at a birth. This trait is inherited, there being hardly an exception in a hundred cases. Another breed uniformly brings forth twins or triplets, and this high fecundity is inherited, too. In some families of humans high fecundity persists in being bequeathed from great-grandmother down, twins appearing, with occasionally triplets for a change. The luckless wight who courts one of the young ladies of such descent through a line of grandmothers has a hard time with his bachelor comrades, who tell him he must have lots of courage or lots of cash, or both would be better. Note that the unusual fecundity comes down the female line.

So much for a broad generalization. But Dr. Pearl may not care for a broad outlook on the whole animal and vegetable world. He may say that he is concerned only with bird life. Well, please look here a minute. Papa and mamma woodpecker both labor hard cleaning out a tree hollow, and a chickaree squirrel comes regularly and robs their nest, and every time, the hen bird, in obedience to the holy instinct of perpetuity, lays another egg. Dr. Woods alluded to similar cases in last month's American Poultry Journal, where fowls and pigeons were concerned.

It is hard to see that anything other than the hen bird's own individual mind made her keep on laying. She probably would have kept laying, for a while at any rate, if her husband and the chickaree had both been killed the same day, for our fowls will certainly lay after their accustomed male companion is killed, or if they had never had one at all. The mind of the female has power over her body to influence fecundity, that is certain, for if you move a lot of hens and shut them up in a strange place, they will after two or three days stop laying nearly or quite altogether. There need not be any rooster in the flock at all to bring his powerful intellect to bear. The hens need never to have seen a rooster in their lives. Their own minds can control fecundity without any male mind to assist. Can control it either way to lessen and increase.

But still our doctor of philosophy may object. He may claim that all I have said is not to the point. He may urge that the innate power itself which the females possess to manifest in an emergency an exceptional "provisional fecundity"; or, on the other hand, ability to check fecundity, runs through the race for generations and always through eggs that are fertilized, and therefore the male sex has an



opportunity to become the sole custodian of the trait of fecundity and of the power to transmit it.

In other words, high fecundity is brought about through the element of fertilization contributed by the male. That he care not about an individual case of a bird robbed of her eggs in a hollow tree or of hens stopping laying because shut up in a strange place. That these are incidents or accidents merely, where the power finds expression. That the power or faculty or attribute itself is what descends and always in the male line.

In answer let me come right down to brass tacks. Take a cock that you know has good laying blood, because, first, you raised a lot of pullets from him that, as pullet-hens, laid remarkably well and decidedly better than their mothers, showing that he not only possessed the right fecundity

of mothers are mated to males of equal tendency towards begetting the quality of high fecundity.

Now I would not be misunderstood. I do not deny the influence of the male bird in helping to build up a strain of great laying. Neither do I know anybody who does. The trapnesters and alleged 200-egg strain founders to a man always prefer males from prolific mothers. What I do deny is that dams have no finger in the pie of hereditary fecundity. They have a great deal to say about it.

In humans, traits distinctly masculine may be transmitted to sons by mothers, and feminine traits to daughters by fathers. Paradoxically, a man may hand down a quality he never had himself, and a woman may bequeath through descent what she never possessed personally.

In the live stock realm, ewes of a breed of sheep, the females of which are hornless, after mating with a breed, the rams of which have very big horns, give male lambs that have big horns. Ewes that are hornless themselves, when mated to rams of a breed both sexes of which are horned, will yield not only horned male lambs but sometimes horned female lambs. A bull possesses no quality of milk, but can transmit richness to the milk of his daughters or on the other hand a blueness and poverty of the lacteal fluid that will set the inspectors on the track of the hapless milkman.

To find what the power of character is in the power of transmitting unusual fecundity, no elaborate mathematical tables or technical calculation need be used. Neither "words of learned length and thundering sound" are necessary in explaining to the everyday practical poultryman useful facts and truths.

The procuring a male bird of prolific stock by paying attention to the prolific qualities of his ancestry and sisters,



element but was prepotent in transmitting the quality. Second, all his sisters were great layers. Third, his father and grandfather and uncles were proved to have been of high fecundity stock. We mention also that if his grandmother and great-grandmother and all his female cousins are good layers, too, this will do no harm.

Now behold the bird of proud lineage, the cock of the walk, indeed, who is charged up to the muzzle with the fecund principle. He even walks as though he were "stepping on eggs" and full of eggs. Mate him to a fair-sized flock of hens, proved by careful previous records to be of diverse fecundity, no two alike and ranging from medium to high.

You will get pullets of varying fecundity, that's what you will get. They will be likely, in fact, to vary even more than their mothers.

Is not the instance pat? Is it too general or vague, or have I come right down to brass foundation, as I said I would? Yet Dr. Pearl declares, page 388, "the same proportion of daughters of high fecundity may be obtained from mothers of low fecundity, as can from those of high fecundity, provided both sets of mothers are mated to males of the same gametic constitution." This is opposed to the experience of every observing poultry man in the country.

"Paul, thou art beside thyself; much learning doth make thee mad."

Note.—In the quotation from Dr. Pearl, "gametic constitution" means that portion, department or function of the male birds which relates to their transmitting fecundity to progeny. Just as if the doctor had said, provided both sets



and by testing his progeny as I have described, is a simple, common-sense operation. Any state station can carry it out and secure every mite of information that could be obtained by all the tabulations and curves of the most accomplished mathematicians. Mating the selected male to hens of a particular kind is equally easy.

What is more important than great mathematical capacities is taking precautions against disturbing elements such as inbreeding having occurred or any such influence, when birds are to be experimented with. Over and over again results of experiments have been valueless because of inbreeding on the side of one only of the contestants and of the unwillingness on the part of the experimenters, drugged with the poison of "line breeding" fashions, to perceive its



evil effects, and, what is equally important, the recognition of the good effects of crossing allied strains. Darwin says:

"The gain in constitutional vigor derived from an occasional cross between individuals of the same variety, but belonging to distinct families, or between distinct varieties, has not been so largely or so frequently discussed, as have the evil effects of too close interbreeding. But the former point is the more important of the two, inasmuch as the evidence is more decisive. The evil results from close interbreeding are difficult to detect, for they accumulate slowly and differ much in degree with different species; whilst the

and the difficulty of distinguishing between such direct evil and the inevitable augmentation of any morbid tendencies which may be latent or apparent in the related parents. On the other hand, the benefit from a cross, even when there has not been any very close interbreeding, is almost invariably at once conspicuous.

"That evil directly follows from any degree of close interbreeding has been denied by many persons, but rarely by any practical breeder; and never, as far as I know, by one who has largely bred animals which propagate their kind quickly. Many physiologists attribute the evil exclusively to the combination and consequent increase of morbid tendencies common to both parents; that this is an active source of mischief there can be no doubt.

"It is unfortunately too notorious that men and various domestic animals endowed with a wretched constitution, and with a strong hereditary disposition to disease, if not actually ill, are fully capable of procreating their kind. Close interbreeding, on the other hand, induces sterility; and this indicates something quite distinct from the augmentation of morbid tendencies common to both parents.

"The evidence convinces me that it is a great law of nature that all organic beings profit from an occasional cross with individuals not closely related to them in blood, and that, on the other hand, long-continued close interbreeding is injurious."

Pages on pages, in addition to what I have copied, are found in Darwin's works on the evils of inbreeding and the vigor that follows outbreeding. Am always glad to give a rap to the vile practice on incest when I can and have done so for sixty years. Not pretending to possess unusually fine sympathies, I have in consequence of happening to know about a neighbor's family, had a great antipathy to the practice in question.

Briefly, will say that father and mother in family mentioned were first cousins. Numerous branches of the family



good effects which almost invariably follow a cross are from the first manifest. \* \* \* In relation to the subject of domestication, the whole question is of some importance, as too close interbreeding interferes with the improvement of old races, and especially with the formation of new ones. It is important as directly bearing on hybridism, and perhaps on the extinction of species, when any form has become so rare that only a few individuals remain within a confined area. It bears in an important manner on the influence of free intercrossing, in obliterating individual differences and thus giving uniformity of character to the individuals of the same race or species; for if additional vigor and fertility be thus gained the crossed offspring will multiply and prevail, and the ultimate result will be far greater than otherwise would have been the case. Lastly, the question is of high interest as bearing on mankind.

"There is no difficulty in defining what is meant by a cross, but this is by no means easy in regard to 'breeding in and in' or 'too close interbreeding,' because different species of animals are differently affected by the same degree of interbreeding. The pairing of a father and daughter, or mother and son, or brothers and sisters, if carried on during several generations, is the closest possible form of interbreeding. But some good judges, for instance, Sir J. Sebright, believe that the pairing of a brother and sister is closer than that of parents and children, for when the father is matched with his daughter he crosses, as is said, with only half his own blood. The consequences of close interbreeding carried on for too long a time are loss of size, constitutional vigor and fertility, sometimes accompanied by a tendency to malformation. Manifest evil does not usually follow from pairing the nearest relations for two, three, or even four generations, but several causes interfere with our detecting the evil, such as the deteriorations being very gradual



on both sides of the house for generations were well known to be very even, well balanced and normal. Six children resulted from the union, none strictly non compos mentis, but such an odd lot! Odd as "Dick's hatband." Their ways of thinking and acting could never be predicted or accounted for either, excepting that it became generally understood that they were essentially and completely warped and twisted mentally. Physically they looked all right, excepting a peculiar, uncanny appearance of the eyes.

There is not a point of the thousand in the whole book of the Standard of Perfection that I would secure at the price of lowered vitality of birds subject to man's dominion. Good heavens! Is not nature enough streaked all through and



blackened all over in spots with imperfections and sufferings, and always will be, inevitably, without man deliberately adding to their numbers?

Now for the appreciation of what Darwin and a host of other naturalists of the highest rank say about the good effects of crossing. The union of unrelated stock means that just one inconceivably minute cell joins to one other inconceivably minute cell, and, wonderful to relate, those minute objects in some manner never to be explained, feel as if by electric shock the thrill and vigor of non-relationship, something as powerful and unexplicable as the "loves and hates of atoms" and in process of time their descendants feel the same impetus and become more fertile than they would have

been if the two first cells had not been of diverse stock.

Now, the increased fecundity started by breeding, did it not? The breeding was accomplished by two cell-units, was it not? One cell cannot breed alone. Were there not two factors?

If from one of the factors increased fecundity descended generation after generation, did it not also descend from the other? If so, the increased fecundity descends from the female line as well as from the male line. The male cell alone was powerless. It was the actual breeding that caused the heredity of the increased fertility. The female cell bred as truly as the male.

(Continued next month.)

## The New Blue Orpington

An Attractive Variety Seeking to Win Public Favor

*By Captain Max de Bathe, Hartley Court, Reading, England*



**T**HAT THE BLUE Orpington should become popular is only natural, considering what a craze there is for anything blue in the feathered world. The White, Buff and Black have often been admired, but as soon as the Blue came on the scene there seemed no eyes for anything else. Even those who have never kept fowls stopped in amazement at the display pen of Blue Orpingtons exhibited at the last Madison Square Garden Show. Although many not interested hitherto in the breeding of poultry, almost everyone stopped to admire these birds.

Their beautiful, medium slaty blue color with each feather laced with two shades darker, the blocky, short-legged true Orpington type, made the other varieties fade away before this wondrous new bird.

It must be borne in mind that in any color there are some birds which do not come up to standard, and of course every

both sexes up to the present time have come from the one pen.

We have at last succeeded in getting the variety to breed true, and there is a wide field for the novice, or anyone else, to start in with this breed, but only reliable stock should be purchased from reliable breeders. Purchase the best blood and it is certain you will be able to produce the best in the variety. The tendency to try something because it is cheap is responsible for many failures, and it is largely on this



WHITE WYANDOTTE COCK.

Winner at both Madison Square Garden and Chicago. Owned by H. N. Hanchett. Mr. Hanchett (formerly of Jackson, Mich.) is now located at Vineyard Haven, Mass., where he has taken up the breeding of this variety in dead earnest. He is aiming to combine the fancy and the utility to a degree not attained heretofore. His birds are exceptional egg producers and as to their prize winning quality his winning at last Madison Square Garden show in class of 260 birds speaks for itself. "Egg machines in fine feathers" is what he calls them.

account that many people give up a breed after one season's breeding because of unsatisfactory results.

The Blue Orpington, like the White, lays a nice brown-shelled egg,—and keeps on laying them. The chicks are easy to rear in any country.

There has been much talk as to what the color of the Blue Orpington should be and to describe it is not an easy matter. Perhaps it would be as well to give the Standard as laid down in England and accepted by the English Poultry Club as the official one:

"Beak, blue. Eye, black or dark brown, black preferred. Comb, wattles, face and lobe, red. Legs, black or blue. Toe nails, white. Plumage of cock: neck, saddle, hackles, wing bow, back and tail, dark slaty blue. Remainder of plumage, medium slaty blue; each feather to show lacing of the darker shade as in back.



"Red Jacket," first and champion cockerel, Buffalo, 1912. First cock, Buffalo, 1913. Bred and owned by C. E. Riley, 431 Fargo Ave., Buffalo, N. Y.

Blue Orpington that is hatched does not come out a prize winner. But for all that, almost all the stock can be remated to produce the ideal Blue Orpingtons.

The economic qualities of the Blue variety equal those of the Buff or White and most certainly surpass the Black, as they have those essential qualities, wide front and beautiful rounded chest so much admired in all Orpingtons. As layers there is no Orpington to beat them.

Another great advantage in this variety is, there is no necessity for double matings. The best birds exhibited of



"Plumage of hen: medium slaty blue, laced with darker shade all through except head and neck; these a dark slaty blue.

"General characteristics of the cock: head, small, neat and carried erect. Beak: strong and nicely curved. Eye: bold, bright and intelligent. Comb: single, fairly small, erect, evenly serrated and free from side sprigs. Ear lobes: small. Wattles: medium length and well rounded. Neck: nicely curved, compact with full hackle.

"Body: Breast: broad, deep and full (not flat), with long, straight breast bone. Back: short and broad. Saddle: rising

accomplished. It is important to have a solid ground color of blue. By mating two light-colored birds you will get much too light a ground color. My experience has been always to select a cock on the dark side, one perhaps that in the show pen some might think too dark. You will find, however, with medium colored hens mated to such a cock, the color in the offspring will come just about the shade the Standard requires. If you have light-colored hens mate them with a cock whose plumage is of a darker shade.

It must be borne in mind that the Black Orpington played a prominent part in the production of the Blue Orpington. Those who have successfully bred Blue Andalusians should have no difficulty in mating up their Blue Orpington pens to produce the color in plumage required by the Standard, the color and lacing being identical in the two varieties.

I guarantee that a really good pen of Blue Orpingtons, purchased from a reputable breeder and correctly mated, will produce as many exhibition birds as the best pen of Buffs in the world. I could go further and say that I could go to a show, buy the winning Blue cockerel and the two winning pullets, also the winning Buff cockerel and the two winning



slightly with full, flowing hackle. Wings: nicely formed and carried close. Skin and flesh: white, fine in texture and firm. Tail: short and compact, flowing and inclined backwards.

"Legs and feet: thighs and shanks short and well set apart. Toes: four in number and well spread.

"General shape and carriage: cobby and compact, erect and graceful.

"Size and weight: large frame, 10 pounds to 14 pounds when fully matured.

"General characteristics of hen: head, neck, body, legs, feet, skin and flesh corresponding with cock.

"Tail: neat, small and inclined backwards with a gentle rise.

"Size and weight: large frame, 7½ pounds to 10½ pounds.

"Serious defects: any feather or fluff on legs. Long legs. Any yellow on legs and feet. More than four toes. Side spikes on comb. More than one-third white in lobe. Any deformity.

"Value of points in Blue Orpington:

Defects in condition.....	10
Defects in color and plumage.....	25
Defects in head.....	10
Defects in want of shape.....	25
Defects in want of size.....	20
Defects in legs and feet.....	10

A perfect bird to count.....100"

What one has to aim for is to get a medium color, the body of the feather to be free from smuttiness, and the lacing to be sharp and distinct. This lacing throughout is not an easy thing to achieve, but with careful mating it will soon be



pullets of that variety, and produce as many and probably more winning birds from the Blue pen than from the Buff.

There is a tendency among some breeders, when they see a new variety which threatens to rival or surpass their own specialty, to decry it and say it will not breed true, etc. This cannot be truthfully said of the Blue Orpington. It has been demonstrated that they do breed true if bred from reliable stock.

The judging at the Crystal Palace, London, 1912, of Blue Orpingtons, I regret to say, was not what it should have been; whether it was the fault of the light or the influence of the judge, it is hard to say, but some of the winning cockerels were nearly black, with a beetle green lacing and purple tails. Some of the winning pullets were more like Cochins than Orpingtons. But withal the Blue Orpington has come to stay. It has caught on with the public quicker than any variety that has been produced within the last thirty years, and it is only a matter of a very short time before it will be the most sought after Orpington bred today.



# Likes The American Orpingtons

An Interview With Captain Max de Bathe of England, Blue Orpington Originator  
By Earle William Gage



CAPTAIN MAX DE BATHE, of Hartley Court, Reading, England, is one of if not the leading poultry fancier in England, and several new breeds are directly due to the results of his various experiments and long and faithful hours of study in this, his chosen field of poultry endeavor.

The Captain has achieved his greatest success with the Orpington fowl, and the blue of that breed is the latest result of his years of study, and proved one of the most popular at the recent show at Madison Square Garden, at which place he exhibited a number of excellent specimens of the breed.

He is a most genial fellow to meet, though he clearly shows one that he is a son of Old Johnny, and that he has a pretty good opinion of his opinion. He talks slow, marking each sentence with thought and careful preparation previous to its utterance. He is full to the brim with good ideas regarding the Orpington, and these facts should be better known to the American fancier of this breed, no matter what the color or type of the fowl.

In his interview he brought out a number of facts which are unknown to a number of the more advanced American

and possesses the power of physical proportions to withstand the extreme cold of Alaska and Siberia. It matters not what country you may desire to go to, you will be quite sure to find one of the varieties of the Orpington there to await your call, and they will be turning out eggs and making goodly bank accounts for the owners, either as prize fowls upon the exhibition tables or as layers and producers of eggs. There are a number of varieties of this fowl—the Buff, White, Black, Blue, Jubilee, Spangled, Cuckoo and one, about to be brought out this year, known as the Pile.

"The first four are very popular upon American soil, and enormous strides have been made here by the importation of



a high-class stock from the fanciers' plants in England in their exhibition type and economic qualities. The American bird is very beautiful to look upon and has been able to place itself far in advance of other fowls, especially with the beginner and small capetailed fancier, due to its pretty lines and hefty body. The head of the American Orpington is particularly beautiful.

"It is to be regretted that in England sufficient attention is not paid to head points. Provided a bird is perfect in shape and type his head is never marked against his winning powers, provided there be nothing of a disqualifying nature about it.

"In America, on the other hand, the fanciers have used greater care as regards the habit of spoiling the economic qualities of the Orpington by breeding to get birds with abnormally short legs and backs, though many people seem to believe a bird cannot have too short legs or back. This is very wrong, and the impression should never be allowed to long remain in the minds of the younger set of fanciers.

"An Orpington with too short a thigh spoils his outline. The Orpingtons as bred here in America are a great credit to their breeders, and in no place in the civilized world will you be able to locate a finer collection of birds than in the Madison Square Garden Show.

"Inasmuch as I have attended the greater shows for the past few years which have been held in the world, being fully familiar with all of the fanciers and their fowls, both as regards form and vitality, I feel that I am fully capable to



followers. He says: "In spite of the introduction of new varieties of fowl, the Orpington is yet the most sought after, and is quite likely to be, chiefly for the single reason of its being a thoroughly all-round, general purpose chicken, combining the two most desired factors to the fancier, a fowl with bulky body, making the excellent "meat" fowl, and the good layer as well. There are a number of the fowls, indeed, a vast majority, do better in one climate than in another. This is not true of the Orpington, which will do just as well in Australia as in America, and the Canadians will get as good results from this breed as the Mexicans. The Orpington is capable of enduring the most intense heat



attest to the quality of the American Orpington as she stands today, the finest bird of her type upon the world, the queen of the feathered flock and the desired prize of the great owners of fowls everywhere. I have attended the various international poultry shows held at the centers of traffic and transportation of France, Belgium, Italy, Germany, Holland and America, and I cannot recall ever seeing a better showing than I saw this year in New York. The types seemed to have risen from their former standards and stand now in the height of their glory and crowning effects. The various fowls that I have seen here will give me a most appreciative message to take back to the English fanciers, who are most eager to possess the latest knowledge regarding the newer and the better Orpington which America has made possible.

"A great deal has been written regarding the Buff, Black and White varieties, but the most talked of today is the Blue, principally due to its freshness and bright color. This type of fowls was first introduced here last year, and at Madison Square Garden I gave the Americans their first opportunity to see the newer attainment in originalness in culture of newer strains. Last season there were eight entries under this head, and the figure was multiplied by four, making 32 for this season's showing, and I shall be

greatly surprised if this number does not pass the hundred mark for the next show.

"I am very sure that no breed has made the wonderful showing this blue strain has in the short period it has been in existence, for it has caught on quickly, and gives great satisfaction to all followers. Those of America who possess the strain speak very highly of them and have made open and frank testimony regarding their extraordinary laying qualities and of their easiness to rear in all climates. Of a beautiful shade of medium slaty blue, each feather with a lacing of a deeper shade, they possess a type equal to that of the black.

"As broilers they cannot be beaten, and I desire to predict that within a very short space of time they will be the most popular breed in America and command for exhibition the highest prices ever attained by any fowl.

"The American has always struck me in a peculiar manner as regards his methods of exhibition. The exhibitions always look up to the minute, although many of the birds are obliged to travel long miles to the Garden. This must be a knack which the American has of 'delivering the goods,' but the express companies must be better than the method of delivery with which we Englishmen are obliged to tolerate."

## February's Record in National Contest

The Pen of Single Comb White Leghorns from England Are Still in First Place and 115 Eggs in the Lead of Their Nearest Competitor



THE hens in the Egg Contest at the Missouri State Poultry Experiment Station at Mountain Grove, are still doing considerably better than they did in the first contest. They laid 2,224 more eggs this month than during February of last year. The grand total for the first three and a half months has now reached 21,636 eggs, 8,666 of these being laid in February. Pen No. 2 S. C. White Leghorns, from England, are 115 eggs in the lead of their nearest competitor. The contest is on in earnest now and some hens which had not laid much up to this time are now laying

regularly and are climbing up toward first place. Every month from this on there is certain to be many changes. Pen No. 56, White Orpingtons from Kentucky, won the silver cup for the best record for February, by laying 195 eggs in the 28 days.

The standing of ten leading pens for the first three and a half months, including the last 15 days of November, and all of December, January and February, is as follows:

	Eggs.
Pen No. 2—S. C. White Leghorns, England.....	656
Pen No. 23—Silver Wyandottes, Illinois.....	541
Pen No. 19—Silver Wyandottes, Iowa.....	518
Pen No. 57—Black Langshans, Missouri.....	488
Pen No. 33—Barred Plymouth Rocks, Illinois.....	477
Pen No. 20—White Wyandottes, Arkansas.....	474
Pen No. 59—Black Orpingtons, Canada.....	469
Pen No. 30—Buff Wyandottes, Vermont.....	443
Pen No. 24—White Wyandottes, New Jersey.....	438
Pen No. 58—Buff Orpingtons, Missouri.....	433

A pen of S. C. Rhode Island Reds from Florida is only one egg behind the last mentioned pen.

The ten best pen records for the month of February are as follows:

	Eggs.
Pen No. 56—White Orpingtons, Kentucky.....	195
Pen No. 2—S. C. White Leghorns, England.....	180
Pen No. 49—Black Langshans, Missouri.....	180
Pen No. 19—Silver Wyandottes, Iowa.....	178
Pen No. 57—Black Langshans, Missouri.....	175
Pen No. 27—Silver Wyandottes, Missouri.....	165
Pen No. 33—Barred Plymouth Rocks, Illinois.....	163
Pen No. 20—White Wyandottes, Arkansas.....	161
Pen No. 37—S. C. Reds, Missouri.....	161
Pen No. 30—Buff Wyandottes, Vermont.....	159

Black Orpington, No. 2,052, in pen 59, laid 27 eggs in 28 days. Seventy-eight hens out of the seven hundred have not laid an egg. A few contestants have made the mistake of sending old hens. Others did not have their stock mature enough. To make a good record in a contest like this, the stock should be hatched early and fully matured by the

time the contest begins. The best individual hen records to date are as follows:

	Eggs.
Hen No. 66—S. C. White Leghorn, England.....	84
Hen No. 68—S. C. White Leghorn, England.....	82
Hen No. 2076—Buff Orpington, Missouri.....	81
Hen No. 600—Buff Wyandotte, Missouri.....	79
Hen No. 65—S. C. White Leghorn, England.....	79
Hen No. 860—Buff Wyandotte, Vermont.....	79
Hen No. 709—Buff Plymouth Rock, Missouri.....	78
Hen No. 735—Black Langshan, Missouri.....	78
Hen No. 656—White Wyandotte, Arkansas.....	77
Hen No. 601—Silver Wyandotte, Iowa.....	77
Hen No. 2158—Buff Orpington, Missouri.....	77

### Results From Feeding Tests.

In this feeding experiment, the positions of the ten pens remain the same with the exception that the pen fed according to the New York method of feeding laying hens has advanced from ninth to seventh place. Where feed of all kinds is kept before the hens, they seem to be doing best and laying the greatest number of eggs. The pen in which the hens feed themselves from hoppers and in which feed of various kinds are kept before them are 42 eggs in the lead of their next competitor, the pen fed according to the Canadian method of feeding. So far, this experiment indicates that hens will lay more eggs in the winter months where they are hopper fed, or fed from an automatic feeder than where they are hand fed. The results for the summer months may prove the opposite to be true for hot weather.

### Pen No. 63, Maine Method of Feeding Laying Hens.

Dry grain fed in litter.

Early morning feed—Cracked corn.

10:30 a. m., feed equal parts of wheat and oats.

Feed about two quarts to fifty fowls.

### Dry Mash—First Month.

300 bu. wheat bran.

100 bu. corn meal.

100 bu. cheap flour.

100 bu. beef scraps.

### Dry Mash—Second Month.

200 bu. wheat bran.

100 bu. corn meal.

100 bu. cheap flour.

100 bu. gluten feed.

100 bu. meat scraps.

Third month, same as second, only add 50 bu. linseed meal.

Fourth month, same as second.

Fifth month, same as third.

After this, feed same as second month and add 50 bu. linseed meal every alternate month.

Green food, sprouted oats, cabbage, mangels, etc. Grit, shell and charcoal.

### Hints on Feeding Baby Chicks.

The hatching season is on and it might be well to give



a few suggestions as to how to feed or start baby chickens.

The first two or three weeks of a chicken's life is perhaps the most critical time in its history. If you can get them safely over this period, then your problem is nearly solved. Then any feed which will give best results, which will tend to decrease the mortality, is not expensive even if you have to buy it and pay a good price. You cannot afford to let anything stand in the way of providing the best feed obtainable to feed your chicks for at least the first three weeks after hatching. We have found that practically every farmer and poultry raiser has a little different method of feeding. If you are getting good results, I should not advise you to change it. While the method mentioned here is perhaps not the best, yet it has proven to be simple and safe in most cases.

Provide a hover for the hen and chickens, or a comfortable brooder for the incubator hatched chicks. Cover the floor with clover chaff or fine cut straw or other litter free from mold or mustiness. Sprinkle a little fine grit over the floor and provide a fountain of pure water. Place the chicks in the brooder but do not feed them for about forty-eight to seventy-two hours after they are hatched. The first food we give them is a little good grade commercial chick feed which is sprinkled in a clean place on the floor. This is fed at morning, noon and night. As soon as they have learned to eat, we sprinkle this feed in the litter and let them have the fun of scratching for it. Between meals,

about ten o'clock in the morning and about 2:30 in the afternoon, we sprinkle a little rolled oats or pinhead or steel cut oats on the floor. We provide all the sour milk or buttermilk we can get the chicks to drink from the first day until the stock is fully matured. We prefer this to feeding them beef scraps. We also cut up an onion occasionally and give to the youngsters. This furnishes them with green food and also seems to aid in keeping them healthy. After the chicks are about ten days old, we begin to feed a dry mash mixture made as follows:

2 parts bran.  
1 part corn meal.  
1 part shorts or middlings.

We mix in a little bone meal and a little fine charcoal and also include one-half pound of fine salt with every one hundred pounds of this dry mash. This is kept in a hopper or box where the chickens can eat it any time they become hungry. The same dry mash is used until the chickens have fully matured. If you cannot get sour milk or buttermilk, it will be necessary to add one-half part of dry beef scraps to the dry mash mixture. After the chicks are from two to three weeks old, we gradually change their grain food from the commercial chick food to a mixture of two parts wheat and one part cracked corn or kaffir corn. After the chicks are a month old, their grain food is all fed from hoppers. Try this method of feeding if you wish, but don't give up your own if you are already succeeding with it.

## An Open-Air Incubator

Practical Natural Incubator That Will Hold 150 Eggs—Requires Attention Only a Few Minutes Each Day

By Prince T. Woods, M. D.



WOULD YOU LIKE to build an open-air incubator, one that can be run out of doors from the middle of March until late in the fall, one that costs only about \$1.50 per 150-egg capacity, labor included, one that hatches by the natural method and will hatch every hatchable egg that a good sitter can hatch? If so, build and try a Wozelma Open-air Natural Incubator, ten-hen capacity.

You can easily build one from waste lumber, a little wire netting and roofing fabric, by following dimensions here given and using the illustrations from photographs for a guide. Ours holds 150 eggs, fifteen under each hen, ten compartments, a sitting hen in each compartment.

It cost about 75 cents for material and less than two hours labor.

"Only an outdoor nest for sitters?" you say. True, but it is

front, rear and at ends. The greatest overhang, 3 inches, is in front. The roof hinges to front and hooks at back. The front has a 4-inch spruce strip at top and bottom, between these strips the doors being hung. The doors are made to cover front of five nests each and are made of  $\frac{3}{4}$ x2-inch frame stuff and are hinged to front at top. Ends are solid board. Board partitions, nine in number, are so placed as to give ten nests 14x14 inches each.

This natural incubator is placed out of doors in any sheltered spot where the water will drain from it. The one described is located in an open space among the pines; the wire bottom rests on a bed of moist earth and pine needles just as nature placed them. The nesting material used is pine needles, used because there are plenty at hand ready to use. Any good nesting material would do as well. The nest has no protection of any kind except that shown in the illustrations and a wire enclosed yard built around the incubator. Ten hens are set at one time and are given fifteen eggs each. When the hatch comes off five hens get the



Fig. 1—Front view of Wozelma Open-air Natural Incubator with doors closed. (Photo by Dr. Woods.)



Fig. 2—Front view of Wozelma Open-air Natural Incubator with doors open showing partitions, separate nests and the hens on the nests. (Photo by Dr. Woods.)

a good one and will help you to get 15 chicks from 15 eggs as often as it can be done.

The Wozelma open-air natural incubator is 12½ feet long by 16 inches wide. It is 16 inches high in front and 12 inches high in rear. The rear wall, ends and partitions, are solid board. The bottom is of 1-inch mesh poultry netting only. The roof is made of  $\frac{3}{4}$ x4-inch spruce for frame and is covered with heavy, smooth roofing fabric. This roof is made 19 inches wide by 13 feet long to give overhang in

chicks and the others are reset or returned to the laying houses; so every hatch furnishes its own brooders.

The actual care required for sitters so handled is very little, a few minutes morning and night, much less than a 150-egg lamp-heated incubator. Of course it incubates in the natural manner, hen heat, self-regulating, self-ventilating, self-adjusting, and almost self-operating. In the morning the attendant carries feed and water and places it in the yard in which the natural incubator is located, then he opens the



front doors of the nests; at night rounds he closes up the nests again, and the hens do the rest and do it well. Much better hatches are had when hens have outdoor nests of this sort. It will yield better chicks, bigger chicks, and more livable chicks than can be hatched indoors. This spring we have had mostly cold, wet weather, but the outdoor open-air incubator gives fine hatches of big, strong, sturdy chicks that live and thrive. Try it and be convinced. It costs little and saves much. Sitting hens handled in this manner give



Fig. 3—End view of Wozelma Open-air Natural Incubator with one door open and one closed. (Photo by Dr. Woods.)

less trouble and require less care than when set in any other way. Ours give no trouble at all.

Fig. 1 is from a photograph by the writer, showing the front view of the Wozelma open-air natural incubator. The doors are shown closed and detail of doors, hinges, etc., are clearly shown.

Fig. 2 shows the incubator with both doors open, and the partitions, separate nests and the sitters are clearly shown.

This is how the incubator looks when opened for the day at morning rounds.

Fig. 3 presents a view of the east end of the incubator, with one front door open and one closed. Bear in mind that this incubator sits on the ground. It has no bottom except fine mesh poultry netting designed to keep rats and mice out of the nests. The nests are therefore practically on the



Fig. 4—Rear view of Wozelma Open-air Natural Incubator showing detail of roof. (Photo by J. E. Zeller).

ground, just where nature intended hens to nest and hatch their young.

Fig. 4 is a rear view of the incubator at east end, with roof detail. Always place this incubator with the front south. See that it is located on a well drained piece of ground and then don't worry about it. Heavy rains, spring snows and winds don't do a bit of harm. The open-air natural incubator is right on the job and doing business all the time, and sitting hens take to it as readily as a duck takes to water. We feel some enthusiasm about it, because to date it is outhatching even hens that steal their nests.

## Simple Methods of Growing Chicks

### The Advantages of a Favorable Location—Buttermilk as an Animal Food



**T**HE growing of birds fit to win first place in the very strongest competition is an art which not all breeders can master. Some of the largest poultry breeders depend upon buying their show birds and others avoid the very hottest competition. Many others are successful in growing winners one season but will fail the next. The great advantages of a favorable location and season can hardly be too greatly appreciated. To illustrate: The farmer's wife puts out a few hundred chicks each season and gives them no other care than to feed ground corn two or three times a day for the first few weeks of their lives. If the location and season is favorable, the chicks can find an abundance of tender juicy vegetation, big fat worms and winged insects the entire season. For grain they find plenty of corn around the feed lots and wheat and oats in the fields after harvest. They go to bed every evening with full crops and when mature are ideals of size, vigor and lustrous plumage. But when the season is very dry, the spring late and wet, or the location is unfavorable, the farm-reared birds are nothing but undersized, starved culls. So it can be readily seen that the principal aim of the feeder should be to study the birds in their natural environments to ascertain what foods they crave. During the spring and summer they will prefer to make their rations principally worms and insects with succulent green food and will not eat much grain. As the weather becomes cooler and during the autumn when it is natural for all animals to store up fat in their bodies they will eat large quantities of corn and other carbonaceous

food but will still crave a quantity of meat and green food. Very rarely are conditions such that the chicks can find sufficient tender succulent green food to satisfy them, much less sufficient insects.

By far the best substitute for the worms and insects is buttermilk. At the price at which buttermilk generally sells it is as cheap a "protein carrier" as beef scraps and it is really worth much more as it contains more fat and much more earth salts in proportion to the protein than beef scraps. It is also a great appetiser and cleanser of the digestive organs. The Cornell University bulletin on "Seven Methods of Feeding Young Chicks," says: "Skim milk is one of the best and cheapest of animal foods and seems to induce a more rapid growth on the parts of the chick than would be expected from the amount of food material it contains. Chicks reared on the powdered milk mash and variety rations had good appetites and their plumage was fine, glossy and smooth."

In my own experience I have noticed that growing chicks and moulting hens given all the buttermilk they wanted to drink had larger, longer feathers and their plumage was a glossier, more silk-like white than those not fed milk. In the absence of something better, beef scraps may be fed, but because lacking in oil or fat and in mineral matter they tend towards a too rapid development of the reproductive organs in both sexes and are liable to bring the pullets to laying before they are fully matured. For this reason many of the large egg farms are now using milk instead of beef scraps for pullets up to four or five months old. Of course where the birds have not been accustomed to beef scraps it is necessary to be a little careful and give a few light feedings gradually increasing the quantity for a week or so when it may be kept before the birds all the time.

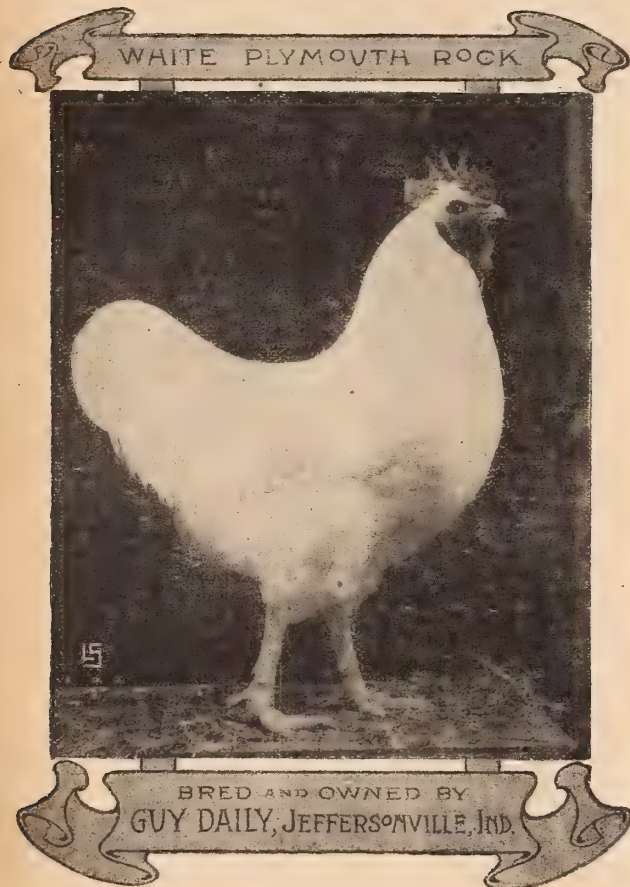


For succulent green food during dry spells of weather, melons and tomatoes are easily grown and convenient to feed as all that is necessary is to cut them in half and throw them in the pens. I have noticed that the hens always lay much better when fed watermelons than when given other forms of green food. Rape is an excellent feed for the back-yard poultryman who must keep his birds confined to feed. More rape can be raised on the same amount of ground than other green food but it requires lots of moisture and so cannot be depended upon when the weather is dry.

If you want your growing chicks to take plenty of exercise and range out and secure insects, weed seeds, etc., you must keep their feed in hoppers where they can get

food contains considerable ash and earth salts and in addition, it contains acid, etc., that renders the mineral matter in other foods soluble so that it may be taken into the blood when eaten by the chick.

If you have ever neglected to, or through ignorance failed to provide green food for young chicks up to several weeks old, you have probably noticed that their growth was nearly all in their feathers, their legs and feet remaining much the same size as when hatched. This is because although a ration composed entirely of grain and meat foods may contain enough mineral matter to supply the needs of the chick only a very small amount of the mineral matter can be assimilated without the presence of the juices of live vegetable food to render the minerals soluble in water. Observation will tend to show that the lactic acid in buttermilk will also dissolve mineral matter and render it digestible. As for example, in the case of fattening birds for market, a ration of ground oats and buttermilk is found to add weight faster and produce a more rapid development of all parts of the chick's body than a ration of ground oats, beef scraps and green food. If one desires to grow extra large birds with loose, fluffy plumage, nothing is better than a mash made of milk thickened with ground oats or ground oats and corn. A system of feeding such as I have outlined is suited only to chicks that are given free range



it whenever they want it as otherwise they will wait around the entrance to the field so as to get their full share when feeding time comes, and will not pick up near as much feed on the range as if hopper fed. There should be a separate hopper for each kind of grain so the birds will not throw out or waste one kind of grain to get at another. I generally have one hopper for corn, one for oats and one for any other grain I desire to feed. I sometimes feed wheat, sometimes kaffir corn, buckwheat or sunflower seed, depending upon the price, though I like to change the grains frequently as it keeps up the chick's appetite.

If the chicks have free range and are given buttermilk or are confined and given all the animal and green food they want, they will not need any mash of any kind (after they are six to eight weeks old) and will probably develop more naturally and have stronger digestive organs and larger feed capacity than if mashes are fed. However, when one is striving to produce birds with loose fluffy plumage or with extra large size for show room or market, some mash will be found very beneficial. The importance of plenty of bone-making elements in the ration is not given the consideration it deserves by most poultrymen. Oyster shells have very little value, in fact experiments tend to prove that they do more harm than good. Bone meal is much better, but does not seem to give nearly as good results as would be expected; undoubtedly a large amount of it is not digested. No grain feed will give such good results in producing large-sized, big boned birds as oats. No animal food is such an excellent bone maker as milk and of green food, clover and alfalfa rank first in this respect. All green



or large yards in which case they will take sufficient exercise, but if you must confine your chicks, you will have to provide some occupation or they will be discontented and continually trying to get out of their pens and will not do nearly so well as if kept happy and contented. One way is to keep a portion of the pen covered with loose clean litter into which the small grain may be scattered early each morning. By closing the hoppers every evening and leaving them closed until about the middle of the forenoon, the chicks will spend several hours scratching in the straw. Another way is to feed corn on the ear, heads of kaffir corn, unthrashed grain or give them heads of cabbage to pick at.



# Womans Success With Poultry

*Helen T. Woods, Editor*  
A Department for the Exchange of Helpful Poultry Experiences



## A POULTRY WOMAN'S NOTES.

Eunice Read Wright.



WITH THE APPROACH OF SPRING the poultry woman naturally turns her thoughts chickenward and, by consulting her last season's notes, makes plans to better the profits of the preceeding season.

As a people we have fortunately passed that stage in evolution wherein it could be said that "chicken is chicken" since we have found times without number that real chicken is only chicken when it has been properly hatched, fed and reared and properly dressed and marketed. The proof of the pudding is in the eating and it does not require the services of an epicure to determine

wherein the real article differs from the imitation in the matter of poultry products.

I have been having some experience this spring with the widely-knocked broody hen. Like countless others I was greatly prejudiced against them. For several years they have seemed to me as the egg-farm poultry woman's bane. They have such a persistent way about them and such a habit of becoming broody in bunches. Yesterday when the eggs were gathered, not a broody in evidence. Today the

half a show they will repay well the time and attention spent on them. Besides, after the chicks are hatched they know so much better than I, what to do with them.

In work with broody hens, the main thing is to start off a goodly number with eggs at the same time, so the chicks may be properly divided up and apportioned to the best mothers at the end of the hatch. I have found that a long row of nests placed in an open front shed is about the most convenient way of handling a number of broodies. Of course later in the season, a group of nests



may be placed in a sheltered place under a grove of trees but this is not safe until the frost is well out of the ground.

No hen, be she ever so even tempered is able to keep her own council and incubate a sitting of eggs if her carcass is literally infested with vermin. We can excuse her any of those disagreeable things usually attributed to broody hens under such conditions. Therefore the poultry woman, wise in her day and generation, gives each and every candidate for motherhood in the poultry yard, a vigorous dusting with Persian insect powder, just on suspicion. It is always well in a case like this to take no chances. Also discard all old nesting material, using only clean hay or straw and give the hen every opportunity to keep her nest clean. She should be allowed enough room to exercise when off the nest and be taken off at regular intervals each day. The eggs should be tested the same as when set in incubators and doubled up wherever possible, the hens that have proved themselves to be good mothers being again entrusted with eggs.

A nest of eggs is no place for a wild and scary hen. In fact, I have found no place so well fitted for her as the roasting pan. Even in the laying pen she is spending more energy in making a racket than in producing eggs. The broody hen to be successful must be the quiet motherly sort, and she must be given a chance to keep herself and her surroundings clean. To be shut up in a tight coop with no chance of escape for days at a time, with little food or water is not conducive to successful hatching with hens. Give the broody hen a chance and she will prove her worth.

nests are literally full of them. And let me whisper it, although a poultry woman for some years I have never yet felt quite safe, or felt able to refrain from jumping back when a real determined biddy pecks at me. So as a safeguard, I have taken to wearing canvas gloves always in my work about the poultry. Aside from the cowardly side of the matter, the amount of grime kept from the poultry woman's hands by the habit of wearing canvas gloves is something surprising.

Now in regard to the broody hen movement, I have enlisted this season in their favor and am convinced that with



# The Future of the Poultry Industry

Chances of Success in the Poultry Industry Growing Greater Every Year.

By Chas. H. Simmonds, Camp Point Illinois



THE PAST YEAR has seen a great many people enter the poultry business. Many are business men who simply keep a few fancy fowls in their back yards to divert their attention from the care of larger transactions, others are clerks and factory employes who find in a flock of hens a means of pleasant recreation and a possibility of increasing the comforts and decreasing the expenses of the home. But many have left their professional careers, their factories, mercantile businesses, breweries and distilleries to devote their capital and their time exclusively to the poultry business.

Those who have had experience in and understand the poultry business welcome these capitalists to the ranks, but many would-be poultry keepers are afraid to invest in the business for fear of an overproduction as the result of so many engaging in the business on a large scale. In fact, people not interested in the poultry industry have been talking overproduction of poultry products as long as I can remember, but every year sees thousands more engage in the business and every year sees a greater demand for fancy poultry, eggs and market poultry of high quality. In our large cities there are thousands of people who have never tasted a strictly fresh egg or fresh milk-fed chicken that

are many failures in the poultry business which the public credits to the business rather than to the man, where it rightly belongs.

Because a man is successful in some professional career or a skilled workman is no sign he will make a successful poultryman, but any man that can make a success of any other commercial enterprise can succeed in the poultry business. The fact that many who fail to "make good" in other like industries succeed in the poultry business only goes to show what great opportunities there are in the poultry business for men of good business ability.

Ninety per cent of the failures in the poultry business can be traced to one or more of the following three causes: First, a lack of ability to manage the financial part of the enterprise; second, an improper arrangement of the poultry buildings and yards; third, lack of systematizing the labor on the plant.

The first cause, "Lack of ability to manage the financial part of the enterprise," accounts for more failures than anything else. Some men are natural born financiers, others



are greatly lacking in financial ability and seem unable to learn to manage any business which necessitates a large investment of capital, as a factory, a mercantile business or the poultry business. The majority of people possess the ability to manage a poultry business after they have had a little experience, but so many enter the business on the impulse of the moment, investing all their available capital and often borrowing more. Lacking the knowledge that can be gained only by experience they invest in stock and poultry appliances that are of no advantage and fail to retain enough cash for emergencies which are sure to come. It is impossible to give any fast rules on how to start in the poultry business, but one thing should always be remembered: "The hens are the money makers on a poultry farm." Good buildings and labor saving devices are a great help, but one should spend at least five times as much for stock as for buildings, appliances, etc. Here is where many "fall down." They invest a thousand dollars in the latest type and most expensive poultry buildings and then when it comes to buying the birds to fill those buildings they spend say a hundred dollars and too many times buy as many birds as they can get for the money rather than



would become regular buyers of these products could they only secure a high quality. Others consider the cold storage products unfit for food and the fresh article too expensive, but would become consumers if the price would only drop a little. There is no possible chance in view for a drop in the price of eggs. However, the majority of poultrymen could, by adopting better methods, so lower the cost of production as to be able to stand quite a drop in the price of eggs without decreasing their profits. And still there



purchase a few of the best. Never give up a good position or business to go into the poultry business without a little previous experience. You would not think of entering any other profession without education, experience, or both, and be successful from the start, so why expect more of the poultry business? Almost anyone can make a success of keeping laying hens or raising fowls for meat, but it requires experience and careful study to successfully operate incubators and brooders, mate to produce exhibition birds and condition for the show room. If one will start with a trio or small pen of extra high class birds, subscribing for several poultry journals and carefully studying the business to learn the special type of house and system of feeding best suited to his or her birds and climate and learn the requirements of the market for which the birds are raised, their flock will soon multiply to larger proportions and they will be sure of success. A proper arrangement of the buildings and yards on a poultry farm is one of the first essentials to success. Many poultry plants are still planned on the old style of long houses and long, narrow yards that become bare of vegetation after the first season, but the new system of large flocks and free range is fast taking its place. On

sional potato scratched out of the ground is only a small part of the increased yield resulting from the birds keeping down weeds and insects and fertilizing the soil. The small unmarketable potatoes should be stored in the cellar to use for "green food" in winter. They will eliminate the work of sprouting oats and the danger of feeding mouldy or sour oats. Another good crop to raise on the poultry range is corn. If planted early it will furnish abundant shade for the birds during the warmest summer weather and where one raises his own corn he runs no risk in feeding mouldy or musty grain. If the birds are not fed corn liberally it may be necessary to keep them confined a week or so after planting the corn, but I have let mine run in the corn field while it was being planted and ever after without doing any damage. There were several rods of meadow land between the poultry houses and the corn field and the birds ate the grass and never bothered the corn blades. A corn field is an ideal place to start chicks, as there is no stubble or tall grass to interfere with their foraging and the growing corn furnishes fine protection from hot sun and wind.

Fruit raising also combines well with poultry raising, the trees furnishing shade and fallen fruit for the fowls, and



YOUNG STOCK ON RANGE. MOUNT PLEASANT FARM. MT. POCONO, PA.

several large egg farms hens are now kept in flocks of 100 to 500 to the house-pen and several thousand on the same range. Of course where one desires "special matings" of fancy fowls it is necessary to use yards, but the yards should always be large enough to allow the use of a horse for thorough cultivation when necessary and to produce plenty of grass and trees for the health and comfort of the fowls.

Not possessing enough land to allow the fowls liberal range, it is far better to keep them always confined to the houses than to use small contaminated yards. As great or greater egg-yield can be obtained by this method as where the birds are given free range, though it requires more feed, litter and labor to care for the birds. It is a waste of high-priced land to use small, bare yards and a waste of high-priced feed and labor to keep the fowls confined. Take down the fences, decrease the labor and cultivate the land. The crops will benefit the fowls and the fowls will benefit the crops. Of course, the birds cannot be allowed to range in the kitchen garden or berry patch without doing damage at some seasons of the year, but they will do more good than harm to most field crops.

Potatoes are an excellent crop to raise on the poultry range. The fowls never touch the foliage and the occa-

the fowls keeping down insect pests and weeds and furnishing the best of fertilizer. There are these disadvantages, however, that one must wait several years for returns from the fruit and often you will want to take out trees to make room for a new poultry house. Catalpas make excellent shade and may be planted on hilly land that will produce nothing else. The time is fast coming to an end when the American people can afford to waste their land as they have always done. The arrangement of the buildings should be such as to save as many steps in caring for the birds as possible. The feed house and a deep well should be near the main buildings.

The brooding of the young chicks as practiced on most plants is very expensive for labor, and experienced, high priced labor at that, but the new brooder-stoves or open-hover brooders are fast taking the place of the old style long hot water pipe systems and individual lamp brooders. These brooder-stoves that brood 500 to 1,000 chicks all in one flock are great labor savers and very easy to operate, there being no danger of the chicks getting too hot or suffering for lack of ventilation. The modern poultryman is also turning much of his attention to the old hen as the best incubator and brooder to produce high-class show birds and breeders.



# EDITORIAL

WE LEAD  
OTHERS FOLLOW

65,000 A. P. J.'s FOR APRIL, 1913.

State of Illinois, County of Cook, ss.:  
G. M. Atwell, president of the Atwell  
Printing House, Chicago, being duly  
sworn, certifies that the American Poul-  
try Journal has contracted for printing  
and binding sixty-five thousand copies of  
the April, 1913, issue.

G. M. ATWELL.  
Subscribed and sworn to before me this  
21st day of March, 1913.

(Seal) HENRY G. EISERT,  
Notary Public.

## OUR GUARANTEE.

We guarantee our subscribers against  
loss due to fraudulent misrepresentation  
in any display advertisement appearing in  
the American Poultry Journal, providing  
the subscriber when ordering the fowls  
or merchandise states that the advertise-  
ment was seen in the American Poultry  
Journal, and places the order during the  
month or months in which the ad is in-  
serted in our columns and notifies us of  
the fraudulent misrepresentation of the  
advertiser, giving full particulars, as soon  
as it occurs.

## Lecture Bureau Committee's Appeal

We call attention to the "Appeal  
for Aid," by Chairman W. Theo.  
Wittman, which is reprinted in an-  
other column from the March A. P. A.  
Bulletin.

Chairman Wittman is on the right  
track and he deserves help, although to  
our mind he has not asked for nearly  
enough. The American Poultry As-  
sociation ought to own good instruct-  
ive lantern slides on poultry subjects  
and modern equipment for the use of  
lecturers, and it ought to go still fur-  
ther (as H. H. Stoddard several times  
has pointed out) and have a good  
series of moving pictures for instruc-  
tion in poultry work. The "movies"  
are among the very best means of  
teaching. Moving pictures that would  
show how modern poultry keeping  
should be done, accompanied by a good  
lecture on the subject, would be well  
worth appropriating money for and  
could be made to do a vast deal of  
good. Sure, it will cost money, but  
it will be well worth it.

At the present time the Oregon Agri-  
cultural College is doing a great work  
for better poultry with the new course  
of "movies" instituted under the di-  
rection of Prof. James Dryden. Uncle  
Sam, through his Dept. of Agriculture  
ought to be doing the same thing. So  
had all of the state colleges that are  
having poultry courses. Lantern slide  
lectures are good. The A. P. A. ought  
to work for them. "Movies," or  
speaking moving pictures now known  
as "Talkies," are better and we be-  
lieve that the American Poultry As-  
sociation should strive for the best.  
Go about it in the right way and after  
the initial investment such courses of  
"Talkies" could be made self support-  
ing. Go to it Mr. Wittman, but ask  
for more, strive for more, and get all  
you can for the benefit of the American  
poultry industry.

## AMERICAN POULTRY JOURNAL

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has a national and world-wide reputation.  
The best writers on poultry matters con-  
tribute to its columns. It receives the  
patronage and endorsement of the fore-  
most representative breeders of standard  
poultry and manufacturers of poultry ap-  
pliances in the country.

Just a word about compensation of  
poultry lecturers. At the present time  
state boards pay lecturers an honor-  
arium of \$10 per lecture. Usually the  
most a poultry lecturer gets is \$10 and  
expenses. It isn't enough. Any good  
man competent to give an instructive  
lecture on poultry subjects cannot af-  
ford to make lecture trips on such  
terms. He loses in both time and  
money. We have given our last lec-  
ture at the \$10 rate. We can't afford  
such lecture engagement. The last  
two cost us a good deal more than we  
got out of it. As Mr. Wittman says:  
"the dollar must be the test." We  
can't afford to spend \$10 in cash and  
\$20 in time to give a lecture that calls  
for a long railroad trip, a talk of an  
hour and a half's duration before noon,  
a lunch of "coffee and sinkers" while  
answering questions during the lunch  
intermission, and then another hour on  
the platform, all for the modest sum  
of \$10 honorarium and \$5 expense  
money. We have done it a number of  
times and gone \$15 in the hole, "for  
the good of the cause," but we have  
had to quit it and decline such lecture  
opportunities with thanks "for the  
good of our family." Twenty-five dol-  
lars and expenses is none too much to  
pay a man competent to deliver a good  
lecture on poultry and the entertain-  
ment committee ought not to expect  
to keep him talking all day on a lunch  
of coffee and doughnuts, even at that  
price. Keep the ball a-rolling.

## Preserving Eggs

At this season of the year, when  
eggs are low in price, there are a good  
many people who "put down" (pre-  
serve) eggs against the season of  
scarcity and high prices.

There is only one method that is at  
all satisfactory, with the exception of  
commercial cold storage, and that is

the water-glass method of preserving  
eggs. Briefly this process is as fol-  
lows: Clean, sterile eggs (new laid)  
are packed in a stone jar (or other  
similar covered container), they are  
then completely covered with a ten per  
cent solution of water-glass in steril-  
ized water; the jar is covered and  
placed in a cool room where the air is  
kept fresh and free from objectionable  
odors. Water-glass syrup (silicate of  
soda of 1.12 specific gravity) is used  
for making the solution. In general  
usage take one quart of water-glass  
syrup and mix it with nine quarts of  
boiled water. Be sure that the solu-  
tion is cold when poured over the eggs.

The water-glass method of pre-  
serving will keep eggs in edible con-  
dition for ten months to a year. When  
they are wanted for use they are re-  
moved from the solution, rinsed, dried  
and used like other eggs. They fry  
well, serve for almost all culinary pur-  
poses, but seldom make good frosting  
or confections. They can be poached,  
but in order to boil them it is neces-  
sary to punch a needle hole in the big  
end of the egg, otherwise the shell  
will burst. We have tried them and  
tested them at all ages of preserva-  
tion from six months to eighteen  
months. We never have any difficulty  
in telling preserved eggs from fresh  
ones. We have never preserved eggs  
ourselves except for experimental pur-  
poses.

Personally, we class the preserved  
egg and the best storage eggs in about  
the same class as food. We don't care  
for them and we don't want them on  
our home table. A fresh laid egg right  
from the nest, or not over a week old,  
is none too good for us. We are  
rather fussy about what we put into  
our mouth and still more so about what  
goes into our stomach. We don't be-  
lieve that anything can be too good  
and we know a lot of things that are  
not good enough. It is a mistaken



policy that economizes on foods and blows itself on doctors' bills. The best food is none too good. Old and stale foods often have developed within them some properties that are injurious.

All strictly fresh eggs are not all good. We prefer, after becoming more intimate with the method and manner of egg production, to have eggs only from hens that we know are healthy, well kept and properly fed. We don't think that five cents each is too high a price to pay for properly made eggs that are new laid. We had rather have one real new-laid, properly-fed egg at five cents than two, three, or even four doubtful eggs for the same amount of money. The two cent egg don't interest us much. It is sold at a price too close to the actual cost of production to be really good. Cheap produce, cheap prices. Good produce, good prices. You can't get something for nothing. When you think that you do, you get left.

Think it over. When you eat an egg select one that isn't ashamed to "stand up" and look you in the face. The flat-yolked "shifty-eyed" kind are poor sort to introduce to your stomach.

#### Legislation Against Cooperation

When one studies recent attempts at "fool legislation" in various states and the present situation in the National Government, he may well ask: "Where are we at?"

For some time past our Uncle Sam has given us to believe that he was in favor of encouraging cooperation among poultrymen and farmers, which would result in better quality goods, better understanding and methods of doing business between producer and consumer, and better returns with a better chance for making a good living for the producers.

The following editorial quoted from the Saturday Evening Post furnishes some food for thought for poultrymen and farmers. Evidently some of our lawmakers are not as much in sympathy with the struggling producers and cooperation as we have been led to believe:

#### "GETTING AFTER THE FARMERS."

"Senate bill number forty-three, introduced in the New Jersey legislature at the instance of President Wilson when governor, says that persons who 'make any agreement by which they directly or indirectly preclude a free and unrestricted competition among themselves in the sale or transportation of any article or commodity, either by pooling, withholding from the market or selling at a fixed price, or in any other manner by which the price might be affected,' shall be subject to three years' imprisonment and a thousand-dollar fine.

"Apparently this would hit all cooperative associations among farmers for the marketing of fruit and vegetables. Practically all such associations are pools—all of them are entered into for the express purpose of preventing competition among the members in the selling of their produce; the primary object of all of them is to affect the price.

"In various instances these co-

operative associations have been the farmers' salvation. So long as they marketed their fruit or vegetables competitively, each grower acting for himself, they got no return for their labor and investment. It was only when they marketed through a cooperative pool that they made any profit. At the same time these cooperative associations, in nearly all cases, have raised the grade of the fruit, introduced better packages, and as a net result have increased the price to the ultimate consumer very little if at all.

"The statute book may declare this to be a crime, but is it?"—(Saturday Evening Post.)

The above is doubly interesting at this time. President Wilson is now the head of our National Government and it will be for us all to learn if he still holds to this view of cooperation. Also one of our poultry journals, Poultry Husbandry, edited by D. M. Green, has gone in strong for cooperation among poultrymen and is devoting a large proportion of its space monthly to "Spreading the Gospel of Cooperative Marketing" for "The Common Good." We are in sympathy with Editor Green's good work, and we have understood that Uncle Sam through his Department of Agriculture encourages cooperative measures. Now we have State legislators striving to make cooperation a crime and at the instance of the man who is now our President. "Where are we at?"

#### Mr. Stoddard's Review of That "Remarkable Bulletin"

So much attention is given nowadays to improving the laying qualities of poultry, and the matter is of such importance, that we call special attention to the first installment, in this issue, of a review by H. H. Stoddard of a late bulletin on the subject, from Maine Station, by Raymond Pearl, Ph. D.

Two points especially that Mr. Stoddard makes are worth thinking over in connection with Dr. Pearl's contention that unusual fecundity cannot be bequeathed by a hen to her female progeny; a position which if maintained would change the efforts of hundreds of earnest poultry breeders.

First, that when, in the human family, or in other branches of mammalia that normally bring forth one at a birth, there are twins, the occurrence tends to crop out repeatedly in the female line for several generations, the sides being meanwhile from stock in which twins were unknown. This surely is a plain case where unusual fecundity is inherited on the female side of the house irrespective of the males.

The other matter in the review we wish to point out as well worthy of consideration is, that when the sole influence of blending unrelated stock increases fecundity at once, as emphasized by Darwin, a fecundity that is inherited for several generations; the blending itself is not, and cannot be, dependent on one sex alone. A fusion in its essential nature implies dual cause. Any influence dependent on union in breeding is dependent on two factors, not on one alone, which last would be impossible, Mr. Stoddard says. This militates against the claim of Dr. Pearl that unusual fecundity cannot descend from the female side, a position which, as we pointed out last

month, contains a degree of improbability at the start so great as to almost amount to impossibility.

#### The Coming A. P. A. Election

Nomination returns for the coming American Poultry Association election will be found in another column. Judging from the vote on the nomination ballot we are likely to spend the second week in August at Atlantic City, New Jersey. Well, there are worse places on the map at that season. There are sure to be amusements enough of all kinds for those who go to ride on the joy wagon. We can look for sea breezes, sea food, mermaids and sharks,—and all of the sharks won't be in the sea. You'll need to take a good bank roll along with you and the chances are that when you leave, the hotel man will have the fattest share of it. It's all in the game. That is what shore resorts are for. So, get a ten dollar a day room and take your meals at Childs, or some stand up lunch, if you have any funds left. We note that Chicago had 118 votes, Boston 17 and Buffalo 16, and we are wondering who voted for 'em. You could find both economy of cost and comfort in any one of these three cities for a sane business convention, but who wants anything like that when out for a junket?

The vote on the nomination ballot probably indicates how the election may be expected to go for new officers for the association. Although Mr. Hicks has stated positively that he is not a candidate for reelection we note that he received a good complimentary vote. These votes ought to be placed where they will do the most good on the election ballot. Secretary Campbell seems to be comfortably sure of reelection and that is a good thing for the association. As for the rest of the ticket we haven't any comment except,—may the best men win.

#### American Poultry Association Annual Election 1913—Nominations

Statement showing the five candidates for each office receiving the highest number of votes and the number of votes cast for each nominee for all offices of the association.

##### PRESIDENT.

E. E. Richards, Cedar Rapids, Ia.....554  
Reese V. Hicks, Topeka, Kas.....313  
E. B. Thompson, Amenia, N. Y.....213  
Henry Steinmesch, St. Louis, Mo...64  
C. D. Cleveland, Eatontown, N. J....45

##### 1ST VICE PRESIDENT.

Jos. Russell, Toronto, Ont.....304  
S. J. Hopper, Dallas, Texas.....271  
W. C. Cleckley, Augusta, Ga.....62  
C. D. Cleveland, Eatontown, N. J....35  
U. R. Fishel, Hope, Ind.....26

##### 2D VICE PRESIDENT.

W. C. Cleckley, Augusta, Ga.....372  
John A. Murkin, Nashville, Tenn....37  
S. J. Hopper, Dallas, Texas.....36  
L. L. Haggin, Lexington, Ky.....33  
L. B. Audigier, Knoxville, Tenn....20

##### SECRETARY.

S. T. Campbell, Mansfield, O.....1,238  
John A. Murkin, Nashville, Tenn....195  
Theo. S. McCoy, Springfield, Ill....11  
H. B. Hark, Glendale, O.....2  
S. A. Merkley, Buffalo, N. Y.....2

##### EXECUTIVE BOARD.

W. C. Denny, Buffalo, N. Y.....821  
C. D. Cleveland, Eatontown, N. J....663  
U. R. Fishel, Hope, Ind.....608



T. E. Quisenberry, Mt. Grove, Mo.	482
S. A. Merkley, Buffalo, N. Y.	193
A. A. Peters, Denver, Colo.	132
S. J. Hopper, Dallas, Texas.	111
Robt. Seaman, Jericho, N. J.	111
G. M. Curtis, Buffalo, N. Y.	83
Richard Oke, London, Ont.	77
F. A. Kummer, Butler, Pa.	59
A. E. Martz, Arcadia, Ind.	37
Lewis G. Heller, Bridgeton, N. J.	34
J. M. Parker, Creston, Mont.	21
L. P. Ludden, Lincoln, Nebr.	18

#### PLACE OF 38TH ANNUAL MEETING.

Atlantic, N. J.	537
Detroit, Mich.	376
Chicago, Ill.	118
Boston, Mass.	17
Buffalo, N. Y.	16

#### TIME OF HOLDING 38TH ANNUAL MEETING.

2nd Week of August.	565
3rd week of August.	89
1st week of August.	71
1st week of September.	42
4th week of August.	35

O. L. McCORD.

Election Commissioner.

#### Lecture Bureau Committee Affairs—An Appeal for Aid

By W. Theo. Wittman, Chairman.

There are many calls to lecture before Y. M. C. A.'s institutes, schools, clubs, granges, etc., usually without remuneration. Now, if the American Poultry Association had the money, or having the money could be persuaded to vote it for the purpose, the ideal way would be to have lanterns and a series of the very best slides for the free loan or use of every one of its licensed or authorized lecturers.

There can be no question, that if the American Poultry Association was on its job, it would be doing this. Would be doing this in a liberal and comprehensive way, thus enormously furthering the interests of the poultry people and the poultry industry.

As for the American Poultry Association putting poultry lecturers in the field, or partly remunerating poultry lecturers for work done, that is impossible now and will always remain so, at least, until the Association revises or re-adjusts its financial policies. From much experience, I know that it would simply be impossible to carry along a single lecturer for less than \$5.00 per day, expense for railroad and hotel alone. Or to get men that are capable for less than \$5.00 per day salary. Therefore, to even begin to cover the United States and Canada would cost the American Poultry Association from \$100,000 to \$500,000 annually.

A much better way and a more feasible way would be for the American Poultry Association to yearly vote, say \$500 or \$1,000 to the Lecture Bureau Committee for the distinct purpose of getting the various states to put more and better poultry lecturers in the field. Furnish the various State Bureaus or Departments of Agriculture, and possibly the State Experiment Stations, annually, carefully revised lists of lecturers that have been approved by the national poultry body, or, the American Poultry Association that can be equipped with lanterns, or at least approved slides. Now, that "extension work" along all lines of agriculture is being fostered, it especially behooves the American Poultry Association that it sets its stamp of

approval, in the form of a license or otherwise, only on thoroughly good men. These men should first of all have made good with their own poultry keeping in fact, to be blunt, should have made dollars while in the poultry business. We may, some of us, still deery the dollar mark basis; but the dollar must be the test. For 99% of the people who are in utility poultry are in it for the "dollar." And this ratio will be the ratio of the future. Further, lecturers should be of high moral character and be able to present their subject in a pleasing manner.

Now, if there is one thing that America has, beating all the rest of the world, or distinctively "American" it is the number and extent of its poultry "farms." To have a series of slides showing these farms in detail as they exist in every section, or even state, of our country would be very much worth while. Such slides would not only be highly interesting to the average audience, but would trend to immensely impress the general public with the extent and possibilities of poultry farming and pure-bred poultry. Would be a good advertisement for the country, for the state or section and particularly for the owners.

If such slides truly representative, can be gathered together, the American Poultry Association, or possibly, the Exposition people themselves might have a continuous performance, or a continuation of slides on the screen with a lecturer in attendance daily during the continuance of the great Poultry Show at the Panama-Pacific Exposition, San Francisco, 1915. Such an entertainment would prove immensely popular and be the greatest advertising stunt ever pulled off by the American poultry fraternity. Therefore, as chairman of the Lecture Bureau Committee, I would urge all large and representative poultry plants in all sections of the United States, including incubator and supply plants, poultry publications, duck farm, etc., to have made, in the next few months, a complete series of photographs of their plants. Plants as a whole and plants in smallest detail. Let the photos be good ones. Let them be numbered and accompanied with a descriptive synopsis. The right is reserved to reject all that are not good or are not suitable. None will be re-

turned, but it is agreed that such will be destroyed and not used for other purposes. Mail to W. Theo. Wittman, chairman Lecture Bureau Committee, Allentown, Pa.—(American Poultry Assn. Bulletin.)

#### DR. WOODS' NOTES AND COMMENTS.

Our proofreader got tangled up and lost in the rush of business that came with the work of publishing the March American Poultry Journal, and as a result there were some weird errors of the types. Practically all the quotation marks were left out of quotes in "Home and Table Department" and in Mr. Stoddard's grist. In the heading of Dr. Harvey R. Gaylord's article on "Cancer in Fowls and Its Prevention" his name was misspelled and the word "decided" was used in place of "desired." Please note that co-operation of breeders is desired in the study of fowl cancer by Dr. Gaylord. There were many other "bad breaks" of the types too numerous to mention. However, our proofreader has been duly re-proved and has promised to do better hereafter.

\* \* \*

M. Russell James, of Camp Meeker, Cal., writes us concerning one of our February editorials, as follows:

"Your editorial, 'The "War" on Egg Prices,' was such a surprise to me, coming from a poultry journal, that I must even take time to write a word of congratulation to a poultry editor that has the courage to say things which might possibly keep some fool city person from rushing into the poultry business. The mission of the poultry journals, per se, seems to be to get everybody into poultry, and to leave them to get out as they can.

"My opinion of the new fad of the society women to get busy and get into print is the same as yours. The daily papers are only too glad to get such a popular theme to dilate on, and so gives them a boost on all occasions. I have the Poultry and Farm page, which is a feature of the Sunday Sacramento Union, and tried to show up in my department what it all meant to poultrymen and eventually to the consumer, even while the editorials were extolling the 'Woman's League' to the skies. The expected has happened and the cold storage people are not buying up eggs for the

## WHITE ORPINGTONS

### An Established Strain with an Established Record

Write for catalogue giving list of winnings at Madison Square Garden, Chicago, Buffalo International, Cleveland, Allentown, Hagerstown and Pittsburgh. We have supplied hundreds of guaranteed winners and have started thousands of people in the chicken business with breeding stock at moderate prices, quality considered. We are now booking orders for winners for the fall and winter shows, in Single Comb as well as the new Rose Comb White Orpingtons, on payment of a small deposit.

**We have improved the White Orpingtons and we can improve your flock**

A few bargains left in yearling breeders. "Poultry for Profit" gives the essentials of the poultry business. Price 25 cents. It contains no advertising. Our advertising is free for the asking.

**LAWRENCE JACKSON FARM**  
BOX A, HAYSVILLE, ALLEGHENY CO., PENNA.





leagues to sell below cost; consequently, eggs are lower than they have been on this coast in ten years, and indigo is the color of our poultry farmers' skies."

At the present writing (March 14) nearby hennery eggs in the Boston market are wholesaling at 24 cents a dozen, which is about where they were a year ago this time. Since the December "egg war" the price has dropped steadily. The crusade flattened out and consumers soon tired of the storage eggs that were being unloaded on them. Stale eggs, with several bad ones to the dozen, don't sell well a second time to the same consumer, and the unloading of such eggs doesn't help the consumption of eggs of better quality. No doubt some storage men made a good thing out of the egg crusade, but it is now a thing of the past, and we don't think the same game can be worked on the public another time.

Just now the sensational newspapers are having a "war" on the sale of rotten eggs and rotten egg products to cheap bakeries and confectioners. It may do some good and we hope it will. One of its effects, however, will be to lessen the consumption of really good eggs. Anything that causes the public to distrust the quality of eggs checks consumption. It is a fact well known in trade circles that a number of firms have been salvaging dirty, check, spot and rot grades of eggs for a good many years. Prominent scientific men have been engaged to testify that these salvaged rotten eggs are perfectly good food. One manager of a big firm in this business employed a certain Institute of Technology professor several years ago to work on rotten eggs, and has kept him employed ever since on similar investigations, the purpose being to discover just how rotten an egg could be and still not be absolutely harmful if used as food.

Some six or eight years ago we visited the plant of a big concern that makes a business of salvaging doubtful and bad eggs, and which has a chain of similar depots across the continent. We were shown all details except one department, where eggs were evaporated, or dried, to make supplies for bakers and tanners. The process in that department was "secret." We visited the place with the intention of writing it up, but after looking into matters we did not see our way

clear to make a satisfactory report of it. The firm was regularly inspected by the city board of health and had a number of scientific men of good standing on its pay roll making investigations. The story of the process was sure to prove repulsive in print, and a detailed review of our own observations and opinions would have been liable to start litigation. Some years later this firm was brought into court by the government authorities for violation of pure food laws and it put on a number of scientific experts to testify in its behalf, and beat the government to a frazzle. We note that in the present crusade against firms which deal



A pair of White Indian Runner Ducks, as bred by Jas. R. Snyder, Frazier, Mo.

in and salvage rotten eggs the name of this big firm is not mentioned, only the small fry are being made the "goats."

We recall that we were told that a spot or rot egg could be made perfectly wholesome and edible by taking out the bit of rot, just as one might cut out a rotten spot from a specked peach. We saw long lines of girls at tables breaking low grade eggs and separating the whites and yolks and scooping out the rotten places. The whites went into one can, the yolks into another and the "rot" into another. The saved yolks and whites were sold canned and frozen to bakers and confectioners and even to some hotels. The process did not look appetizing to us. Eggs unfit for food were said to be prepared for use of tanners and in

the arts. Recent developments in the rotten egg crusade show that a good many of the packages marked "non-edible" and "tanners' egg yolk" really do go to bakeries and to candy factories to be worked up into food. It is claimed that some of these reclaimed bad eggs were fed to guinea pigs and the pigs died as a result. The government has again stepped in and is investigating. Good may come of it, but we are still some skeptical. We hope for the best, but there is a whole lot of reform needed in all of our American food supply. We have to eat meat that could not be sold abroad. Our meat inspection is a farce and worse. The inspection at country slaughter houses is even worse than at the big city plants. We get diseased, doped and adulterated foodstuffs all along the line. There are spasmodic and sensational reform movements that are chiefly newspaper "guff," then a nine days' wonder and horror at conditions, and we slip along to a fresh sensation. We need a fearless and honest pure food administration by the government of this country and one that can't be seduced by the powerful money interests. The question is, will we ever get it?

We don't believe that a bad egg can be reformed. You can't take a rotten or spoiled stale egg and make desirable wholesome food out of it. Every time such reclaimed bad eggs are used, or the products of such eggs, a long chance is taken of poisoning some innocent human being. Some folks are more susceptible to such poisoning than others. In practically every market in this country diseased meat and bad eggs, as well as other spoiled foods, are being sold. Investigate and see for yourself. You don't have to be so very observing to see a good deal that ought not to be so. Keep plugging away at your law makers until they provide and enforce a remedy for the evil.

We are told that if it were not for cold storage the price of eggs would drop out of sight in the spring and summer and go soaring up toward the skies in the season of fall and winter scarcity. The cold storage saints garner the crop in time of plenty and so save too great a fall in price, and save the eggs against the time of scarcity and high prices that we may have eggs at reasonable prices. We have read buncombe platitudes on this theme

## REGAL RECORD LAYERS

Regal White Wyandottes have long been noted for their splendid laying qualities. By means of the trap nests I have developed a strain of birds that are wonderful performers. Scores of letters from customers bear testimony to this fact. I submit the following affidavit from a Michigan customer giving the laying of an exhibition pullet I sold him:

State of Michigan, U. S. A., County of Jackson.

This is to certify that on the Eighth day of December, 1910, I purchased of John S. Martin of Port Dover, Canada, one White Wyandotte pullet and that on or about December 20th, 1910, said pullet began to lay and from said date until the 1st of November, 1911, I received from said pullet 235 eggs.

Signed Fred Koons,

210 Summit Ave., Jackson, Mich.

State of Michigan, County of Jackson.

I personally appeared before me Fred Koons and makes affidavit that the above foregoing statement is true to the best of his knowledge and belief.

Subscribed and sworn to before me this 12th day of December, 1911.

Signed Frank J. Wheaton.

Notary seal.

For the season of 1913 I have mated up twenty beautiful exhibition matings, all headed by my winners at the New York State Fair and Boston, and containing all my exhibition females.

Price of eggs from pens 1 to 20 (as they run): \$5 per 15, \$9 per 30, \$12 per 45, \$24 per 100. Pens 5 to 12 are special matings. Eggs from special matings only (as they run): \$10 per 15, \$18 per 30, \$25 per 45, \$50 per 100.

RECORD LAYING PENS—Dorcas Line. Pens 21 to 26 are headed by males bred from females with big records. Some of these males also have exhibition records. The females in the six pens are composed of yearlings with trap-nest records from 180 to 224 and pullets of the same breeding. From these pens eggs are \$5 per 15, \$15 per 50, \$27 per 100, \$50 per 200. Utility matings of vigorous surplus stock, \$5 per 50, \$9 per 100, \$17 per 200, \$25 per 300, \$75 per 1000. 500 cocks, hens, cockerels and pullets for sale. SPECIAL—50 big, vigorous, stay-white, Dorcas line cockerels, \$10, \$15, \$20, and \$25 each. Dorcas pullets \$5, \$8 and \$10 each. Utility cockerels \$5 and \$5 each.

Send four cents in stamps for the Regal White Wyandotte Book, the finest book ever published, dealing wholly with the White Wyandotte. FREE—20-page illustrated catalogue and mating list. It gives full description of my matings for 1913.

JOHN S. MARTIN

BOX 51

PORT DOVER, CANADA



Crusader III, a Boston Winner



until we are weary. An old storage egg is never good. Eggs did not drop out of sight in price in time of plenty when we had no cold storage and did not soar to forbidding prices in time of scarcity. They wouldn't now. The time to eat an egg is when it is fresh laid, or as soon thereafter as possible. Cold storage and refrigeration has its place in getting eggs safely into market and in keeping on hand a sufficient supply to prevent a famine in case of checking of shipments from any cause. There are abundant abuses in the matter of storage. Not the least of these is speculation and gambling in storage eggs. Every storage egg ought to be sold as such. Only recently we have seen a storekeeper get three different grades and prices of "fresh" eggs out of the same case from a big packing and storage company, and every last one of these eggs must have been at least three months old.

\* \* \*

Some day we hope to see some better regulation of the price of new laid "henery" eggs based on quality and cost of production. Stop a bit and figure what it costs to produce a dozen eggs. Figure it as close as you can, but don't fail to get included in the estimate upkeep of plant, operating expenses and labor. Well now, how much can you make on yesterday's eggs at 24 cents a dozen? Don't forget that you have to count the loss, or partial loss, of cracked eggs, thin shells and dirties. For selected new laid eggs 50 to 60 cents a dozen isn't such a high price after all, is it? Such a price would be more nearly what a man ought to get for a first quality product, would it not?

\* \* \*

Consider the cost of meats. Four moderately thick "kidney" short lamb chops will cost you 35 to 40 cents in most of our city markets today (and for some time past). That is practically 10 cents per chop. Two chops for your breakfast cost you 20 cents plus cooking, and they are not a whit more satisfying than two poached eggs. Some folks find one poached egg sufficient, and the same person might be satisfied with one chop. Well now. With eggs at 60 cents a dozen your two new laid eggs, fresh and wholesome and with abundant food value, stand you 10 cents, or half as much as

the two chops. Do a little boosting for the 5-cent fresh laid egg.

\* \* \*

Arthur G. Duston writes us: "I have been so busy since November I have hardly had time to read anything. I got time the other night to look over the last three numbers of the American Poultry Journal, and I want to congratulate you on them. It's fine work. I could tell you a sad tale about "hurt" corn, with Duston the sufferer. It's all too true. I thank you for the kindly word about the judging. If you said it I know you



First S. C. Red cockerel and color special at Ohio State Show Jan., 1913. Bred and owned by R. I. Armstrong, 1054 Sullivant Ave., Columbus, Ohio.

meant it. I don't breed loose feathered birds and I don't want to. Perhaps there will be a change. I think what you say about egg farms in February one of the best things I have read for a long time."

\* \* \*

We don't as a rule publish complimentary letters, though they are very welcome and stimulate one to strive harder to do good work, but the above extract from Mr. Duston's letter is too good to keep. We hope he will tell us

about his experience with spoiled corn. Such experiences, well told, help others to avoid losses. When Duston and ourself get together we make a good picture of the "long and short of it" in poultrydom. We have known him a good many years and we value his congratulations not only for the friendliness contained, but also because we know that Duston, besides being a fancier and poultry judge, is also a competent and experienced practical poultryman, with a mighty good foundation of the "know how" in the meat and egg side of the business.

\* \* \*

We take this opportunity to again caution poultrymen to use only fresh sound chick food. Stale chick food is liable to contain spoiled grain. Spoiled grain, particularly spoiled corn, will kill your chicks. At this season of the year the danger from spoiled grain, cracked grains that are blue and green with mould and mustiness, or "green heart" germs, is very great. Spoiled grain kills off many thousands of baby chicks every year at this season. It is poison. Don't feed poison to your little flocks. Don't feed old, stale, or doubtful chick food at any price. It is a whole lot better to be safe than to be sorry when it is too late to mend matters.

\* \* \*

We hope to have ready that open-air house number early in the summer. We have had a strenuous and difficult March with some serious setbacks in our poultry work, due to circumstances we couldn't prevent or control, due to the dishonesty of others and wholly unforeseen by us. Nevertheless we continue right on deck and shall keep busy trying to get out a better journal and to make the best use possible of our opportunities for developing American Poultry Journal Experimental Department. Experiment Station Department will not appear in this issue, but we will try to have a good grist ready in season for the May number.

—o—

The brooder house of Everett C. Rote, of Mohnton, Pa., was destroyed by fire on March 7, together with the incubators containing 3,500 eggs and the brooders and over 1,000 young chicks. The loss was nearly \$4,000.



Pen of Prize Winners

My display of 40 male birds was the attraction of the great Chicago Show, December 12 to 17, 1912

## RUDY'S PERFECTION WHITE WYANDOTTES

SUPERIOR TO OTHERS ☐ THE ACME OF PERFECTION

### Eggs for Hatching

Get the best you can for your money. Don't buy eggs from questionable stock. They may be somewhat cheaper, but the outcome of the hatch will look the part.

Rudy's Perfection Wyandottes are known all over the country as the peer of the Wyandotte.

Get my mating list—free for the asking—and see the reasonable prices at which you can buy eggs from the Grandest Matings obtainable.

If you want to know all about breeding White Wyandottes, send for my Art Catalog. Absolutely the best book of its kind. Gives full information on how to succeed, how to take care of baby chicks, what to do when your fowls are sick. An article on how to fit birds for the show room is worth dollars to any breeder. Send 10c in stamps to help pay cost of mailing, etc.

Geo. H. Rudy, R. 15, Mattoon, Ill.



# Notes from the Southwest

Conducted by H. H. Stoddard, Riviera, Texas



## CUSTOM VS. PROGRESS.

PEOPLE FOLLOW CUSTOM and soon custom becomes an ingrained habit. There is not a saying, a doctrine, a mode of industry, or anything else so absurd or so utterly preposterous, root and branch, but what you will probably keep on following it as a matter of course, once you get in a rut.

Illustration: I suppose the English people and their continental predecessors cut grass with scythes for over two thousand years. Hay was certainly cured and stored in England as far back as King Alfred's reign. The oldest Anglo-Saxon chronicles rescued from the dusty past speak of the scythe, then a rude affair no doubt, and the ancient Teutons and their predecessors in turn, from the half savage times down through the centuries, whenever they kept horses and cattle in cold climates, must have sometimes stacked a little dried grass for winter forage.

Let us inquire how these millions of people used to whet their scythes. I know how I was taught to sharpen my shining blade, and how the necessary operation must have been performed during the two hundred years and more before the advent of the moving picture machine in this country, and by the English farmers before any of them settled here. They turned the point of the scythe directly away from them, and struck with the whetstone in a slanting direction towards the point.

Unthinking custom. Undiscerning habit. A rut followed by innumerable generations of as intelligent men as ever occupied this planet.

The blows should have been struck towards the heel of the scythe. I first found this out by noticing some Hollanders whetting their scythes, the points being turned backward over their shoulders. Most of the Americans who still ply the scythe occasionally, cutting weeds mayhap instead of grass, have not found it out yet. I mowed some rape today and no doubt would have struck towards the point while sharpening my scythe had I not observed the Hollanders.

How many ordinary things we do wrong every day, just as our forefathers did. There are a hundred wrong practices all of us are following. If we include the little fads and foibles the count will be a thousand.

By fads I mean such things as "you must not drink at meals or you will dilute the gastric juices too much." This precept had a great run some forty years ago till some physiologist proclaimed that water if taken merely in obedience to thirst impaired digestion not one whit.

There was another fad that was rife once, namely, that you must not drink between meals. The bewildered listener to the opposite teachings might well inquire, when under heaven may I drink?

### Law of Progress.

It was once the custom for farmers

to kill and dress beeves at home and take the hides to a neighboring tannery, then have the leather kept for the perambulating shoemaker to come and live with the family till little and big were shod. This was called "whipping the cat around the settlement." Later regular slaughter houses were established where hides were furnished to the tanners, who sold leather to the shoemaker who stayed at home, furnished all his materials and customers came to him, there being no more boarding around. Still another evolution. Little shoe shops were set up, where four or five journeymen, and for a wonder ten sometimes, worked together. This was regarded as a wonderful business achievement. Had an industrial prophet appeared and said: "Why, men, you are wrong; that is not the way to make boots and shoes," they would have thought him crazy. Egg farms are in the same shape today. They are no farther along than the little one-horse cobbler shops were. Propheying on poultry lines is extremely easy in A. D. 1913. There is not a large market poultry establishment, or a large partly market and partly fancy poultry establishment, on earth today but what is wrong, decidedly wrong.

The stages that are approaching in commercial poultry keeping are, first, the multiplication of large ranches producing great quantities of absolutely fresh, clean, perfect, guaranteed eggs; in the desperate race to supply the public demand, a demand that grows more



## KEELER'S WHITE WYANDOTTES

### The Aristocrats of the White Wyandotte World

They combine size, shape, style, head points and, above all, the power of reproduction, having been line and pedigree bred for the last nineteen years. They possess the best blood lines in existence.

### The World's Greatest Strain

## EGGS EGGS EGGS EGGS EGGS

For the season of 1913 I have made sixteen of the grandest matings that have ever graced Keelersville. They contain most of my prize winners at Topeka, Kansas, December, 1911-12, and the best birds raised the past three years. Sons and daughters of these great birds. They are bred right and mated right to produce the winners at America's largest and best shows next season the same as they have done in the past. My 60-page 1913 art catalogue of America's finest White Wyandottes, describing the sixteen best matings in America, free for the asking (stamps accepted). Eggs, \$5 per 15, \$9 per 30, \$14 per 50, \$25 per 100.

**Special Matings, \$10, \$15 and \$20 per 15**

FIRST PULLET AT TOPEKA, KANSAS, DEC. 1911

Keelersville, Chas. V. Keeler Proprietor and Mgr., R. 11, Winamac, Ind.



and more urgent all the time and has been growing for forty years that I know of, and is today farther from being overtaken by the supply than it ever was before. Why, my friends, it was not so very long ago that our cities were comparatively small, and the modern immense hotels, divided into the metropolitan, mountain, seaside, tourist, and so on, were utterly unknown. Even a modern strictly first-class restaurant was unheard of. There were resorts called "eating houses" when I was a boy; that was all. That's the name they went by. Great Scott! Men from a dog fight wouldn't enter 'em now.

The billion dollar industry has been growing, its magnitude not recognized till lately, and now within the last year the literal rottenness as well as magnitude of the egg trade has been discovered, and the importance of applying the pure food law has been learned; one of the best laws that was ever on the statute books and without which the public would ere now have been still more flooded with all sorts of adulterated or decayed food.

What an enormous loss has been going on in the egg trade the papers have told us.

#### What a Shame

that while thousands of hard working people find it impossible to make their earnings feed them properly, such an atomable gap should exist between the producer and consumer of such an important staple article as eggs!

The strong arm of the law must control transportation and distribution, and the sixty poultry papers, and poultry columns in innumerable farm papers must teach line on line and precept on precept, and schools, public speakers,

the movies and the railroads with their cars of instruction must all co-operate. The whole matter of furnishing the great American public with poultry products is wrong as now practiced. Manifest destiny points out that great changes are on the way.

As we said the first evolution will be the multiplication of great commercial farms. Cases of guaranteed eggs at wharves and railroad stations, plenty as leaves in the valley of Valambrosa, will stare you in the face. The excellence of the contents of these cases will be like the virtue of Caesar's wife, absolutely above suspicion. There is no article of food so peculiar as eggs, from the fact that ordinary appearance gives no clue to quality. The brand, the real Simon-pure brand, will consequently have a value beyond the brand of any other article of food.

Well, the big poultry farms will make money, those badly located excepted, for there is no other industry where a good location has such tremendous importance. The result will be a further increase of their number. You can't make money in anything very long before people find it out. It has been said that scandal travels on the wings of the wind, and that may be; but news of money making travels with the speed of greased lightning. Eager eyes will seek for the best place to operate and there is but one best place, and I am penning these lines at not far from the exact center of it. Already moderate sized poultry plants are started here, and the owners are surprised at the easy money they are making, while I laugh and ask them, "Didn't I tell you so?" With feverish haste they are hatching as fast as they can, so as

to double and quadruple their layers. I am even interviewed of late by wealthy parties who propose "going in big."

At the time of my earliest experience here I could not find a man who had ever received a case of guaranteed yesterlaid eggs in his life. I do not say that there were none such, but do say that on applying to the steward or "buyer," as they called him, at hotel after hotel, I could not hear of any receipt of any such eggs, and I was the first to ship

#### Guaranteed Eggs

at the express station here. Now various parties bring their thirty dozen cases till the expressman actually looks a trifle bewildered.

Up to now shipments are, so far as I know, confined to hotels, restaurants and boarding houses, all these of the high-toned sort. At least one dealer I know of, who caters mostly to wealthy customers, wanted yesterlaid eggs and offered a price considerably above the ordinary but was turned down because the hotel folks came across handsomer. The new big hotels, like the magnificent one just completed at Corpus Christi, will demand more yesterlaid eggs than the Southwest can supply, but this state of affairs cannot last forever. I know of two owners of big tracts of land who are looking in vain for capable managers of large scale poultry plants, and are determined to strike while the iron is hot as soon as such men can be found. When they ask "where are the capable managers?" echo answers. Northern experience won't apply here worth a cent.

In time poultry ranches will be so big and numerous that export trade will come and with it all the ups and downs

# Byers' Strain Orpingtons

## BUFF, BLACK, PEARL-WHITE

If you don't know of me and my responsibility, ask the Editor of this Journal. Then get my 1913 Catalog.

I have Won at the largest Shows past 14 years in Orpingtons; Have judged them from New York to Los Angeles; Bred them that Won yearly from Coast to Coast. EGGS from the best Special Matings possible \$10 per 15, \$18 per 30, \$50 per 100. (Infertiles replaced free.) Utility Eggs, \$15 per 100; \$60 in lots of 500.

Now, I will wager that Eggs purchased from my Special Matings at the above prices will produce more high-grade birds than Eggs purchased elsewhere at the same or a higher price—number of chicks reared considered. Moreover, I am going to guarantee to please every reasonable customer who purchases Eggs from me this season. I do not mean to infer that there are not other good birds in the country, but I do assert that the Eggs I WILL DELIVER at my price will produce more high-grade specimens than those purchased elsewhere, as above mentioned.

There are many choice birds in the yards of breeders, but the fellow who owns them without the knowledge of properly mating them handicaps himself, as well as his customer, although he may maintain and believe that he is right. I have gradually, by scientific experience and research, developed an exceptional and indispensable knowledge along this line. That's why I have been urged to place the Orpington awards at the largest Shows of our Country. But I am not in the judging business. My business is to breed one breed right and furnish Orpingtons and Eggs of the highest grade and at attractive values consistent with their blood lines and Standard qualities, and I have been doing it for 14 years, and I will be at your service in this capacity for years to come. In view of the above I am going to merit your patronage, if I get it.



BUFF



WHITE



BLACK

Read This Again **C. S. BYERS, HAZELRIGG, IND.**



that appear in every big business that combines the three features of production, transportation to distant points and sale.

It will be a long time before supply of choice eggs will

#### Overtake Demand

but that time will surely come. Then it is that the poultry ranch that is best located and best equipped with labor saving devices will live and prosper while its inferior competitors go under.

Just here is an important consideration. During all the long time which will elapse before supply overtakes demand the well equipped ranch will make two dollars where the poorly equipped makes one. The proprietor of the first mentioned ranch will witness from easy street the first commercial storm that arises.

A great part of the labor saving on top of that made by going to the best place may be outlined as follows:

There must be no watering whatever. On the range, in the yards, in coops for breaking up sitters, in hospital, brood coop, hatching department, everywhere, even when a solitary bird is confined, water must be supplied automatically. Milo Hastings was right when he said that after watering without labor, either by never failing stream or pond, or by pipes, had been shown, the keeper making poultry a business, who would go on in the old way would be capable of catching driftwood on shares.

Poultrymen are looking into this water business all along the line, and finding that nothing beats artesian wells if lakes or streams are not available. For raising guaranteed eggs which must be kept very clean, the wells beat the other methods. Water by pipes does away with the mud that is sure to be found more or less at the margin of streams and ponds, which, adhering to the birds' feet, will sometimes reach the nests and soil the eggs. Rains being enough trouble of this sort without having an extra source added. A very small hole in a water pipe from which water constantly drips is the proper caper. But be sure and have a very small cup for the water. A big affair will accumulate sediment at the bottom while the cup will keep clean. Of course the cup must stand on a box or block of wood or stone or something or other so that scratching dirt in may be prevented. Never scrub the cup from year's end to year's end if it is contrived right. Fasten it to stay. Dash water on violently, if you want to, occasionally to clean it, or, rather, pour it on from as great a height as convenient. But this is wholly unnecessary. There may be a little green slime in warm weather but don't be scared for it is as innocent as a baby or a lamb.

Actually millions of dollars' worth of time is squandered scrubbing poultry drinking vessels throughout the length and breadth of this fair land. But "the dirt, the dirt," the writers say, and their "health." Oh, yes, the precious health of a bird that dabs in dirt all day, and in reeking dunghills if it can find them, and in the most repulsive filth it can get at, in a wild state, following deer and other animals far for the purpose, and constituted by nature expressly for that habit. Verily, a dunghill fowl. There may be in the water a bit of dirt from the bird's bill, while it is scratching in acres of dirt half the time. "Drinking vessels clean," and "bowel trouble," and "don't overfeed," and all that lingo

over and over, make me tired.

But the drip, drip, drip all night will make mud worse than that at the pond's edge you say. Well, if you cannot contrive to get around that you are no Yankee and I won't tell you. In this matter of watering the Southwest, where there is no freezing, permits a tremendous saving of time.

The six great things where labor saving must be sought are hatching, rearing, feeding and watering, providing fresh green stuff and gathering eggs. No establishment combines all six as yet. In fact, my good reader, you will hunt pretty much all over this great and glorious land to find a poultry plant that accomplishes any three of them, or even two, with the very

#### Minimum of Labor.

That is why I said that commercial poultry raising is today in about the same stage that the shoe industry was when half a dozen men in a small shop made boots and shoes by hand.

All feeding, nearly, must be automatic. The amount of feeding that is not affected by mechanical means must be so small as to be negligible. The moving of every kernel of corn and

every ounce of bran from ear to store-room and thence to the birds must be managed with the very minimum of labor. To cite one little point: Would you shovel grain into a wheelbarrow when it is necessary to use that conveyance? Nay, nay! It should run in. And not by hit or miss but by a double stop arrangement in the chute which discharges the precise load and works a cut off instantly, and there's your cargo at a snap and not a kernel scattered, the wheelbarrow being built on purpose. Another little point. Did you say rats? Narrow, boarded up, dark passages located all over the sap works with entrances rat size, and water, good nesting material and everything luxurious. Food not reached except by the rodent discharging an electric current that puts him out of mischief. Lid contrived for the very maximum of convenience in placing more bait and removing the dead to be used for chicken food.

All hatching to be done by ———; here I stop, for have been reminded of the Arkansas fiddler who always played on one string. Please wait awhile. I have entered the campaign to stay.

## America's Largest Line of Incubators and Brooders

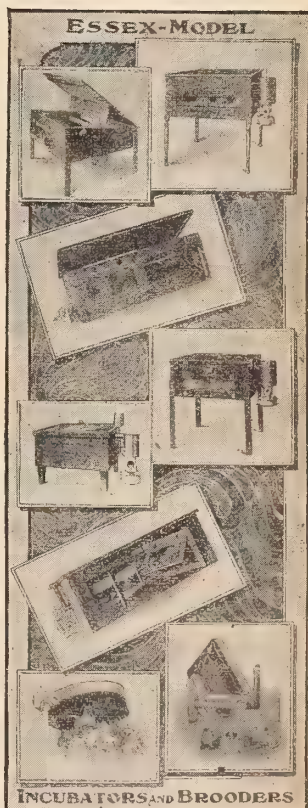
Your Choice of 19 Sizes and Styles \$2.25 to \$48

Some people think Essex-Model Incubators and Brooders might cost more because they are Superior Machines and cost more to build. Don't get a wrong impression. It is true they are better, but our profit is smaller than others—and so you get the benefit of High-class machines at low prices. You get the best machines on earth at the price you would have to pay for inferior machines; so surely you should choose the best. Our Catalogue illustrates how they are made, and proves that they Hatch Better and Brood Better.

Mr. Essex offers you the advantage of his Quarter Century of experience at no cost to you. Let him Start you Right. It is half the battle.



Your Friend  
"BOB" ESSEX



INCUBATORS AND BROODERS

## We Manufacture Everything In Wood and Metal For Poultry-Keeper

We have Agents all over the country who have these goods in their stores where you can see them. Write us for address of Agent near you. If there is no Agent near you we will sell to you at Factory prices. Anything you need we can sell you—Better and cheaper. Insist on seeing Essex-Model goods before you buy. If your storekeeper does not keep them, please write us. Write for our FREE 1913 Catalog containing Five Chapters on Poultry-keeping written by Mr. Essex. It will start you right. This Free Book also contains 30 Illustrations of Down-to-date Poultry Houses in use at Experiment Stations all over the country, and much other valuable information. All Free. Address nearest office.

**Robert Essex Incubator Co.**

3 Henry St., Buffalo, N.Y. or 67 Barclay St., New York City





PRINCE CHARMING

HIP! HIP! HOORAY!

CHICAGO WINNERS

PITTSBURG WINNERS

INDIANAPOLIS WINNERS

AMERICAN ROYAL WINNERS

And winners in forty-nine (49) other shows in the U. S. this past season were hatched out of Aristocrat Eggs.

## Think This Over

Is not this a simply phenomenal record? Such eggs I am sending out to my customers in all parts of America at \$10 per 15, and guarantee eight strongly fertile eggs to each setting. Does this look good? Do you who are reading this—do you want to raise such Barred Plymouth Rocks? Then send \$2.50 per setting right now and have your order booked for delivery when you want to set the eggs. The balance you may send just before I ship the eggs to you.

Special Sale of Highest Quality  
Pullet-Bred Cockerels Now Go-  
ing on. Write!

W. D. HOLTERMAN, Fancier

Box A, FT. WAYNE, INDIANA

Now in regard to the egg-gathering branch of labor saving; this matter is exceedingly important, and in a climate where eggs must be gathered often a decided advantage is found in the use of

### Waist-High Nests.

Many years ago I advocated having all nests, whether of layers or sitters, located so that eggs could be gathered, fresh litter put in, the hatching business managed and all such affairs worked with the maximum of both ease and celerity, and published a cut of waist-high nests.

Friend Root, in his sterling periodical, *Gleanings in Bee Culture*, published a few months ago another picture of such nests, his accompanying text declaring that he hated to bend his back if he could help it. But the avoidance of irksome position or motion is only a part of the story. The time spent in bending over and then straightening up again, trifling as it may seem, is very great in the aggregate in a large establishment. It is by reducing labor to the minimum in every process and adding altogether that the ne plus ultra of cheapening production appears.

When the advantages of Texas for poultry raising and egg farming become more widely known people will come here from all parts of the Union to make these branches their sole business; as they now go from other states to California for that purpose. The poultry future of the

### Great Southwest

staggers the imagination. Just at the time the great growing cities cannot longer be supplied with eggs by the farmers, and so demand large poultry plants, and just as the method of conducting such plants profitably is found, lo! and behold, a district is discovered where a third of the capital and a quarter of the work heretofore necessary will give a greater yield of stuff where-with to feed poultry than has been possible during the last forty years. The world knows little of the incomparable productivity of certain soils in the Southwest, warmed by a semi-tropical sun.

Regarding the ease and certainty of production of poultry feed here, the popular ignorance is so dense it could be sliced off with a hay knife.

It has been claimed that the belt of Cheap Grain Production extends from Dakota to Texas, and this was said with reference to such staple grains as corn, wheat and oats. If it is claimed that the northern part of Texas rather than the southern can claim to be within this belt it should not be forgotten that the Southwest is the paradise of the cane family and that two or three members of this group yield good poultry grain which is not generally cultivated to advantage as yet; but the power gang plow and the auto-cultivator will change all that, the lay of the land and the texture of the soil being perfectly adapted to their use, and then such a volume of Egyptian wheat will appear as eye has not seen, ear hath not heard of and the mind of man hath not conceived of in its vastness.

It is not generally known that just south of the great corn belt the zone begins, where, although corn can be grown, it cannot be done to as great advantage as farther north. In Oklahoma, Arkansas, Missouri, Kansas, Nebraska, and so on, cane can be grown, but not to so great an advantage as farther south. The cane group contains

the ribbon cane used for making sugar, the sorghum cane for syrup and then for livestock, three other canes known as the

### Non-Saccharine Canes,

the kaffir corn, milo maize and Egyptian wheat. The stalk and leaves of the last are useless for forage, but the seed is extremely valuable for feed, the first gives the best forage and the poorest seed, while the second yields both seed and forage of medium quality.

It is the seed of the Egyptian wheat that is the banner poultry food of this part of the country. It analyzes much like Indian corn, and by small size of kernels answers for chicks as well as for grown birds.

Talk about the "corn belt." Of course, in some parts of the West, by the listing method, and the harrow followed by the four-row cultivator, wonderful results are achieved, for sometimes one hundred and fifty acres of corn can be raised and marketed by one man in a year. But in the Southwest the rainfall, soil and lay of the land allow the same implements to be used for raising Egyptian wheat and this can be rapidly harvested by a header. When one crop is cut another springs up from the stubble and matures a heavy crop of seed, no labor of preparing ground and seeding being involved. The book speaks of "seed time and harvest." Here is a seed time and then

### Two Harvests

the same year. Green stuff growing the year around. Equipment for fowls ten cents per head against a dollar or upwards at the North. No fighting mites and purifying buildings and roosts, providing dusting places, thawing drinking vessels and shoveling snow. A climate that promotes health and heavy egg yield. Harbors near, and all Christendom for a market. Cheapest rich land in the United States and cheapest grain in the world.

## Silver Wyandottes

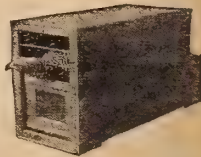
Exclusively—The Beauty and utility breed. The best winter layers. Stock for sale at all times. No eggs nor day-old chicks. Send for catalogue.

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The Only Trap-Nest that the EGG closes the door.

Shipping Coops, Live Chick Boxes, Egg Boxes, Lice Remover, etc., etc. Send for Poultry Supply catalogue.

WARNER  
The Coopman  
RIVER ST. :: ALLEGAN, MICH.



W. Wyandottes



### Winners at New York

Last Madison Square Garden Show (class of 261). Real egg machines. By all means get my free booklet before buying birds or eggs.

H. N. Hanchett  
Vineyard Haven, Mass.

Eighteen years a breeder and advertiser in A. F. J. formerly of Jackson, Michigan.



## NOTES FROM ENGLAND

CONDUCTED BY

MISS CAREY, TOYNTON RECTORY, SPILSBY, ENGLAND



### THE EARLY LIFE OF EXHIBITION BIRDS.

NOT LONG AGO a curious discussion arose in the English fancy, brought about by the awarding of a cup to the breeder of the best bird in the show, as to who is the breeder of a bird.

The bird at the show referred to had come out of a purchased sitting of eggs, and the question was whether the man who bought the eggs could claim to be the breeder of the bird. Correspondence for and against ran on the subject for many weeks, many breeders affirming that only the man who held the breeding stock could claim to be the breeder, while the poultry club council and other breeders held that the man who had hatched and reared the bird to perfection had an equal claim to the title. And such indeed would appear the only just solution of the problem when one comes to consider what ruination or perfection of the progeny of a pen can be attained between the date an egg is placed under incubation and the time of maturity.

One man may take the eggs and hatch out strong healthy chicks under the most perfect conditions, grow them from start to finish without check, produce an easy winner or two, mate them properly and

from this fine vigorous stock perpetuate the breed to greater perfection. The other man will take the same eggs, hatch under the worst conditions a few weakling birds, grow them badly, allowing many checks from chill or overheating, bringing to maturity a few sickly birds with plumage in bad condition from exposure and being poorly fed. These birds are naturally not fit for show purposes and can produce only weaklings in off-spring.

In view of these facts the man who hatches and rears and carries forward to perfection or ruination a race of birds another may have originated, is yet equally the breeder with the man responsible for the production of the eggs and the possibilities of life which they held.

It is the realization of the fact that in the hatching and rearing of stock lies to a very great extent the breeding and perpetuation of a strain, for better or for worse, that induced me at the present time to offer to young breeders a few

hints on the necessary care and attention of growing stock, and old breeders who have been through the mill learning, by experience perhaps none too pleasant, will, I feel sure, be with me if I go over old ground.

Now the one principal aim in the mind of the would-be prize winner must be, how can I hatch and grow those chicks so that they do not stop growing for a single day? First of all let us glance at hatching operations, and the natural method of incubation is decidedly the best, giving every form a better chance to develop, resulting in a strong well-born chick. Provide a comfortable, roomy nest in a well-ventilated place and arranged so the hen can be confined. Make a comfortable bottom of sand or earth, rather saucer-shaped, so the eggs will not roll away to the corners, yet not too concave, and cover lightly with hay. Dust the hen well with a good insect powder and place her on the nest with a few artificial eggs. If by the next day she is comfortably settled place the sitting of eggs under her. Several hens should be set at the same time when it is possible to do so, and after the eggs are tested on the seventh day the fertile eggs may be given to the hens showing good motherly qualities.

## Poultrymen Have Confidence In The Globe Incubator---

because all the value---all the invested money is put into the machine itself. We put all the money in the machine. We have never made a statement that was unsound or shaky. Everything we say about the "Globe" is truth---positive fact backed up by seventeen years of a wonderful success. Don't be misled by those low priced machines. You know it takes a great deal of yelling to sell anything that's below standard. We have never had to advertise in that way in our life. The Globe's reputation sells it. It is a standard machine---one that you can depend on.

Thousands and thousands of both men and women have been "stung" by purchasing a machine that looks nice in the picture because the man selling it shows a nice big photograph of himself. It is interesting to note that every user of the "Globe" (and then there are thousands and thousands) is today making money just as fast and practical as it is possible to do in the poultry business. And the best proof that our Incubator principles are scientifically correct is the fact that we make Infant Incubators for physicians. Read our large 1913 Poultry and Incubator Catalogue and see what we have to say about our Infant Incubators. This big book has hundreds of testimonials. This is a mass of evidence---solid facts that are the best guide you can obtain. We want you to read them over. See how enthusiastic these people are about the Globe Incubators. Let them tell you in their own words how successful their poultry business has been since they used the Globe Incubator and Brooders. See below for further information about this catalog. Here's a few further words about these wonderful machines and what they are made of.



Send your order at once. Don't miss this remarkable opportunity. And remember when you buy the Globe Machine you are getting real value.

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Send us 15 cents for our big complete book on Poultry, Incubators, Brooders, Poultry supplies. We will save you many dollars. It has more real information than a whole library of Poultry books. It shows everything that is required to make a poultry farm a success.

C. C. Shoemaker, Box 605, Freeport, Illinois

## The Standard 200-Egg Globe, \$18.00

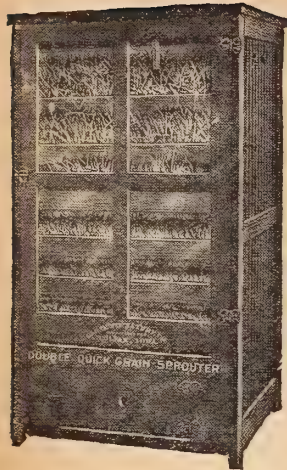
This is without doubt the most carefully built incubator made. It is made of specially selected lumber---each piece picked. Has a most superior hot water heating system and this system is exclusive in the Globe. The pipes that carry the hot water through the egg chamber are made of regular gas steel tubing so that they are absolutely airtight and water-tight. Insulation is the most thorough ever found in any machine. Regulation system is controlled by what is known as the Compound Double Hydro Valve. Tanks, trays, lamps, etc., are of the finest model and best material obtainable. Can be run with kerosene, any kind of gas or electricity. And all this most perfect construction makes it possible for you to get those high percentage hatches for which the Globe is famous all over the country. This is the incubator that will make you money. This is the incubator that has the real value behind it and not a pretty photograph of somebody.

**200-Chick Globe Brooders \$11.75** After you have your little chicks all peeping about looking like good money, don't chance them to some brass band brooder. Get them in the Globe and you're pretty sure of cashing in at a profit every single time.

This 200-Chick Globe Brooder has all the basic principles that has made the Globe famous. Has the over-head system of hot water pipes, contains two compacts---one for feeding---one for nursery. Ample light and ventilation. The most efficient lamp on the market. Will never rust. The whole brooder is made to stand the racket.

**For 30 Days Only Combination Price \$23.50** If you buy within the next 30 days you can get one of these perfect 200-egg size incubators and one 200-chick brooder, only \$23.50.





## Eggs Sprouted Oats Eggs

To meet the great demand for eggs this spring—eggs of high fertility for hatching—feed the hens something green, and there is no green feed the equal of the living, vitalizing, growing, Sprouted Oats.

Eggs of a high per cent of fertility means chicks of great vitality—chicks that live and grow.

To force chick growth, to bring the young pullets to the laying stage, to develop fries and broilers quickly, feed the chicks germinated wheat.

To get great quantities of Sprouted Oats and germinated wheat quickly, buy a

### DOUBLE QUICK GRAIN SPROUTER THE PERPETUAL POULTRY SILO

A veritable hothouse, growth-forcing machine. Makes two to four bushels of feed from one of grain. Soon pays for itself in the feed it grows and the increased egg yield. Sprouted in 24 hours and forces growth of 2 inches and more daily. The Double Quick is the original grain sprouter now three years old, several thousand being in use in every part of the United States and Canada, and is endorsed by hundreds of users. Made in six sizes from a few hens to 1,000. Send for complete booklet on the grain sprouters and sprouted oats.

Close-To-Nature Company, 38 Front St., Colfax, Iowa

## Carter's American Dominiques

The Great Sensation of Boston, 1913, Show. For five consecutive years they have cleaned up this great show. Boston, 1913, winnings: Cocks, 1-2-3; hens, 1-2-3; cockerels, 2-3-4-5; pullets, 1-2-3; pens, 1st. No show record equal to mine. No birds better bred for both utility and fancy. Two hundred years or more of breeding has fixed the great egg and meat producing qualities in this warranted breed. I have for sale the best lot of birds I ever owned. Eggs for hatching.

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Dr. L. E. Williams' Barn, St. Marys, Ohio.

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### For All Buildings in All Climates

The true test of a roofing is its ability to withstand *unusual* conditions. Illustrations show buildings on which J-M Asbestos Roofing has withstood 120° of heat without melting or drying out—40° below zero without cracking—deadly gases and chemical fumes without being injured—and a constant rain of hot sparks without burning.

The wonderful durability of this roofing is due to its *all-mineral* construction. There isn't a particle of perishable material in

## J-M Asbestos Roofing

Made of that *indestructible rock*, Asbestos, reduced to felt and cemented layer on layer with Trinidad Lake Asphalt, the greatest known water-proofer. Literally a *flexible stone*.

This roofing is still in good condition on hundreds of buildings throughout the country after more than 25 years of wear. Costs less per year of service than any other roofing—its *first cost* is the *last cost*. No coating or gravel ever needed.

Easily applied. Shipped direct from our nearest Branch if your dealer can't supply you. Write for free sample of the wonderful fireproof ASBESTOS ROCK from which this roofing is made, and our Book No. 26

### H. W. JOHNS-MANVILLE CO.

Albany	Baltimore	Boston	Buffalo	Chicago	Cincinnati	Cleveland
Dallas	Detroit	Indianapolis	Kansas City	Los Angeles	Louisville	Milwaukee
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Toronto Montreal Winnipeg Vancouver

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Morshahn Ice & Cold Storage Co., Los Angeles, Cal.

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International Stock Food Co., Savage, Minn.

Let the hens have ten minutes to half an hour a day off their nests, according to the temperature of the weather, providing them with all the food and water they care to consume, and an opportunity to exercise freely and dust themselves. Should a hen prove restless, especially at the start, discard her, if possible, as always the hen that sits steadily and close to the eggs invariably gives the best results.

When the chicks are twenty-four hours old remove to comfortable quarters, where the chicks may have an outdoor run, preferably a grass run, making sure that the mother is hovering them properly. The first day or so the chicks do best if confined, but after that they may be allowed access to the run. We keep our chicks bedded in sawdust, which is changed once weekly and kept clean at all times. The scratching part is bedded in chaff, in which seeds and small grains are scattered from the time the chicks are three days old. A drinking fountain is also provided and a tray for grit and fine charcoal. We feed five times a day for the first three weeks and after that four times. Up to ten weeks chick seed, ground oats and milk, biscuit meal and milk forms the chief diet, with an occasional rice pudding made with milk and dried off crumbly with ground oats for a mid-day feeding. Where there is no grass, sprouted oats chopped fine should be provided. After a few weeks chick seed may be replaced by cooked wheat, oats and kaffir corn or other suitable cooked grain, which is much more digestible, and when dried off with a little meal can be scattered into the chaff and is a very economical feed.

If the birds do not appear hungry at feeding time omit the feeding until they are eager for food. The eyes of the chicks should always be bright, the limbs strong and firmly put down, as any dullness of eye or weakness of limb needs prompt treatment on starvation diet for a few times and later a diet less rich and less frequent.

The chicks should be moved frequently to fresh ground, and after three or four weeks allowed free range wherever it is possible to do so, watching carefully for the first few days that they do not go astray.

Personally, I pin my faith in chick rearing in warmth in brooding, fresh air, exercise and that rice pudding at mid-day, and following this method never have a case of leg weakness and rarely any of the little ailments young chicks are so constantly subject to.

In brooding chicks, overheating is more often than anything else the cause of trouble. Chicks to do well must have warmth and likewise fresh air. Beginning about the middle of April here we leave the lids of coops slightly open at the top, just enough to carry off the bad air. Shade should always be provided during heated terms.

See that the chicks have ample protection from rain and are not allowed out in wet, stormy weather. There should be equal protection from sun and excessive heat, as it retards growth and development. It is a good plan to face coops north during the hot weather, making them as cool as possible. A double roof with a space of four inches between is a splendid aid to even temperature during the hot weather.

A. A. Larson, city treasurer of Aguilar, Colo., claims to have perfected a strain of White Leghorn chickens with teeth. Next!



# QUESTIONS AND ANSWERS

Questions will be answered in this department only when full name and address is signed by the writer.

Conducted by

Prince T. Woods, M. D.

Q. (1) What properties does Venetian red, the paint powder such as is bought at paint stores, possess. A friend of mine used some in the water for chickens and I tried it and it seemed a great tonic. Is there anything dangerous about it, and is it an egg persuader?

A. (1) Venetian red has been used for many years as a poultry tonic. The name is only a trade name and in buying paint powder called Venetian red you cannot always be sure of getting the same thing. The kind used as a poultry tonic is a red oxide of iron. It is not soluble in water and its tonic value is much over-rated. Do not consider it of any special value in promoting egg production. If you want to give them iron oxide try saccharated red oxide of iron, which is soluble in water and is much better than common Venetian red. It can be obtained through your druggist for 60 to 75 cents a pound. One teaspoonful of the powder is about right for a gallon of drinking water. Common name for this powder is soluble iron or iron sugar.

Q. (2) I have two very active cockerels (White Orpingtons), each with a pen of nine females. In each pen the feathers are broken off neck and back of one female. How can this be prevented? Did I have too few females? I have now separated the cockerels and allowed females to run together, alternating the cockerels daily.

A. (2) You can't prevent it and don't want to if you are breeding the birds. The hen with broken feathers is probably a favorite in the harem; that is all. When a large percentage of the eggs from the flock are coming fertile, in the spring of the year, there are always a lot of females with back feathers pulled out and broken. Look out for sharp toe nails and sharp spurs on cockerels. These may cause torn backs and loss. Keep edges and points of male's toe nails blunted to prevent torn backs.

Q. (3) When you alternate two cockerels daily or weekly are twenty females too many for them? If so, how many can they serve and have eggs fertile. Which is better to alternate daily or weekly?

Chicago, Ill.

C. W. G.

A. (3) At this season one husky cockerel ought not to have any trouble serving twenty hens. If you alternate

from the flock in the summer these birds put on new plumage and looked as trim and neat as big pullets.

## Number of Eggs During Life of Hen.

Q. What is the average number of eggs that a hen will lay during her life?

Elkhart, Ind.

O. W.

A. It depends on the life of the hen. On plants where the life is seldom over two laying years 300 eggs would be a good average. Dr. Pearl of Maine Experiment Station says that probably few hens would lay more than 400 to 500 eggs if allowed to live out their natural lifetime, and he states that there are records of "1,000-egg" birds in existence. Some breeders have



One of the many breeding yards of the Co-operative Breeding and Hatching Co., Tiro, Ohio. This company will ship over 12,000 day-old chicks each week this season. Their great hatching system is one of the wonders of the century.

better do it daily. It would be better to give each cockerel ten hens in a pen of his own. You were all right at the start and it was a mistake to make a change. You can't rush birds in the breeding season and expect to keep the plumage trim and neat. Last season fully 80 per cent of our breeding females had the feathers worn off backs and from back of heads in March, but the eggs ran fine in fertility and hatchability. After the males were taken

claimed 600 eggs from one hen in four laying years.

## Off-Color in White Leghorns.

Q. About a year ago I bought a pen of two hens, two pullets and a seventeen months old cock from a party who represented them to be thoroughbred stock. My birds are all white, no brassiness, with the exception of two cockerels, raised from above stock, that have a dozen or two feathers on

The Greatest Leghorn Sire in The Middle West



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NEW YORK, 1911. CHICAGO, 1912.  
Unsurpassed As Layers of Large White Eggs

For Sale. { Eggs for Hatching  
Reasonable Prices { Day-Old Chicks  
100 Surplus Cockerels

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It Contains { Prices of Eggs  
List of Matings  
Description of Stock

The Willows Farm, Oscar Luedke, Mgr. : Lock Box 488 : South Bend, Ind.  
[References: The American Trust Co., South Bend, Ind.]



back wings that have a brown tinge like sample enclosed. The eggs from original pen were pure white, but one pullet lays an egg that is tinted. I enclose a sample of shell. Do you think these things indicate a cross or would the trouble be likely to come from inbreeding?

Cumberland, Md.

A. H. K.

A. Trouble is not due to inbreeding. It may possibly be the result of mating two unrelated strains or it may be result of an outcross a few generations back. Would eat the cockerels and the pullet and would breed the good ones and note further developments.

#### Limberneck.

Q. (1) Has anyone ever demonstrated that carrion, which gives

chickens "limberneck," could be made innocuous by heat?

A. (1) We have no record of such.

Q. (2) How long has limberneck been known?

A. (2) It is mentioned in some old books that were published seventy-five or more years ago.

Q. (3) The assumption is that the disease is simply ptomaine poisoning. If this be true, boiling would not prevent the disease; whereas if it is due to a germ heating to a comparatively low temperature would prevent it?

A. (3) "Limberneck" is a symptom only. It occurs from several causes. Fright, prolonged fighting, injury to head, neck or back sometimes result in limberneck. The symptom also occurs where there is intestinal irrita-

tion, either from "germ" poisoning, mineral or ptomaine poisoning and from worms.

Q. (4) Do any animals besides dogs and hogs acquire this paralytic disease which is so destructive to poultry?

A. (4) We have no data on the subject.

Q. (5) Does it ever occur outside of fly-time?

A. (5) It does. We have noted cases at winter shows.

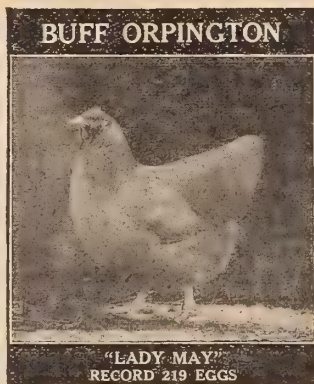
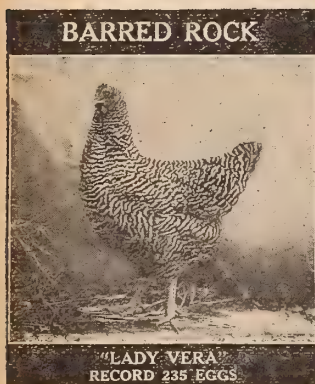
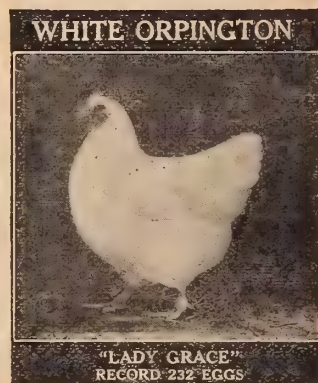
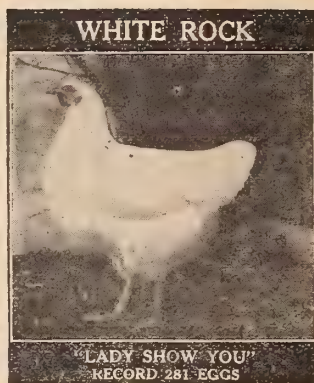
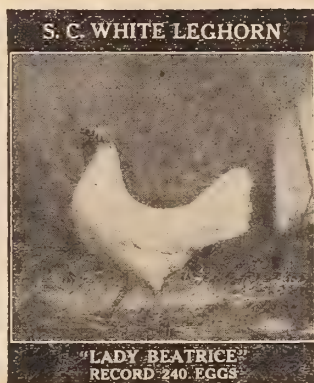
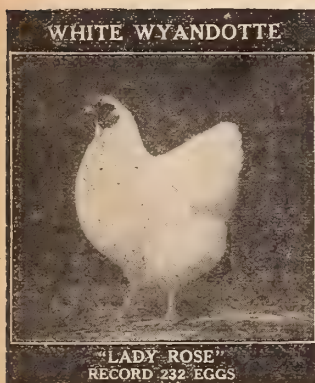
Q. (6) My observations embolden me to say that it is not putrid flesh, as such, that causes the disease, but the maggot contained in it.

St. Louis, Mo.

Dr. E. W. S.

A. (6) We will be glad to have a summary of your investigations. In our opinion neither the putrid flesh nor

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You cannot buy, regardless of price, stock, eggs or baby chicks that will produce the profits that are being produced by Midlothian Strains. Midlothian Farms and Hatchery is today the largest and most profitable poultry plant in this country. We can supply you with:

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from trapnested stock with record of 200 eggs or better, 30 cents each  
from trapnested stock with record of 144 to 199 eggs, 20 cents each  
from the same blood lines as trapnested stock, 10 cents each

### STOCK

Pullets from trapnested stock with records of 144 eggs and up, at \$2, \$3, \$4 and \$5  
Hens with individual records of 144 eggs and up, at \$6, \$8, \$10 and \$12 each  
Hens from trapnested stock without individual records at \$3 and \$4 each  
Cockerels from trapnested stock with records of 144 eggs and up, at \$4, \$6, \$8 and \$10 each  
Cocks from trapnested stock with records of 144 eggs and up, at \$5, \$8, \$10, \$12 and \$15 each

### BABY CHICKS

from trapnested stock with records of 200 eggs or better, 50 cents each  
from trapnested stock with records of 144 to 199 eggs, 35 cents each  
from the same blood lines as trapnested stock, 20 cents each

We are now booking orders for eggs and baby chicks. Booking your order now assures the delivery of eggs and baby chicks when you desire them. You may send us your order, enclosing \$5 as a deposit, and send the balance five days before your order is to be shipped. Book your order now. Write for catalogue. 800 pullets trap-nested annually.

**Midlothian Farms & Hatchery**

John G. Poorman  
Manager

**R. 5, Tinley Park, Illinois**



the maggot, as such, causes the trouble. Fowls eat putrid flesh and escape trouble. They eat maggots and escape trouble. Maggots that when fresh from the meat cause limberneck when eaten, if allowed to "clean" in bran or sand may be eaten by fowl without causing any trouble whatever. Isn't it possible that other toxins or toxic germs in the maggots or putrid meat, or both, may be the root of the trouble?

#### Broody Hens with Bare Breasts.

Q. I am writing you in regard to the condition in which I find about half of my hens. Though they seem to be in normal condition, are laying fine, and even want to sit, I find that they are losing all of the feathers directly between their legs. I should like to have

your opinion as to the causes of this and also a remedy. Would you advise letting them sit? I am afraid they would not be able to keep the eggs warm.

Beardstown, Ill.

A. P. R.

A. There is nothing wrong with your hens. Broody hens, or hens about to become broody, often pull breast feathers to line their nests. A broody hen with a bare breast often proves the best sitter. Don't borrow trouble, just observe nature and use your own "thinking cap."

#### Feather Pulling and Sore Head.

Q. My fowls are scratching at their necks and pulling all the feathers out. The skin turns red and sometimes torn and bleeding. Some of them have sore head. I have dipped them two times

in Kreso dip but it does not seem to cure them though it helps. What is cause and cure?

Lubbock, Tex.

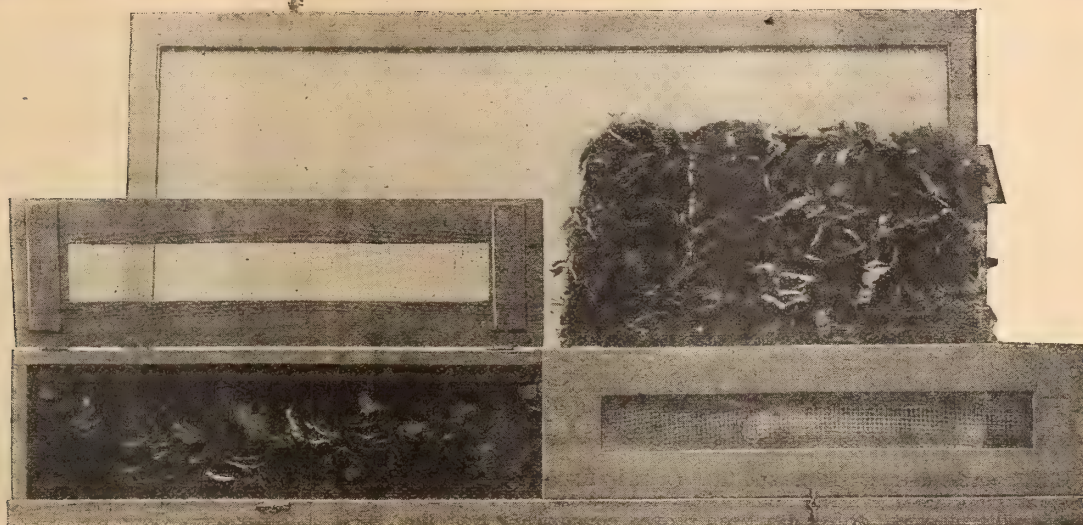
F. W. B.

A. You probably have a combination of troubles, sticktight fleas, sore head and feather pulling. Get your fowls out of poultry houses and provide wire enclosed roosts in the open. See that roosts get plenty of sun and that they are moved occasionally. Don't let the fowls run in dark, shady places or under buildings. Use the Kreso dip again when you move the birds. Shortly after the dip dries off apply compound sulphur ointment to the affected parts.

#### Hatching with Hens.

Q. I am much interested in the way you hatch chicks by having a battery of

## M.F. & H. FEATHER BROODER M.F. & H.



TWO-COMPARTMENT 150-CHICK CAPACITY

## Fellow Poultrymen

Your Success, Like Ours, Depends Entirely  
Upon the Stock We Raise

Regarding our Feather Brooders, will state that they are entirely responsible for the great success of our farms. We have used the leading makes of oil brooders, also hot water brooder systems, and have found in them only partial success. They meet requirements for a certain part of the year, but are not adapted to all conditions that prevail throughout the brooding season.

In the Fall of 1911 we disposed of all these different makes and systems, and since then have raised all chicks under feathers, and have raised all our chicks at all the times of the year successfully. Since using feathers, we would not use anything else as a gift.

Your success, like ours, depends upon raising stock, and if chicks have a poor start, they never will develop into strong, healthy birds as chicks raised under ideal conditions. We find in our brooders perfect ventilation and all conditions similar to the hen raised chicks.

In my twelve years' experience on some of the largest farms throughout the country, I have never in all this time seen raised a greater percentage of chicks than I have seen during the season of 1912 on Midlothian Farms; have never seen healthier chicks, nor had pullets laying earlier than the chicks we raised under the feathers.

We do not claim this brooder an outdoor brooder before June 1st. It must be operated in a room where there is a floor temperature of 60 degrees during the day time. The temperature can fall to 40 degrees during the night and the chicks will be perfectly comfortable. Of the 10,000 chicks we raised last year, not one case of White Diarrhoea developed.

We are perfectly willing to send you a brooder and all that we ask is that you follow instructions. These instructions are more simple than any that accompanies other makes of brooders. If you do not find a decided increase in the growth of chicks and other conditions as herein represented, you are at liberty to return the brooder and we will refund the purchase price.

Prices—Double Compartment Brooder, 150-Chick Size, \$15; Single Compartment Brooder, 75-Chick Size, \$9

Write for M. F. & H. Feather Brooder Circular

NOTE—It is our desire to establish agencies throughout the country, and we would appreciate the name of your local poultry supply dealer.

Designed and used by M. F. & H. Manufactured by Perfection Feather Brooder Co.

Midlothian Farms & Hatchery John G. Poorman R. 5, Tinley Park, Illinois  
Manager



## SILVER WYANDOTTES

Ohio's Blue Ribbon Winners. They still lead as winners. At Cleveland with four entries won 1st pen, 1st and 2d hen and 2d pullet. Get your egg orders in early. A few breeders yet to dispose of. G. F. STEWART, COSHOCTON, OHIO.

## Owen's Silver Wyandottes

We won first prize on cockerel and also first on pullet at the Cleveland show in January. Our first prize cockerel was claimed by the judges to be the best shown this year. Stock and eggs for sale. Write just what you want and we will be pleased to quote you prices.

R. D. OWEN

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CRESTON, OHIO



## Henry Steinmesch

ST. LOUIS, MO.

Breeder, Importer & Exporter of High Class

## Silver Wyandottes

Eggs for hatching, \$5.00 for 15  
\$8.00 for 30

MATING LIST ON APPLICATION. Address

Henry Steinmesch 220 Market Street  
ST. LOUIS, MO.

I have 2 pens of imported English Silvers, one Cockerel mating, one Pullet mating. Will sell a limited number of Eggs from either of these two pens at \$19.00 for 15.

## More Fertile Eggs More Vigorous Chicks

IT HAS been demonstrated time and time again by Experiment Station tests and reports—that Meat Poultry Food is necessary for the greatest fertility of eggs. It has also been proved conclusively that the chicks from flocks fed with Darling's Meat Scraps are sturdier and more hardy than those of flocks nourished by grain feeds alone.

### Darling's High Protein Meat Scraps Contain 55% Protein

and are the highest grade product on the market. Every ounce of Darling's Meat Scraps is absolutely fresh. Trimmings from roasts and steaks sold over the butcher's counter are picked up by our wagons the same day and cooked that night. In short, Darling's Meat Scraps are made from the fresh trimmings from the edible portion of the carcass. This gives uniform quality and sweetness.

They are low in fat, and fine ground as recommended by both the Experiment Stations and practical poultry raisers.

Darling's Meat Scraps cost no more than goods of lower protein content. Insist upon Darlings 55% Protein Meat Scraps at your dealers.

**Every Poultry Man should send for a free copy  
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This book is replete with timely, helpful and specific suggestions and hints on the care and feeding of poultry that you should know and profit by. It tells how to increase egg production and egg profits. Whether you own 25, 50 or 500 fowls, you will be tremendously benefited by reading and studying this book. Write for your free copy today. Simply address:

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nests with sitting hens all in a row, but do not remember reading what you do with the chicks after they are hatched. I would like to know if you put the hens in brooder houses with the chicks or let the hens with their broods all run together. What is the best way to handle them.

Burbank, Cal.

D. L.

A. We like nests for sitters built in batteries of 4, 6, 8 or 10 nests. The nests made with wire netting bottoms to rest directly on the ground and made with a roof to shed rain and a wire door to keep hen confined if desired. Pine needles or soft hay is used to make the nest. A wire fence is used to enclose the run in which nests are placed and they are so placed that they are sheltered from direct sun.

The chicks remain in the nest until they are dry and hungry. When the hunger cry becomes insistent the hen and brood are removed to small brood coops having a small wire run. Mother and chicks are confined at first. Then the chicks have range and the hen is confined. Setting a number of hens at the same time, all chicks in the 'battery' are hatched at same time and the chicks are usually allotted about twenty-five to a hen and the remaining hens are set over again.

### Bloody Eggs.

Q. I have sixty hens and all eggs are sold to private trade. I have had a few complaints about bloody eggs; that is, blood all mixed with the white of the egg. It is not caused by broody hens sitting on eggs. Eggs are collected three times a day. They are all locked up and there is no chance of getting eggs from a stolen nest. It is impossible to separate the blood from the white of the egg. There have been six eggs reported this way during the past four weeks. I can't find any reference to this trouble. There is not a crippled or sick hen on the place. I do not think the feeding has anything to do with it. The birds have been laying fine since last November and are still at it.

Seymore, Conn.

T. J. K.

A. Pullets may lay bloody eggs at beginning of lay. Some hens habitually lay a bloody egg now and then. Some hens lay a bloody egg at beginning and end of litter. The only sure remedy is to locate the hen or hens which lay such eggs and dispose of her or of them. Considering the structure and functions of ovaries and oviduct, it is not surprising that bloody eggs are sometimes produced. It is rather remarkable that we do not get more of them than we do.

### House Questions.

Q. (1) I have a house thirty-three feet long, eight and one-half feet wide, six feet high at back and seven feet high in front. Faces just a little south-east. It is covered with rubberoid and all cracks are stripped with poplar three inches wide and one-half inch thick, making it airtight on back and sides. It is an open front down to within fourteen inches of the floor. I have this front covered with one-inch poultry mesh wire and the curtains are made of heavy factory. I keep these curtains up during the day except real cold days and windy days if very cloudy. The house is about fourteen inches off ground and floor is made of two-inch oak, all cracks being lined with strips of iron roofing. I keep about six or seven inches of straw on this floor



for them to hustle in for their scratch grain. I have a row of nests the entire length of building about two feet from floor. The front of nests faces the wall and are about two feet from the wall, making the nests dark. The dropping boards are right on top the nests, making the roots about three feet from the floor. Are they too high?

A. (1) The house is not as deep as we would make it for an open front house, but this is not really an open front house as you have curtains. The nests are not too high.

Q. (2) Have two breeds, viz.: Barred Plymouth Rocks and S. C. R. I. Reds; have a partition about center of house composed of two-inch poultry netting. How many fowls will this open front accommodate? Is it best to have wire or solid partition?

A. (2) Will accommodate about forty fowls. Make the partition part solid and part wire. Have it solid next to roosts.

Q. (3) I have fifty-five eggs in one incubator which will hatch February 10th, and will start another 120-egg machine February 5th. Is this too early to hatch? What kind of incubator is considered the best, the hot water or the hot air system? Is it necessary to supply moisture to the hot water incubators?

A. (3) It is not too early to hatch. Both hot water and hot air incubators or standard makes are good. We have hatched the biggest chicks in hot water machines. Under some conditions all kinds of incubators require supplied moisture.

Q. (4) Is it advisable to set the very first eggs the pullets lay, provided they have been mated?

Stephensport, Ky.

O. W. D.

A. (4) No.

#### Abnormal Egg.

Q. I would like information. I have a pullet that has laid since December. On January 30 I found that she was not feeling all right. She seemed droopy but not sick. The next morning I found her on the nest. She laid an egg with a perfect shell. There was a soft shelled egg inside of this with egg white both inside and outside of it. Inside of this another inner egg skin with egg in it. Has it injured the hen for laying purposes?

A. One abnormal egg does not unfit a fowl for egg production. If you have no further trouble and she continues to appear well and lay normal eggs we should not worry about her. If she does not produce normal eggs would kill her for market. Diseases or abnormal conditions of the egg organs are not often successfully treated and when a fowl begins to habitually lay abnormal eggs it is best to get rid of her while she is still marketable.

#### Remodeling Poultry House.

Q. I have a poultry house eight feet deep by 18 feet long. Could I take out the front of this house and put on a shed in front 10 feet deep and 18 feet long, so as to give an open front house something like the Woods house, 18 x 18 feet? The present house is 6 feet high in front and 4 feet in rear. I want to make a three-pen house.

Worden, Ill.

C. E. N.

A. You can make a good house by remodeling it on that plan, but you will have to raise the roof of the rear section. Would carry the shed roof of the old house up to 8½ feet stud by building

## H. E. BUKER'S PRIZE WINNING BLACK, BUFF & WHITE ORPINGTONS

Grand matings, every pen headed by a prize winner and mated to the best type females that ever grew. All fine in head points and grand in their respective color. Limited number of settings at \$5 per 15 eggs. Two Black Orpington Cockerels winners of first and second and first and third prize at two fine shows. Price reasonable.

H. E. BUKER (Attorney at Law)

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ZANESVILLE, OHIO

HANDSOME CLOTH BOUND  
CATALOGUE FOR STAMP.

ANCHORAGE, KY.  
P. O. BOX 114A

SPECIALIST IN HIGH-CLASS

# WHITE

LEGHORNS  
ORPINGTONS  
WYANDOTTES

MAYWOOD WHITES ARE WHITE.



## Choice Chicks

Newtown Chicks are blue-blooded aristocrats. They are descendants of a strain of birds that has been line bred for years for exhibition and heavy egg laying.

## NEWTOWN S.C. White Leghorns

are great egg producers. They all have that depth of body which stamps them as heavy layers.

You know that chicks from such birds will become profit-bringers, and you know you're getting the best when you order "Newtown" Chicks.

You know "Newtown" Chicks will reach you safe and sound, because they will be shipped to you in strong, roomy, wooden boxes that ably protect the little ones from rough handling and bad weather.

Let us tell you more about "Newtown" quality. Send postal now for our new and handsomely illustrated poultry catalog Q and mating list.

**Newtown Producing Co., Newtown, Pa.**





on to the front after front of house has been taken off. Then would leave a space for monitor top windows and build on the low front section. In this way you will get a better house.

#### How Many Fowls on This Lot?

Q. My poultry yard contains 160 square feet; roosting coop, 36 square feet; scratching pen, 160 square feet. How many fowls can I accommodate comfortably in such space?

Milwaukee, Wis.

J. S.

A. Twenty, probably. The dimensions as given do not afford much information on which to base an estimate.

#### Fresh Fish for Poultry.

Q. We have a great many worthless fish that go to waste when the fishermen seine, the dogfish and gar are thrown on the banks in large numbers to decay, rot and smell. Can they be utilized for feeding chickens? Can they be preserved like meat scraps? Can the oil be extracted and the residue used for fertilizer?

Havana, Ill.

B. W.

A. The fish can be boiled and fed sparingly to laying hens, not enough to taste the eggs, or they can be fed

freely to growing chicks. Feed only sweet, fresh fish and have it well scalded or boiled. The oil can be extracted by steam cooking and pressure and the remainder used as fertilizer. If fish is perfectly fresh when cooked and oil extracted the cake residue can be ground for poultry feeding. The whole fish, without preparation, can be used for fertilizer if desired. The first settlers in Plymouth County, Massachusetts, found the Indians using fish in the hill when planting corn in the sandy soil, and today waste fish is often ploughed under the soil for fertilizer purposes.

#### Metal Droppings Boards.

Q. Please give your opinion on covering droppings boards with galvanized iron. I am about to build a new poultry house and it occurred to me that a covering of metal would make the droppings boards more sanitary and more easily cleaned.

Oberlin, O.

G. M. S.

A. We prefer to do without droppings boards. We certainly would not want metal ones. Use land plaster, dry loam or other absorbents under the roosts and do without droppings boards. When necessary, clean out the house

and use fresh absorbents under roosts after the cleaning.

#### White Shelled Wyandotte Eggs.

Q. Will pure bred White Wyandottes lay white shelled eggs when they are pullets? Are Wyandottes supposed to lay only brown shelled eggs?

Burkeville, Va.

M. F. R.

A. Some Wyandottes lay tinted eggs that are almost but not quite white. They are classed as a brown egg variety but there is a tendency for eggs to bleach out in color as laying advances. You can build up a brown egg flock by careful selection.

#### Poultry for Mountain Climate.

Q. I am thinking of going into the poultry business and want to know if there is any kind of poultry that will stand the mountain climate of New York state better than others. I want a good breed for eggs. What kind of houses would be best?

E. D.

Ray Brook, Adirondack Mts., N. Y.

A. Wyandottes or Rose Comb R. I. Reds ought to fill the bill all right for what you want. Would use open front houses.

**R. C. Caldwell** Ships Baby Chicks of Quality on short notice. See ad on page 653

**McDANELL'S** Golden and Columbian Wyandottes  
The best winners and real sensation at Chicago, Cincinnati, Louisville and Pittsburg. 20 pens. Send for mating list and special prices.  
**OLD HOMESTEAD FARM J. H. McDANELL R. R. 2 WARSAW, KY**



## Andrews' White Wyandottes

**Boston Winners Again, 1913**—In strongest competition ever known, first pen, second, fourth and fifth cock, second and third hen, second cockerel. Remember, I hold the world's record of winning at Boston every year for the past sixteen years. Six first pens in the last seven years. Three first cockerels in the last four years. Four second cockerels in the last four years. A few grand breeding males left that will do you good. Send for mating list showing winners. Eggs from finest matings ever bred, \$10 per fifteen, \$18 per thirty, \$25 per forty-five. Book early.

**J. W. ANDREWS, BOX A, DIGHTON, MASSACHUSETTS**

## RICH'S ROSE COMB REDS



### Iowa's Most Famous Strain, Bred Exclusively on one of the Largest and Best Equipped Poultry Plants in the State

For the past ten years they have won more valuable prizes, specials and trophies than any other mid-west strain. This year, at Iowa's two great shows, in fast company, the best that could be bought or bred, they won: **Des Moines**—1, 3 cock; 2, 3, 4 hen; 1, 3, 4 cockerel; 2, 4 pullet; 1 pen fowls; 3 pen chicks; Silver Cup. **Cedar Rapids**—1, 4 cock; 1, 4 hen; 1 pullet; 1 young pen.

#### EGGS THAT WILL HATCH

18

of America's best breeding yards of ROSE COMB REDS for the EGG trade this year; pens that I know are correctly bred to produce the very highest quality

18

#### BABY CHICKS THAT LIVE

We furnish the best high class chicks you ever bought. Our new 1913 MATING LIST and large illustrated catalogue free to A. P. J. readers—send for your copy today—just drop me a postal card and say you are interested in Rose Comb Reds and I will send it to you by return mail. When you want good Reds, EGGS or BABY CHICKS, write me. Give me a chance to help you. A part of my experience goes with every sale.

**D. W. RICH**

**513 Vine Street**

**MT. PLEASANT, IOWA**



# Eggs For Hatching

N. Y., May 7, 1912.

Mr. U. R. Fishel.

Dear Sir: I think that it is up to me to thank you for that setting of eggs that I got from you. My hatch came off last Friday and there was a chick in every egg. I got 13 chicks and the hen killed two of them. I would of had 15 chicks. I am more than pleased with my hatch. I would of been satisfied with 8 chicks. I have got the boys on the run here, some of them paid one dollar for one egg, some of them got one chick, some of them got two and some of them did not get any at all; they got the eggs from some of the best breeders in the country. I won't mention no names where they got them from. I want to thank you again for your honesty and when I buy again I will buy of U. R. Fishel. I beg to remain,

Yours truly,  
Herman L. Griewisch.

Ill., Jan. 18, 1912.

Mr. U. R. Fishel.

Dear Sir: From the setting of eggs I bought from you last spring I raised 8 chickens to maturity, 4 cockerels and 4 pullets. I showed some of these at a couple of local shows and never failed to win the blue. Two of the cockerels scored 94½, one of the pullets scored 95½, and none of them, none of the pullets, went below 94. This shows the good quality that you send out in eggs for hatching.

Now, Mr. Fishel, I would like to have you book me 13 eggs from your very best hens at \$1.00 each. As I would like to raise some next season that will stand competition at such shows as Peoria or Springfield. Because I believe you can deliver the goods. I will not want these eggs until some time in March. I would like to know if I shall send all the money now, or just 50%, and the balance when I want the eggs shipped; either way will suit me.

Your friend,  
Martin E. Johnson.

N. H., Dec. 29, 1912.

Mr. U. R. Fishel.

Dear Sir: What do you ask per setting for your best eggs this year? We had one setting of your eggs last year, hatched eleven chicks, raised nine, six pullets and three cockerels. We exhibited three cockerels at the local show, also four pullets. The birds were judged by I. K. Felch, of Natick, Mass. Cockerels scored 93½, 94½, 95, and pullets 92½, 92½, 94½ and 95½.

We shall want more eggs next March. Yours truly,  
John Currier.

## YARD EGGS.

Ala., March 19, 1912.

U. R. Fishel.

Dear Sir: Please send me your latest catalogue. The eggs you sent me arrived in fine shape, set them a day after under a hen, tested them today and every one is fertile. Thanking you for the attention given my order, beg to remain,

Yours truly,  
J. B. Paterson.

Texas, Oct. 10, 1912.

Mr. U. R. Fishel.

My Dear Sir: I write to tell you what success your chickens or that is chickens hatched from your sale stock eggs are having, or had, at our fair here this fall. They took 3 firsts and 3 seconds and 1 third. One of the early spring hatched cockerels took first over the rooster I bought from you for \$20, and had 5 others who missed beating him only because they were young and did not have the weight, etc., but give promise of being lots better birds. The judge told me I had several \$30 or \$40 birds. I beg to remain,

Very truly yours,  
C. A. DeWare.

## From Our Selected Matings, \$10.00 Per Fifteen From Our Sale Stock, \$10 Per 100; \$6 Per 50

Never were we in better position to give you the best of value in eggs for hatching or baby chicks than we are this season. You can have better success than our last season's customers as our matings are better by far than they were last season.

## U. R. FISHEL'S WHITE PLY. ROCKS "The Best in the World"

Bred in line for over twenty years and winners of the leading prizes at twenty-two largest shows and five international expositions.

Never were we in better position to take care of your order for selected breeders or utility flocks (egg machines) than we are at this time.

Send 25 cents for 64-page catalog, it tells all about our noted White Plymouth Rocks, without a doubt the most beautiful and profitable fowl bred today.

## U. R. FISHEL BOX A, HOPE, INDIANA

### BABY CHICKS

From Yard Eggs . . . \$1.50 each; \$25 per 100  
From Sale Stock Eggs, \$15 per 50; \$8 per 25

Beaver, Pa., Dec. 29, 1912.

Mr. U. R. Fishel.

Dear Sir: Out of the chicks you sent me last May I won first pullet and third cockerel in a class of eight at Beaver Valley Poultry Show.

Yours respt.,  
A. Clyde Wilson,  
Cal., March 31, 1911.

U. R. Fishel.

Dear Sir: I am glad to be able to tell you the White Rock eggs I bought of you tested almost 100% fertile and I had an exceptionally good hatch.

Mrs. E. E. Young.

Mich., May 22, 1911.

Dear Sir: I received the fifty eggs you sent me. They hatched the 20th, hatched 41 chickens. I consider that a good hatch.

Yours,  
James M. Morrison.

## SALE STOCK EGGS.

Ga., Jan. 28, 1913.

Mr. U. R. Fishel.

Dear Sir: I thought perhaps you would like to know how well I am pleased with my White Rocks. Out of the 50 eggs sent me I hatched 23, lost 3 first week, balance grew finely, culled to 13—4 cockerels, 9 pullets. Sold 2 cockerels at \$5, am using 2. Took first pen prize at the trio country fair held here Nov. 24, Loring Brown, judge. They were 7 months old Nov. 24. They commenced to lay Dec. 6, laid 64 eggs in Dec. Have one pullet that laid 20 eggs before she was 8 months old; pretty good, is it not? So you see I cannot help being well pleased, as utility stock is what I want.

Oh, yes, I did not try to fit the pen to show, just took them as they were running in yard, while the other White Rocks were washed and groomed. Yours for the "Best in the World."

G. E. Whitman,  
315 E. Magnolia Ave.

Cal., May 25, 1912.

U. R. Fishel.

Dear Sir: I thought I'd drop you a line to let you know how my hatch came off. From 127 fertile eggs I got 94 strong, lively chicks. I am more than pleased with the results. Thanking you again for your liberality, I am,

Yours very truly,  
Albert W. Gay.

O., Jan. 13, 1913.

Mr. U. R. Fishel.

Dear Sir: To begin with, must tell you of the excellent results of the 100 utility eggs secured from your place in April. Raised thirty-six chicks. Cockerels won 1st, 2nd at our home poultry show and the pullets are superior to anything shown here.

I am very respectfully,  
Mrs. A. I. Davey.

Beaver, Pa.

San Diego, Cal., July 29, 1912.

Mr. U. R. Fishel.

Dear Sir: I received the shipment of chicks from you today; eleven were in fine condition and one was dead. Considering the distance they traveled (7 days) I think the shipment was a great success. Thanking you,

I am yours truly,  
John Q. Symons,  
656 Main St.

Gregory, Mich., June 12, 1912.

U. R. Fishel.

Dear Sir: The chicks arrived last night all O. K., not a dead one in the bunch of 110. Very much pleased with them. Hope we may do some business another season. Many thanks.

Yours very truly,  
C. N. Bullis,

Thomasville, N. C., Sept. 2, 1912.

U. R. Fishel.

Dear Sir: From the hundred chicks we purchased from you Mar. 1st we have 3 cockerels for breeders, 30 capons and 45 pullets. The latter are laying now. Our capons, which underwent the operation six weeks ago, weigh 6, 6½, 6¾ lbs. to date and growing fine.

Very truly yours,  
H. W. Frichtel.

## BABY CHICKS.

Texarkana, Texas.

February 24th, 1913.

Mr. U. R. Fishel.

Dear Sir: I still have (fifteen) 15 of my (seventeen) 17 little chicks that you sent me. They are growing like weeds; they will be three weeks Friday, and they look like they might be five weeks old.

Yours respectfully,  
Mrs. Ira Johnston.



# Poultryman's Calendar

Conducted by  
Prince J. Woods, M. D.

## April to Mid-May.

Chicken time! Eggs should hatch well this spring. Try old-fashioned hen hatching, setting the broodies in lots of four, six or ten at one time. Set them in outdoor nests, having wire netting bottoms, so that the nesting material is practically on the ground. We believe you will be pleased with results.

Eggs are low in price, but fortunately grain sells at more reasonable prices than it has for several seasons. Good old fowls are rather scarce and the price is good, not as good as it ought to be, but better than it has been. Soon there will be abundant and cheaply produced greens to help cut down the cost of poultry living. Make all the money you can out of things as they are NOW. Time enough to worry about the future when you get to it.

This ought to be a good chick-growing season, and the cost of production should

not be as heavy as it has been the past two seasons. Selling prices for chickens ought to be as good or better than average seasons. The egg market is likely to remain uncertain for some time, and the price of eggs lower than normal. This condition may possibly be due in part to increased production, but it seems more probable that speculation and cheap newspaper notoriety are largely responsible. Recent sensational yarns about the "rotten egg business" haven't helped the consumption of eggs any.

While eggs are low in price, turn the eggs into chicks and then turn the chicks into money. Under good management this will give better returns. Hatch all the chicks you can rear comfortably and take the best of care of. Don't attempt to grow more than you can grow well.

Be careful in feeding corn products to small chicks. Sound corn is one of the best foods. Spoiled corn is one of the most dangerous foods. Don't feed stale

chick food. Don't feed chick food that is musty or that contains cracked grains that appear blueish or greenish in color. Such food is poison to chicks. Chick food should be fresh and it should be made of only sound sweet grains.

If you have difficulty in buying good chick food that you KNOW is all right, better get a small grinding mill and make your own chick food at home. You can make a good chick food by grinding together the following mixture:

Parts.

Sound, hard, old yellow corn.....	4
Sound, hard, whole wheat.....	3
Heavy, clipped, white oats.....	2
Sound, heavy barley.....	1
Mix by measure and grind to coarse chick food size. There will be a good many hulls and quite a little meal in the mixture. Feed it all in a food box or hopper or pan. Chicks will eat it greedily and it is all good for them.	

If in doubt about the corn and not sure

## Aldrich White Orpingtons The Strain of Quality

Do You Have In Your Yards The ALDRICH STRAIN OF QUALITY?



To prove to you the superior quality and the excellent blood lines of our strain, we call your attention to our winnings this season at Allentown, Atlanta, Baltimore, Augusta, Chicago and MADISON SQUARE GARDEN, winning 59 out of the 150 prizes offered in competition with 983 of the best birds shown by 153 exhibitors from 30 states, as well as the cream from Canada and England.

At the Great Allentown Show we won GRAND CHAMPION FUTURITY COCKEREL AND PULLET, proving that our matings of last year were correct and they are even better this year.

Our customers have won with birds raised from our eggs and from stock purchased from us, from the LAKES to the GULF, and from OCEAN to OCEAN. Our beautiful 64-page illustrated CATALOGUE gives you a complete list of our remarkable winnings of this year and last. It also describes in a vivid and accurate manner the stock we have for sale, as well as describing our 30 MATED PENS which we say, without fear of contradiction, are, taken as a whole, THE GREATEST LOT OF EXHIBITION AND BREED-

ING BIRDS on any one farm in the world today.

Eggs from these GREAT PENS are sold at \$5.00, \$10.00 and \$15.00 per setting of 15. A limited number of incubator eggs from our high grade SALE STOCK at \$15.00 and \$25.00 per hundred.

A limited number of HIGH GRADE PENS of EXHIBITION BREEDING BIRDS at \$50.00 and \$100.00 per pen. A number of HIGH GRADE UTILITY PENS at the unusually low price of \$20.00, and to every customer purchasing a pen of this quality we will send free a setting of our \$5.00 eggs.

Do not fail to send for our beautiful CATALOGUE with COLOR PLATES; it's FREE. We guarantee satisfaction in all cases, either in STOCK OR EGGS. MUCH MORE, RATHER THAN A LITTLE LESS, OUR MOTTO.

ALDRICH POULTRY FARM, R. F. D. 7, COLUMBUS, OHIO



that it is sound it can be left out of the food. Don't feed corn that has been heated, or that is acid and spoiled, or that is musty, mouldy or affected with green heart. You can't afford to take chances of killing chicks with spoiled corn, and this is the season of the year when there is a lot of spoiled corn on the market, corn that has not been properly cribbed and cured. Remember that there is nothing better than good corn and there is nothing worse than spoiled corn.

\* \* \*

Freshly cracked, hard, sound wheat is an excellent food for starting chicks. Good rolled oats go well with it. Cut clover makes fine brooder litter, and the chicks will eat a lot of it. Well-boiled rice is an excellent addition to the chick food ration. Sprouted oats, if not allowed to get musty or mouldy, are fine food for small chicks.

\* \* \*

Keep brooder chicks comfortable. Run the brooder by the chicks rather than by the thermometer. The thermometer won't indicate comfort, the actions of the chicks will prove the best guide. Better have too much heat under the hover than not enough. In any well constructed brooder the chicks can get away from the heat if there is more than they need, but you can't keep them comfortably warm when there is not heat enough.

\* \* \*

If you are rearing with hens you have less to worry about. A good mother hen will attend to the brooding if given a chance. All she needs is a comfortable coop, sufficient food and water for herself and brood, reasonable cleanliness, and a chance to do her work as nature intended she should.

\* \* \*

If you haven't read the book, "How to Raise Chicks," better get a copy and read it now. You need it if you want to get best results during this chick growing season. The price is only 75 cents, and it should save you as many dollars. Address Book Department, American Poultry Journal, 542 So. Dearborn street, Chicago, Ill.

\* \* \*

Start a garden for the home table and for the poultry. Now is the time and you will find it well worth while.

\* \* \*

At first it is a good plan to keep the mother hen confined and to let the chicks run. After they get big and strong enough to stand following mother's footsteps on long cross country junkets it is well enough to let mother and brood range at will, provided conditions permit it and the neighbors don't object. As a rule rather close confinement for the brood hen and quite liberal enclosed range for the brood of chicks is best.

\* \* \*

Don't keep brooder chicks confined IN the brooder too long. Much depends on the season and on the weather. In mild warm weather they can be taught to use an outdoor run of small size by the second day in the brooder. In cold or stormy weather they may have to be confined to the brooder for the first week. But be sure to get them OUT ON THE GROUND soon and teach them as early as possible to go in and out of the brooder as sensible chicks should.

\* \* \*

While chicks can generally get out on the bare ground several days earlier in mild weather than in cold weather, they learn more quickly to use the brooder as a warming up place when the weather is

cold. Start them with small runs at first and gradually increase the size of the runs as needed. Teach them to go into the brooder to get warm. Drive them in and tuck them under the hover when necessary. Don't let them huddle or crowd in sunny spots outside of hover.

\* \* \*

It is a good plan for you to remember, at this time, that old Dame Nature knows her business. She has been raising chicks for several thousand years. She has had no particularly dangerous competitor all through the ages and she is still right on the job and delivering the goods. When you want to learn the "know how" study Nature. Follow her teachings for

best results and try to use your common sense to make up for any handicap in conditions and environment you may find in your own particular case. Common sense and the power to observe, and know what you see and hear, are mighty necessary qualities in the "chicken business."

\* \* \*

CHICK COMFORT is the only secret of success in chick rearing. If they have an abundance and variety of wholesome food and are cared for in a common sense manner they will be comfortable. Any time they are not comfortable they will let you know it, provided you are at all observing. Study your chicks and let the chicks be your guide.

## "O.K." Poultry Litter

TRADE MARK

Is the most wonderful litter for LAYING HENS, BABY CHICKS and POULTRY of all kinds. It's cheaper to use and ever so much better than Straw, Clover, Alfalfa, Sawdust, Shavings or anything else ever thought of for litter. Everyone who tries it uses nothing else.

'O. K.'  
KEEPS  
THE

# BROODER

CLEAN  
DRY  
SWEET

### WITHOUT ONCE CLEANING OUT

Can you imagine the comfort, convenience and time saved running your brooders like this? Remember, one lot of "O. K." Litter lasts until the chicks have outgrown the brooder, without one cleaning out. IN COOPS, LAYING HOUSES, COLONY HOUSES and SCRATCHING PENS "O. K." Litter dries up the droppings so that the house is always dry, clean, sweet-smelling and sanitary, and needs cleaning out only once in 3 or 4 months. "O. K." Litter is a tremendous saver of time and money.

### WRITE TO-DAY FOR FREE SAMPLE.

"O. K." Litter will not burn. Lice will not come where it is used. TELL US HOW MANY HENS AND CHICKS YOU KEEP—WE WILL TELL YOU HOW MUCH "O. K." LITTER YOU NEED.

Write to-day for the free sample and printed matter. You need them.

**O. K. COMPANY**  
Dept. 173, 160 Pearl Street  
NEW YORK CITY



## House your hens comfortably -and get more eggs

Hens like a clean and dry house, and if you give them one they will repay you with increased egg production. A leaky roof keeps the whole house damp and dismal, causing roup and other ills. You are sure of having a warm, dry house, if you cover both roof and sides of your poultry house with

## Certain-teeed Roofing

in Rolls and Shingles

(Quality Cert-ified—Durability Guaran-teeed)

Guaranteed for 15 years



It costs less than metal, tin or wood shingles, lasts longer and costs less to put on.

Get a copy of our free book, "Modern Building Ideas and Plans"—it illustrates the latest ideas in poultry houses. A book of this kind would ordinarily sell for \$1, but as it shows the use of our **Certain-teeed Roofing**, we offer it to you at 25 cents.

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# Home and the Table

## Good Things for Everybody

Helen F. Woods  
Editor

There are hermit souls that live withdrawn  
In the peace of their self content;  
There are souls like stars that dwell apart,  
In a fellowless firmament;  
There are pioneer souls that blaze their paths  
Where highways never ran;  
But let me live by the side of the road  
And be a friend of man.

I see from my house by the side of the road,  
By the side of the highway of life,  
The men who press with the ardor of hope,  
The men who are faint with the strife.  
But I turn not away from their smiles nor their tears—  
Both parts of an infinite plan;  
Let me live in my house by the side of the road  
And be a friend to man.

I know there are brook-gladdened meadows ahead  
And mountains of wearisome height;  
That the road passes on through the long afternoon  
And stretches away to the night.  
But still I rejoice when the travelers rejoice,  
And weep with the strangers that moan,  
Nor live in my house by the side of the road  
Like a man that lives alone.

Let me live in my house by the side of the road  
Where the race of men go by—  
They are good, they are bad, they are weak, they are strong.  
Wise, foolish—and so am I.  
Then why should I sit in the scorner's seat  
Or hurl the cynic's ban?  
Let me live in my house by the side of the road  
And be a friend to man.

—Sam Walter Foss.

**E**VERY MAN IS more or less dependent upon his friends. While he may be shut off from their society there is yet an interchange of thought and appreciation which great distances or long absence may not affect. Castaways on desert islands through long months of loneliness have exerted the influence of friendship to brighten their loneliness, even though all communication with mankind was cut off. The dependency of one human being upon the friendship of another is well in the saying "That no man is hopeless while he has a friend."

It is inevitable that in the great majority of cases we expect too much of our friends, demanding more of them than we are willing to give in

exchange. We demand loyalty in the face of unjust criticisms. We accept kindnesses in word and deed from our friends in our hour of trouble and disappointment, and forget them in our time of rejoicing. With such an attitude the wonder is that we possess any friends since the foundation of friendship is in being friendly. Mutual confidence, and mutual regard for the rights, each of the other are as necessary in making friends as are sun and water to the plant. Since friendship is ever a two sided affair, it cannot long exist without mutual qualities for friendliness.

The value of true friendship is underestimated by the great majority of people. They do not enter into it suf-

ficiently to understand its worth. They inspire little or no confidence by their acts of insincerity and go through life neither giving nor receiving the priceless gift of true friendship.

We are all so dependent one upon another, not only in seasons of sorrow and trouble but even when the heart is most glad, that it would seem essential to happiness that we cultivate the regard and confidence of our fellow men. In this, as in all good things, the beginning of a friendship need be but a very small and unnoticeable act by he who preforms it. The receiver, if he possesses the qualities of true friendliness will from this small beginning cultivate a certain agreeableness and confidence in one whose friendship has been thus proffered.

There are those in every community who attract the regard and friendship of those about them and this without any apparent effort on their part. A mere attractiveness of person or manner cannot however do more than win friends for us. There must exist a certain strength of character and nobility of purpose back of any outward charm to hold through sunshine and storm the confidence of one's friends.

The art of fitting ourselves to the surroundings wherein we are placed, of making friends among those with whom our lot has been cast, is often times worth cultivating. We need not necessarily foster close relations with those who offend our sensibilities or those who, by their disregard of the rights of others, make life miserable for those about them. There are, however, people in every community, though they may not be what is commonly called cultured, yet they are possessed of those qualities of confidence and kindness which are so essential to true friendship.

# FOXHURST

## Champion Black Orpingtons

Win Five Firsts at Madison Square Garden, N. Y., World's Greatest Show

A CLEAN SWEEP—Thirty birds entered and twenty-two wore ribbons. This is the first time in the history of Black Orpington classes at the New York show that all the firsts have been won by one breeder. Our complete winnings are:

First and third cocks; first and fifth hens; first, third, fourth and fifth cockerels; first second, third and fifth pullets; first and fourth pens. \$25.00 for best display.

Every Champion bird in our exhibit was bred and raised on our farm, to which fact we will make affidavit. The competition was the keenest ever seen in the Garden. The Crystal Palace (London, England) winners were in competition, as well as America's and Canada's best. Birds that were personally selected in England and Canada to win this show were defeated by our American bred, Foxhurst Champion Strain Orpingtons who, in addition to our 1913 record win, have been the largest winners at New York for the past five years. This unprecedented win indelibly stamps our birds as the undisputed Champions of the World. For eggs from our Champions write to headquarters for 1913 mating list; eggs, remember, from the same matings that we use ourselves. Exhibition stock at reasonable prices on hand at all times. Breeders with same blood as our Champions at from \$5.00 to \$10.00. Satisfaction and safe delivery guaranteed. Write, mentioning American Poultry Journal.

**FOXHURST FARM Lime Rock, Conn.**





Human beings are strangely one like the other. Not one among us can be always right or always wrong, yet we constantly sit in judgment on the faults and frailties of our friends with as little feeling as if we were ourselves without fault. We cherish the unkind thought, we look for the evil rather than the good, and frequently mete out from our own hands the punishment. Have we done no wrong that we should stand unforgiving and determined as the accuser? It is so easy to blame another for a misdeed. It is so easy to believe that under similar circumstances we could not have made the mistakes that others are constantly making, but "alas for the rarity of christian charity," it is not broad enough or great enough to reach the misdeeds of others. It can only cover our own. Too many of us are competing against ourselves in an effort to belittle the work of others. No man or woman on the right road to success has time or energy to waste on the work of belittling their fellowmen. Human efficiency is not so plentiful that we can afford to so belittle ourselves. There are men and women everywhere that are almost down and out because of the work we are doing to put them there. They stand in great need of a little appreciation of their true worth. What right have we to "hurl the cynic's ban"? By what right do we "sit in the scorner's seat"? Alas too few of us have sufficient kindness of heart or charity to lend a helping hand where it is most needed.

#### CORN POPOVERS.

By A. S.

Scald one pint of milk, add an even tablespoonful of butter, sift in one heaping cup of corn meal, a quarter cup of white flour. Allow to cool and add three well beaten eggs. Bake in iron gem pans in a quick oven.

#### GRAHAM ROLLS.

By A. S.

Moisten one pint of graham flour, one teaspoon salt and a tablespoon of sugar with two thirds of a cup of ice water and beat hard until a stiff dough is formed. Then knead constantly for twenty minutes until the dough is fine grained and elastic to the touch. Roll out and form into finger shaped rolls, kneading each one, and place in a pan each a little apart from the other. Prick each roll with a fork and allow to bake in a hot oven.

#### SOUR CREAM PIE.

By A. S.

- 1 cup sour cream.
- $\frac{1}{2}$  cup seeded raisins.
- $\frac{1}{2}$  teaspoon cinnamon.
- 1 cup sugar.
- $\frac{1}{4}$  teaspoon cloves.
- 3 yolks eggs.
- 1 white egg.

Bake with one crust, using the whites of two eggs with two tablespoonfuls of sugar for the frosting, baking the pie first, and frosting after, replacing in the oven until the frosting is a nice brown.

#### CURRIED EGGS.

By H. A. L.

Three hard boiled eggs, two tablespoons butter, two tablespoons flour, one-fourth teaspoon salt, one-half teaspoon curry powder, little pepper, one cup hot milk. Melt the butter, add the flour and seasoning and gradually the hot milk. Cut the eggs lengthwise and re-heat in the sauce.

#### EGG OMELETTE.

By H. A. L.

Use five eggs, separating the whites from the yolks. Beat the whites to a stiff froth, adding a pinch of salt. To the yolks add three level teaspoons of finely rolled cracker crumbs, one third cup of milk, a little pepper and salt to season and mix thoroughly. Turn the yolk mixture into a hot buttered frying pan and spread the beaten whites lightly over the top. Cook until the under side is browned, roll, and serve immediately.

#### STEAMED EGGS.

By H. A. L.

Break half a dozen eggs into separate cups, having ready a well buttered

dish into which each egg should be placed carefully. Cover the dish to prevent heat from escaping and place over a pan of boiling water, first putting small bits of butter lightly over the top of the eggs. When sufficiently steamed, sprinkle lightly with salt and serve with hot buttered toast.

#### STUFFED EGGS.

By H. A. L.

Cut four large, hard-boiled eggs in half and take out the yolks and mix them with one-half cup of minced ham, a little pepper, salt and butter. Fill the whites with this mixture and press together. Place each egg on a square of toast and pour over them two cups of hot cream sauce.

## S. C. WHITE ORPINGTONS

Canada's Best. Second to none in the World. Winners at the leading Canadian shows, also Madison Square, N. Y., 1913. Matings the best I ever yarded. Stock for sale. Prices reasonable. Send for illustrated catalogue. Wm. Moore, Munroe St., Hamilton, Ont., Can.

## VASS ORPINGTONS AND SILVER CAMPINES


I can give you bargains in Buff, Black and White Orpingtons in single, pairs and pens. I have the best this season I ever owned and will assure you better value than ever before, and fair treatment in all cases. They have show records; Silver Campines, best English and American bred. We have birds in your yards from Capt. Max Debathe of England; also Kennedy and other leading strains. Birds are large, well marked and great laying strain of large, white eggs. You can not make any mistake in taking up this beautiful fowl. They are the rich man's hobby and poor man's friend. Am booking egg orders now. Write for prices; booklet free.

C. E. VASS

::

WASHINGTON, N. J.

# Kill the ROUP Germ



Stamp out this disease in your poultry yard. Roup germs lurk in the drinking water, nests, coops, everywhere they can find a breeding place. Stamp them out—use B-K. Just put a few drops of B-K, the powerful, non-poisonous, colorless germ destroyer in their drinking water. Sprinkle the nests, floors, roosts, coops with a dilution of this wonderful germicide and you will knock the Roup Quick. Try it at our expense.

**Sample Free** B-K is not only the best germicide but the cheapest to buy—the easiest to use. It is ten times as effective as clear carbolic acid, yet it is perfectly safe to handle and keep about the house. For Cholera, Gapes, White Diarrhoea, etc., it has no equal. B-K does not cause your hens to drink less or slack up laying. Send for FREE SAMPLE BOTTLE—try it without cost. The result will please you. Don't wait—send NOW while you can get B-K to try FREE.

**GENERAL PURIFICATION Co., 625 Pioneer Bldg., Madison, Wis.**

## Don't Feed Your Fowl Green Food

Succulenta Tablets dissolved in the bird's drinking water, are just as good, less expensive and much easier to handle. These tablets have been thoroughly tested by well-known poultry men in different sections before being placed on the market. Thousands are now using them with excellent results. We can furnish hundreds of testimonials.

A chemical analysis of green sprouted oats, heretofore considered the best source of green food for fowl, shows that it contains 90% water, and 10% dry substance or solids. You can get the water better and cheaper, and with less labor, from your

well or spigot. The only value of green sprouted oats, therefore, must rest in the 10% of dry substance.

An analysis of this, shows that it contains principally carbo-hydrates, fibre, and very little ash. Fibre you don't want. Our regular poultry rations already contain a large quantity of carbo-hydrates, from a cheaper and better source.

It is therefore, foolish, to grow green sprouted oats for water, fibre, and carbo-hydrates. Their value to your birds must be in the ash, or salts. Succulenta Tablets supply these salts in a cheaper and better form.

# Succulenta Tablets

Save Half the Cost



of feeding green foods. They are cheaper than cabbage at 2c a head, and green sprouted oats are far more expensive than cabbage. So, why bother with green foods at all when Succulenta Tablets are so handy, so cheap, and so much relished by all fowl in their drinking water. We have proved this to be true over and over again. Therefore Succulenta Tablets are sold on a money-back guarantee of satisfaction, which reads as follows:

"We positively guarantee Succulenta Tablets, when dissolved in drinking water of fowls, at the rate of one tablet in one quart of drinking water, to enable you to do away with

all green foods; and we hereby agree to cheerfully refund your money for any Succulenta Tablets you may buy, if the results are not entirely satisfactory."

100 mature fowl will drink from 12 to 14 quarts of water a day and will therefore consume from 12 to 14 Succulenta Tablets.

Succulenta Tablets are put up only in packages of the following sizes:

One can, 100 large tablets, \$0.50. One can, 250 large tablets, \$1.00. One can, 500 large tablets, \$1.75. Two cans, 1,000 large tablets, \$3.00. Ten cans, 5,000 large tablets, \$12.50.

Send for trial package today.

Remittances must accompany all orders, and can be made in cash, money order, or check. Postage stamps not accepted.

We prepay charges anywhere within the parcel post zones of the U. S. Order now.

**The Succulenta Company, Box 405-1, Newark, N. J.**  
WATCH YOUR LITTLE CHICKS GROW ON SUCCULENTA WATER



# Pittsburg Fanciers' Club Show

Fifteenth Annual Exhibit Held February 17 to 23,  
1913—The Season's Closing Show. *H. P. Schwab*

**T**RAVEL this country over and you will fail to find another lot of fanciers like the Pittsburgh Fanciers' Club. For fifteen years they have been holding their exhibits at the old City Hall, and during these years they have held shows and made a reputation that will live forever to their credit.

President G. Wash Moore, an old-time Game breeder, and Vice-President E. H. Seldon are among the oldest breeders and exhibitors still in active breeding life. They are of the younger set who many years ago made history at the great shows, and with the late John L. Cost made things hum. Everybody knows Joseph P. Hildorfer, of Minorca fame; F. L. Ober, the "Original" Red man, C. F. Porteous, J. M. Skiles, L. E. Vierheller and others of their stamp, who are sound and reliable men and breeders who have stood fast for all these years like one and have made possible this great show with its honorable record covering fifteen years of valuable service to the poultry industry in this country.

Mr. George C. Sutch, the secretary, while a very interested breeder, is best and favorably known for his labors in this association. He is a man of sterling worth, whose manner and care for every exhibitor's interests have endeared him to all. He has the unlimited confidence of all.

This season Pittsburgh has had three shows, but this or no condition can in any way interfere with the Fanciers' Club show, for this year their exhibit was larger and better than ever, and about a thousand entries had to be refused, as they have to limit them. Quality is the keynote of this show, as a reference to the exhibitors will show; there will be found the names of many breeders that assure quality to every class.

The judges this year were J. C. Punderford, F. G. Bean, John W. Poley and H. P. Schwab, with Mrs. James Wood and little George Ewald for pigeons. The classes were uniformly large and strong, with upwards of 2,500 birds shown. In Rocks, Wyandottes, Orpingtons, Leghorns, Minorcas, Campines, Anconas, Single and Rose Comb Reds, Houdans, etc., the competition was very strong and honors won carried the stamp of quality withal.

The attendance is a feature here, breeders coming from many states to see this show and to buy. Sales were reported from all classes, Mr. Robert J. Walden refusing to sell his first Barred Rock hen for a price almost the equal of any we have ever heard of, and Mr. J. S. Brady refusing an offer of \$300 for his winning White Orpington cockerel.

There were several little dinners by the breeders to a few friends, one by

Mr. Hildorfer, with Mr. Ewald as toastmaster by general request. Well, there are two positions that George can play with success; they are noodle soup and acting toastmaster. Mr. Suleto entertained the officers and judges; in fact, it was one round of good times and good things to eat, enjoyed by all.

## The Exhibitors and Winners.

Barred Rocks were a beauty class in size and quality—by far the best we have ever seen here, and with birds in wonderful condition. Mr. R. J. Walden, Middleburg, Md., made a phenomenal record, showing a class of birds that were a revelation to all. His winnings were: Cock, first; hens, first and third; cockerel, fourth; pullets, first and fifth; pullet bred cockerels, first, third and fourth; and several specials, including Sweepstake Special for best pullet in the show.

Mr. H. L. Fike, Meyersdale, Pa., won first pen; first pullet mating pen; cock, third; cockerel, second and fifth, and pullet, second. First exhibition pen a beauty.

Mr. C. F. Porteous, Wilkinsburg, Pa., won second and third pullet mating pen; hen, fourth, and pullet bred cockerel, second. This line is coming fast and we were glad to note their quality in sharp and straight barring. We hope to see more of them.

Miss Marie Hildorfer, 86 Chester avenue, N. S., Pittsburgh, won hen second and cockerel third. The hen was a bright beauty, evenly barred and of extra-fine size and form; third cockerel was one of the very best in form, and grandly barred, nice head, etc.—a valu-

# BRADY'S WHITE ORPINGTONS

At Pittsburgh, February 17th to 22nd, 1913, Win



First cockerel at the Pittsburgh show, 1912,  
and first cock at Pittsburgh, 1913.

1st cock; 1st, 4th, 5th hen; 1st, 2nd cockerel; 2nd, 3rd, 4th pullet and 1st pen. This is the **wind-up show of the year**, and the White Orpington class was **strong**, and I won a place on **every bird entered**, including **4 firsts**.

**FAR** Above the Average in Quality **FAR** Below the Average in Price

Kokomo, Ind., Feb. 10, 1913.

J. S. Brady: To make a long story short, there was no local show held here this winter, but I knew I had some good White Orpingtons from Brady's stock, so I had the nerve to enter them at the great INDIANA FANCIERS' SHOW held February 3d to 7th in INDIANAPOLIS. I WON FIRST PULLET and SECOND COCKEREL. Inasmuch as there were a large number shown in both cockerels and pullets, I think my success was really remarkable. NOW WHEN YOU CONSIDER THAT THIS WINNING WAS FROM ONE SETTING OF EGGS, AND SHOWN BY A MAN WHO WAS AS GREEN AT THE SHOW BUSINESS AS THE SHAM-ROCK OF IRELAND, I THINK IT ALMOST PHENOMENAL. I want to thank you for such good treatment and remain

Yours truly, W. W. COLES.

The above eggs were from my yard No. 1, and yards No. 1 and 2 for 1913 are headed by the same males as last year. Catalogue describing the matings sent free.

Eggs \$5, \$10 and \$15 for 15. Sent by Parcel Post prepaid

J. S. BRADY

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PARKERS LANDING, PENN.



able bird and only a mite passed his best.

First cockerel was won by Herman Schockey, Sand Patch, Pa., with a bird of even and beautiful surface color and extra under; he is a beauty in every section, stands well, and of excellent form. It was his general even quality that won for him.

In White Rocks and in a very large and strong class the honors were about even among several exhibitors. First pen, one of rare quality and well mated with a great cockerel was won by G. B. Hatton; second, a very close one, by W. T. Auerswald; first cock, a bird of great form and condition, to M. A. Milliron; first cockerel to Woodlawn Poultry Yards, while Mr. W. H. Knoch won first hen and pullet.

Buff Rocks were a beauty class well shown. First cock, an exceptionally fine bird in sound, even color and ideal form. One of the best seen this year. All awards went to Vierheller Bros., Pittsburgh.

A very nice class of Partridge Rocks completed this variety, with most of

the honors going to S. J. Childs, McKeesport, Pa.

In S. C. Reds a sensational class was seen, with the Schenley Heights Poultry Yards winning pen first, cock first, hen first, cockerel first, pullet first and second. The first cockerel also won the Sweepstake Special for best cockerel in the show. This line has made a great record this season, their charming quality placing them first at Philadelphia, Cleveland and Pittsburgh, winning at these three shows thirteen firsts of a possible fifteen, and at each of these three shows they won the special for best cockerel in the show—a win with greatest credit. Mr. Rankin, also at Pittsburgh, was awarded by the exhibitors present the special "Tomasso Canna" cup as a token of the special esteem in which he is held. Prof. F. L. Ober made the presentation.

Another excellent exhibitor in this class was Mr. E. S. Shelly, Williamsburg, Pa. He won hens second and fifth and pullets fourth and fifth. Mr. Shelly has been winning for years, here and elsewhere, and has the quality, we

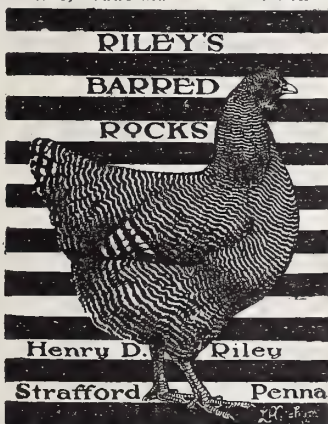
can comment. For evenness of quality, sound color and breeding value, his line is favorably known. Last year we visited his home and told our readers of his birds in a writeup. We were pleased to meet him here.

In R. C. Reds it was a close contest for honors between several breeders, and in several classes but a fraction of a point divided the winners. The F. L. Poultry Yards, Verona, Pa., owner by Herr Ober, won cock second, hens first and fifth, cockerels third and fifth, and pullet second. This line has won at the Palace, New York, and other shows this year and is one bred for years by a man who is a most interesting fancier. This F. L. line has this year been exhibited at New York, Cincinnati and McKeesport, where they have won nine firsts, six seconds, seven thirds, four fourths, two fifths, three silver cups for best displays, Gold Special for champion female at Cincinnati, and three shape specials.

The Ontario View Poultry Yards, Oneida, N. Y., won several pieces of silver and cock first and third, hens

# Riley's Barred Ply. Rocks

Riley Trade Mark of Perfection



Whenever you see the "Bars" think of Riley's Rocks—Barred of course

Lynchburg, Va., January 18, 1913.

Dear Sir:—

You remember that I wrote you some time ago, telling you about my win with one of your cockerels at Lynchburg, Va. This was a great win, as the class there was red hot, but since that time this cockerel has won a victory that places him among the few great cockerels of the season. I entered him at Charlotte, N. C. Show, January 10-14, where the National Meeting of the American Barred Plymouth Rock Club was held. This bird was not only an easy winner in the best class of Barred Rock cockerels ever seen in the South, but was champion male, and also won the Grand Championship Silver Cup, value \$100.00, for the best male in the show. I feel proud to own such a cockerel, but you should feel prouder of having bred such a bird.

Yours truly,  
(Signed) M. B. Hickson.

Lebanon, Kansas, January 27, 1913.

Dear Sir:—

You may be interested to hear further about the birds that I wrote you of last fall. I have an undefeated cockerel from your Yard No. 5. In the three shows in which I have shown him he has been an easy winner, and if his sire had much the best of him he certainly deserved all that he got. I have three other cockerels from Yards 5 and 6, and they are all fine birds. The breeder that breeds and puts out better quality than you do at present will demand a great business with the many breeders of our favorite breed. The cockerel I am heading my first pen with has that clean-cut blue bar and the shape that wins in the best of company. Wishing you the future success that you so richly deserve, I am,

Yours very truly,  
(Signed) W. H. WRIGHT.

No greater victory could have come to me than have been the victories of my customers throughout the country. It is the convincing proof that my eggs hatch winners, not alone for the smaller shows, but for such shows as Madison Square Garden, Boston, Chicago, Philadelphia, Guelph, Canada, Cleveland, etc. At every one of these shows, a bird hatched from my eggs was in the winning three. It is proof that I sell you my best and "Riley's Best" means the best that money can buy.

## If You Want to Breed a Winning Strain

There is no other line that will produce such results for you as the Riley Strain. My birds have carried off the leading prizes for me at every show where I have exhibited for the past ten years, and every mating that I have is rich in the blood of my Madison Square Garden winners. Every breeder who is anxious to carry off the highest honors at his next show should not fail to send for my illustrated mating list. I feel safe in saying that I can surely produce a winner for you. It is up to you.

**Henry D. Riley, Box B, Strafford, Chester Co., Penna.**

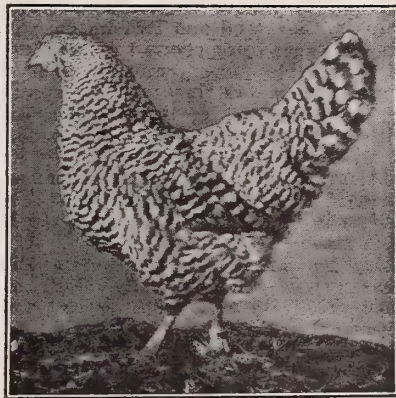


second and third, cockerel first and fourth, pullets first and fourth, and pens second and fifth. The winning cockerel was a bird of wonderful form and style, with a beauty head and sound color, extra wing; first cock, a corking good one, grand surface and under; first pullet, a hummer, well shown—a beauty display and a win of exceptional credit to any line.

In White Orpingtons special interest was had, for in every class birds of record and in wonderful condition were seen. In this great class, teeming with quality, Mr. J. S. Brady, Parkers Landing, Pa., made a record of surpassing value and a credit to his line. We were glad to see those birds here, and we are itching to visit his plant again and see his whole line, for the marks of progress are most evident in those shown and with which he won cock first, hens first, four and fifth, cockerels first and second, pullets second, third and fourth, and pen first. Every one of these deserves mention. The cock was a noble bird, well carried, with extra front and back, fine comb and eyes, and the best of color; first, a most attractive bird, well balanced and of splendid form and sound color—one of the very best seen out this year. First hen was a gem, with style and every quality. Mr. Brady's first pen was the climax of finished and superior mating and quality. The male was a rare bird and the females moulded in the one form of typical excellence. Such stock has the marks of triumph indelibly stamped, with which Mr. Brady has proven his worth as a breeder and the value of his line. This

pen was awarded the Sweepstake Special for best pen in the show.

Mr. L. O. Kettering, Pittsburgh, specialist of Black Orpingtons, was another to make a win of special worth, as follows: Cock, first; hen, first and second; cockerel, first; pullets, first; and pen first, with a classy lot. His winning cock also won the show Sweepstake



DOMINIQUE HEN.

Bred. owned and exhibited by A. Q. Carter, Freeport, Me. Winner of blue ribbons, Boston, 1909, 1910, 1911, 1912. Winner of blue ribbons, Mad. Sq., N. Y., 1911.

Special for best cock in the show—a bird of size, well carried, and with the best of form and sound color. First cockerel, a bird of best quality and great promise. His winning females

in both hens and pullets have class and won in beautiful condition:

White Wyandottes, a large class and of large merit. The winners, a rare lot and well shown; the winners in cocks and cockerels, very nice. Buffs also a beauty class, with sound color, fine heads, and extra good form. Columbians were out in full force, with many choice birds in line. Good surface and nice markings seen to advantage. Golden, Silver and Silver Penciled completed the class.

S. C. White Leghorns were one of the three largest classes in the show—a compliment to Judge Punderford, who made his first appearance here and worked as successfully as usual. Here and in every class were seen birds of the best in type and condition. Mr. W. J. Gowern, Jr., Canonsburg, Pa., showing but two hens in order not to conflict with some birds sold, won both first and second. He has won here for some years and has also supplied winners for others. At Canonsburg he won first pen for five years in succession, and this year at the Exposition Show won first pen in a class of twenty-five pens competing.

S. C. Buff Leghorns, a quality class with an extra large entry, all winners and very neat and sound. First cockerel was a wonder in color and condition, with extra fine head.

S. C. Brown Leghorns formed a large class well shown. Nice heads and fine condition were features. In both R. C. Brown and Buffs good size classes were shown, the Buffs showing good size and run of color.

**CARVER'S RED FARM, Seville, Ohio,**

**SEE AD ON NEXT TO LAST PAGE**

# FRENCH'S POULTRY MUSTARD

Patent Applied For

**ABSOLUTELY PURE**

**WE** SINCERELY regret being obliged to call your attention to the fact that certain unscrupulous supply houses, taking advantage of the demand that has been created for FRENCH'S POULTRY MUSTARD, have been substituting cheap and inferior Mustard products where the poultry fancier has only asked for "Poultry Mustard" or "Mustard for Chickens."

We have seen samples of some of these articles and they possess practically no value at all. FRENCH'S POULTRY MUSTARD is a scientifically manufactured article, containing the flours of different Mustard seeds, so blended as to produce the greatest strength in the volatile principle that is desired, and that is required to produce the fortunate results arrived at by Mr. Allen.

In asking for Mustard for this purpose, ask for FRENCH'S POULTRY MUSTARD. See that you GET French's Poultry Mustard. The name "FRENCH'S" will protect you and in the future French's Poultry Mustard will only be sold in original packages, under unbroken seal. Shipments in barrels and in 100-lb. packages will be shipped direct from the factory. All other packages will have our name and the seal unbroken.

Do not accept Bulk Mustard, and see that our label is unbroken.

Experiments were successfully made in England in 1909, 1910 and 1911 to stimulate egg production, increase vigor and fertility of fowls by the use of mustard. Send us your name and address and we will send you free of charge a copy of a pamphlet as edited by Mr. Ralph Allen, of Herts, England, the conductor of the experiments. The book contains a full account of the experiments extending over the years named, together with a number of testimonials of prominent American users of French's Poultry Mustard. The first issue of 20,000 copies was entirely exhausted within eight weeks of our first advertisement. The second issue is on the press, and contains added testimonials, and will be sent free on application.

French's Poultry Mustard is used and recommended by Edward Corning of the "Corning Egg Farm," Bound Brook, N. J., by "Corning himself," E. B. Thompson "Ringlets," Amenia, N. Y., The Urban Farms, Buffalo, N. Y., Grove Hill Poultry Yards, Waltham, Mass., Haldie Nicholson, Leominster, Mass., and by a great majority of the prominent breeders, and is sure to be used by all. The great egg farms use it regularly, pronouncing it invaluable.

**We are adding dealers daily. If your dealer does not handle it, send us his name.**

French's Poultry Mustard is an actual improvement upon the mustard used in England during these experiments. One teaspoonful of French's Poultry Mustard for every six fowls is the right amount. Mix it with the dry meal first and then add water until in a crumbly consistency. For Dry Mash use 1 pound French's Poultry Mustard to 200 to 500 pounds of feed

according to conditions and requirements of your stock. Mix with a small amount first then with the entire lot. French's Poultry Mustard can be obtained of any dealer for 20c per pound in 6 and 10-pound boxes, 25-pound kegs, or a sample package of 1½-pound can be had for 35c. If your dealer does not have it, write the R. T. French Co., mustard makers, Rochester, N. Y.

**"MUSTARD'S EFFICACY FOR INCREASED EGG PRODUCTION, FERTILITY AND STAMINA IS INDISPUTABLE"**  
**THE R. T. FRENCH CO., DEPT. A, ROCHESTER, N. Y.**



**S. C. Black Minorcas.**—It is seldom indeed that we see a class to match the one shown here. From first to last it was a hot one, with the birds seen in extra condition. The Hildorfer Black Minorca Farm, Saxonburg, Pa., winning cocks, first and second; hens, first and fourth; cockerels, first and third; pullets, first, third and fifth, and pens, first and second, making a clean-up sweep of it. Both the winning cocks were large and strong fellows, of proper carriage and ideal Minorcas in every line. The first hen was a sensational winner which also won the Champion Special for best hen in the show—a great female. First cockerel was a bird of wonderful style and true type, with a beautiful head. First pullet was a model in form and the best of color—fine head and great style. Both their winning pens were in a class by themselves, grandly mated and great winners. Manager Norman has done well to show a line of birds in such condition, and much credit is his due. This season also at the National Club Show this line won in a class of 199 birds. Cock, first and fifth; hen, second; cockerels, first and second; pullets, first and second; pen, fourth.

The Dark Cornish, while not an extra large class, was large enough to

show the quality to advantage. Mr. J. N. Hazlet, Marianna, Pa.; winning first cock, first hen, first cockerel and first pullet. This line has been a prominent winner for years and this season has won besides here, at New York and Boston.

The Mountain Orchard Farm, Bear-town, Pa., breeders of Houdans, Anconas, Lakenvelders and Buff Orpingtons, exhibited but a few of their classy birds here and won as follows: Houdans: Cock, second and fifth; hens, second and fifth; cockerels, first; pullet, second; Anconas: Cock, second and third; hens, first and second; cockerels, first and third; pullet, third; Lakenvelders: Cock, first; pullet, first; Buff Orpingtons: Hen, second; This line has had a very successful season and will be heard from in the future. Their plant is one of the largest and best in the world. They have the place and the stock and we will expect much of them in the future.

The B. B. Red Games shown by G. Wash Moore, made an exhibit the equal of which is seldom seen these days. Such games are of value and we hope to see more such classes.

A nice class of Black Leghorns was seen here, also some very fine S. S. Hamburgs. Campines were a fine class.

First cockerel and first pullet, two of the best we have seen.

In Bantams the display was large with all varieties seen, the Buff Cochins a Royal class, also the R. C. Blacks.

Pigeons, the largest display ever seen here, all varieties seen to advantage and the "Big Fellow" camping there with his own brother for added protection. There is enough in those two for a good sized family.

Turkeys, geese and ducks were out in force and filled the stage, as usual. The Runner and Pekin ducks, very fine.

The press fraternity was out in force here with W. G. Minich (Hamburg Bill) making his bow as a journal man with the Fancier. Think Frank will have to be good now, for "Bill" has some reputation. We wish him every success. Hewes and Crawford, of the Inland and Mrs. Frank Platt, of the R. P. J., Cavanaugh, of the Success, etc.

From every viewpoint this show was a pronounced success and of credit to the fancy. Others may come and go but this show with its years of valuable work and the history it has made will live to ever illustrate the real value of the fancy. It is a Fanciers show in name and in fact and its worth is felt far and near.

## BABY CHICKS—U. R. Fishel's White Plymouth Rocks the Best in the World

### RHODE ISLAND WHITES

A NEW FAVORITE WITH A REASON—At Chicago, December, 1912, in the largest and best class of R. C. Rhode Island Whites ever seen in any show room, McCarthy's Peerless Strain made a clean sweep, winning 1st cock; 1st hen; 1st pullet; 1st pen; \$25 cup for best display and \$15 cup for best shape R. I. White. As every prominent breeder, both East and West, had his birds entered at this show, it proves beyond a doubt that the Peerless Strain is the best in the world. Send for our illustrated catalogue and mating list and become acquainted with this grand new breed. **CARL D. MCCARTHY, Box Y, Kempton, Ind.**

**If Your Primary Object Is EGG PROFIT, Get Started RIGHT, and Right Away**

**Breeding PAPE'S Champion Strain SINGLE COMB BLACK MINORCAS**

They combine superior qualities, both as a show bird and utility fowl. Being non-setters, they will produce more satisfactory results and more eggs, with less resistance, than any other variety. Our "Pleasure and Profit" free catalogue contains list of winnings and what we consider attractive offers on stock and Eggs that will Hatch regardless of shipping distance. Get one of our male birds to improve your flock. State your requirements fully. We will assist you in getting started on a paying basis. All Stock Sold on Approval.



"We Hold Our Own" in Any Competition

**CHARLES G. PAPE Box B74 FORT WAYNE, IND.**

## SILVER CAMPINES GOLDEN

## The Champions of Them All

My winnings at Allentown, Hagerstown, Grand Central Palace, N. Y., Philadelphia, Boston, last but not least

### Madison Square Garden, 1913

in hot classes, as the entries show. I won four times as many firsts as all other breeders combined. Nuff said.

### Mating and Egg List Ready

**MANHATTAN FARMS**

**GEO. E. NOETH**  
Owner

**BRIGHTON, N. Y.**



## THE AMERICAN DOMINIQUE.

**T**HE very earliest settlers of America produced a fowl they called the "Dominicker" or Dominique. We do not know their exact origin. We find them referred to as prevalent in that district known as Bristol, Me., especially about the ancient settlement of Pemaquid, where even down to 1880 fine specimens of descendants of the originals were found. Also in Virginia we find where in 1895 they had been bred over one hundred years continuously on one plantation; and in the old Missouri settlements also, where there is still to be found good flocks of them. In an old history of Salem, Mass., they are spoken of as the prized fowl of the early days. Down to 1850 they were extensively bred,



DOMINIQUE COCK.

Bred, owned and exhibited by A. Q. Carter, Freeport, Me. Winner of blue ribbon at N. Y., Boston, Buffalo, etc.

but there was no real poultry fancy then as we now know it, and even to 1875, or a little later, a great many of the real old farms refused to displace them for some other breed, because of their proven productiveness. About 1850 interest was awakened in poultry generally by men of means, and in trying for new things crosses were resorted to, in one of which a Dominique was used, because of the known good qualities of the breed, with some larger bird, said to be a Java fowl,

and the result of this cross is the present-day Barred Plymouth Rock.

As a consequence of much striving for new varieties, the new breeds and those imported were talked and advertised extensively, and the old standards of our country were temporarily overlooked. Yet if one will but glance over the various accounts of productive poultry of the past one will not find a single adverse criticism of the genuine Dominique as a most productive fowl. Today ask such authorities as Messrs. Drevenstedt, Card, Ather-ton, DeLancey, Drs. Woods and Sanborn, Artist Sewell, and so on, and they will tell you that the genuine American Dominique is one of the few top-notch breeds for real usefulness.

If you ask why you have not heard more about them the answer is that the strict fancier, who shows and advertises, did not take them up, being satisfied with his income from the new-made and imported varieties. The very fact that the fanciers did not swallow them in a blessing in disguise, for we have them today in many localities true to their early breeding, and these hundreds of farmers would not consent to giving them up because of long years of proven ability to produce.

While looking over a pen of good old-fashioned Dominiques at the last Boston show a gentleman of three-score and fifteen years approached and said: "My mother and my grandmother, and I really don't know how far back, had Dominiques, and I also had them as a boy, and would have them now did I not live in the city."

"I am proud to meet you, sir, and won't you please tell me what you will about this breed of fowls?"

"Gladly, young man. I have always attended this show and have looked for Dominiques each year. I have seen some good specimens here, but not until this time have I seen a complete array of them throughout. Many in the past have shown too coarse bone, too much Barred Rock color and shape, too little tail, lacking in style, too heavy in type. I fear misguided ones have crossed with something else, but the Lord knows why they should! As a people we run to fads and fancies, young man, but experience levels and balances things in the end. It has been the same with cattle, and now we are finding out that some of the old-fashioned cows excel the much-touted

breeds as actual year-in and year-out producers."

"As you remember it, were the Dominiques kept quite extensively?"

"Bless you, yes. The neighbors all had them, or most all. Grandmother always insisted on seeing the new rooster—you know they swapped back and forth amongst the neighbors for new blood—and right up to the last year of her life she would have her say about the new rooster. We always had fresh eggs in winter, too, and the laid-down eggs were swapped with the peddler for goods or at the store, but they were sold for "laid-down eggs," not fresh. We always said the old Dominiques had Game blood in them, for they carried an abundance of rare flavor, and I recall my father saying he had rather have one for Thanksgiving than one of mother's turkeys."

"Were the Dominiques easy to raise?"

"Did you ever hear of a hen hatching out a batch of chicks in a hollow limb ten feet from the ground? Well, I must tell you we missed old Betty for days at a time, and finally I located her just two days before she came off with her brood. A big rotten limb had blown off the bitter-sweet tree in the old orchard and Betty had laid her clutch inside, with rotten wood for a nest. I wondered how she would get the chicks down, and mother set me to keep an eye on Betty and let her know when they hatched, but I missed the time and was completely dumfounded to see her on the ground under that limb with twelve chicks and she talking constantly to two others on the edge of the hole. I ran back to the house and got mother, and just as we got near enough to see one of those on the limb tumbled off and a little later, after much coaxing, down came the other, and Betty marched off with her brood all safe. Yes, they were rugged and great foragers; they would beat the old scratch for a bug, and friendly as could be, often picking at the brass toe-cap on my boot. They were about the color of a big hawk—gray—and would hide like a partridge. They made a handsome sight coming on the run at the call for supper—their wide tails up like a rudder, yellow legs flashing, red combs and wattles brilliant, the rooster's long tail feathers floating behind! A full grown rooster would weigh about six and one-half to seven pounds, no more, and a hen five to five and one-half, no more. They tell about double matings nowadays. Young man, I don't

**R. C. Caldwell** Ships Baby Chicks of Quality on short notice. See ad on page 653

## The World's Best Layers

Judging from recent tabulated records of all my yarded birds, I am convinced that my broad claims for

### Peerless Strain Exhibition White Leghorns

have been fully substantiated. Even matings 1 and 2, composed entirely of top-notch exhibition specimens, are laying better than my leading utility birds of former years. These two great yards are undoubtedly the strongest west of New York.

Watch for the "PEERLESS" pen at the Pacific Coast Laying Contest, Napa, California.

I can furnish you eggs that will do you a world of good, and if you want winners for Chicago, Boston, Philadelphia, Pittsburg, etc., write for special proposition on eggs from matings 1 to 5.

20 page mating list free. Fair treatment and satisfaction guaranteed. My prices are reasonable. Fifteen years with this one variety. Highest references furnished.

LEON C. HUNTINGTON

Box 12B

Omaha, Nebraska





believe in it at all. Our flock all looked alike at a little distance, the rooster being a shade or so lighter in color. Just a single mating, mind you!

"I've looked the breeds all over at this great show many years now, but if I had it all to do over again I would take the good old Dominique."

Misplaced awards at the shows have kept genuine Dominiques out of the show room, but they are coming in again because the American Dominique Club has been formed, and is going to see to it that Dominiques, not mongrels, win. Rose comb birds, barred up like Rocks, have won very often, under the judging of late years, because the Standard has been wrong in both picture and color clause. Some of the judges who know Dominiques were not misled, and placed awards right and we are pushing such judges on to our breeds in the show room. The day is passing when a Rose Comb Barred mongrel can win as a Dominique. The club is a member of the A. P. A. and the revision committee shows a fine spirit of co-operation. The next Standard will set us right.

A. Q. Carter,

Secretary-Treasurer National American Dominique Club.  
Freeport, Me.

#### BOURBON RED TURKEYS.

AFTER having decided to raise turkeys, the next question to be decided was the breed. The nearest neighbors on one side had White Hollands, and several other neighbors had undersized Bronze turkeys. After reading a number of articles on the subject,

the Bourbon Red was chosen as best suited to our needs. Our farm was small and poorly fenced, which made it necessary to choose a breed that would not wander far from home.

Forty eggs at thirty cents each were secured from a Northern Indiana breeder,



PENELOPE.

Rose Comb Brown Leghorn pullet, winner of first and all silver specials for best Brown Leghorn in large show. Owned and bred by W. W. Kulps, Pottstown, Pa.

who had won first prize on his Bourbon Reds at a poultry show the previous winter. After a journey of eighty-six miles the eggs were kept ten days before enough broody hens were secured to cover them. Two eggs proved to be infertile

and one got broken during the period of incubation, but the remaining thirty-seven each hatched out a healthy poult about the middle of June. These were given to three Rose Comb Brown Leghorn hens to brood.

The hardiness of this breed was proven to our satisfaction when the poult were about four weeks old. On reaching home a half hour after a drenching rain we found the turkeys apparently dead from drowning. Seeing that one or two still showed signs of life they were all hastily gathered up in baskets, covered them with dry woolen blankets, and put them near a hot stove. Within a short time the blankets were steaming and an occasional contented peep was heard. When the blankets ceased steaming every poult was found to be dry and happy, which was, indeed, a surprise, as the most of them had been picked up as dead. Not one died from the effects of this exposure.

Hawks got several of the young turkeys, the Leghorn hens being unable to protect them as a turkey hen would. When the turkeys were about half grown four were found dead under a box which had fallen on them when they sought shelter behind it from a severe wind and rain storm. Several more were lost from the effects of new corn, which was fed liberally as soon as husked.

In spite of these expensive losses \$26.47 worth were sold to a local meat market after selecting three of the best hens for breeders and one to eat. An account of the expense of raising these turkeys was kept and at the close of the year we had as clear profit the three hens we kept for

**CARVER'S RED FARM, SEVILLE, OHIO, See Ad On Next To Last Page**

# WHITE ORPINGTONS

## Superb Type and Superior Quality

MY FIRST SHOW, 1912  
TEXAS STATE FAIR

1st, 2d and 4th Cock  
1st, 2d and 5th Hen  
1st, 2d and 3d Cockerel  
1st, 2d, 3d and 4th Pullet

Won at St. Louis, 4 Cock; 2 Cockerel; 1, 2, 4 Hen; 1, 4 Pullet; 1 Pen; and Several Specials.

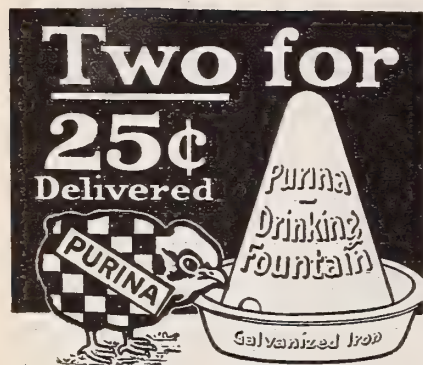
My birds are absolutely white, of that deep-bodied type, low down on legs, up to weight, and I know that I can please you.

The last time I showed at Madison Square Garden, 1911, I

again controlled the winning male birds. My winnings include first cock, third hen, fifth pen and the cockerel heading the first pen. The winning cock is, without doubt, the greatest White Orpington in the world, having defeated the Crystal Palace champion and all the great cocks of America. These great birds, together with my other prize winners, place Russell Cave White Orpingtons far in the lead. Both in Allentown and Augusta, two shows I made last year, I won at each the cup to that exhibitor whose ten or more birds of one variety showed the highest degree of excellence and uniformity of type and breeding. This record of winning in two of the most important poultry shows in this country the cup for the ten best birds has never been equaled by any breeder in America. **Great Stamina and Vigor** are to be found in my birds, not usually found in White Orpingtons. I attribute this to strong foundation breeding stock, our pure air and the blue grass range, 100 acres in Russell Cave Poultry Yards, and 8,000 acres in Elmendorf Farm. We still have a few more cockerels, pullets and hens at bargain prices. Eggs from the greatest of all matings, \$5, \$10 and \$20. **Duroc-Jersey Swine for sale.**

**Russell Cave Poultry Yards** Elmendorf Stock Farm  
Louis Lee Haggin, Prop. **R. 3, Box 1025, Lexington, Ky.**





**Usual price 25c each**  
but we offer *two* galvanized  
iron drinking fountains for  
25c as a special inducement  
to get you acquainted with

## PURINA CHICKEN CHOWDER

—a dry mash composed of alfalfa, corn meal, bran, middlings, granulated meat, linseed meal and charcoal, the great egg mash and

### GROWING FEED

for baby chicks. Purina Chicken Chowder produces tender and plump broilers at an early age and advances the egg laying period from 2 to 5 weeks.

Col. Purina says: "If Chicken Chowder won't make your hens lay, they must be roosters." Chicken Chowder makes fertile eggs for hatching and early broilers that bring fancy prices.

Clip Col. Purina's head from a bag of Purina Chicken Chowder and send it to us, with 25c, and we'll ship you the *two* serviceable, 25c galvanized iron, chick drinking fountains delivered by parcels post.



Purina Poultry Feeds are sold by the leading dealers and grocers. If your grocer cannot supply you, ask him to order a supply including Purina Chicken Chowder from his jobber.

### Poultry book free!



For your dealer's name I will send you this 48-page Poultry Book, containing plans of houses, breeding and feeding charts, space for daily egg records, cures of diseases, etc., and full instructions on how to successfully raise baby chicks. Write today.

**Col. Purina, Purina Mills,**  
801 South Eighth St., St. Louis

breeders and enough money to buy a tom from a noted breeder.

After three years of close culling and introducing new blood each year we are beginning the fourth season with a flock of large, healthy rich-colored Bourbon Reds, and have had no desire to change to any other breed of turkeys.

The best feeds for young turkeys are hard-boiled eggs, sour milk curds, steel-cut or rolled oats and boiled rice. Broken rice can be bought quite cheap, and it is claimed to be a preventative of bowel trouble. After the poults are two or three weeks of age they require very little food other than what they pick up on range unless the day be stormy, when they will remain near the farm buildings. The one food to be avoided for both young and old turkeys is corn. We feed

breeds and varieties of chickens, ducks, geese, guineas, etc.

#### CLASS B—COMMERCIAL EGG CLASS.

Open to any one not a student of the university; for the farmers and commercial egg producers especially.

Awards to be given to the highest scoring table eggs.

#### CLASS C—STUDENTS'.

Open to the students of Purdue University only.

(1) Freshmen in Animal Husbandry 16 only.

(2) For those who are members of any class or school outside of Animal Husbandry 16.

(3) For the co-eds of the university.

#### CLASS D—FACULTY.

Open to members of the faculty of the university only.



A trio of typical Barred Plymouth Rocks, as bred by W. D. Holterman, Ft. Wayne, Ind.

very little corn to our turkeys and only very sound dry corn at that. Turkeys should not be overfed at any age.

Otsego, Mich. Ella B. McNutt.

#### THE PURDUE EGG SHOW.

**T**HE fifth annual egg show at Purdue will be held the 7th, 8th and 9th of May, in the Agricultural building of the university. The show is under the management of the freshman class and is in the interests of more and better eggs.

Poultry associations and prominent breeders throughout the state are offering many valuable prizes, while the show committee offers sweepstakes, first, second and third ribbons. There will be no entry fee and all that is necessary to exhibit a dozen eggs is to write for a premium list with instructions for selecting eggs for show purposes, fill out the enclosed entry blank and send it to the show secretary. All judging will be done with score cards and will be solely in the hands of a prominent judge.

The exhibits will be divided into classes as follows:

#### CLASS A—GENERAL OR FANCIERS'.

Open to any one not a member of Purdue University, and for farmers and fanciers especially.

Awards to be given under this class for the highest scoring eggs of each of the

Awards under classes C and D to be given on the same basis as those under class A.

A number of the most prominent poultry and farm magazines have agreed to publish a full list of the awards after the show. All score cards will be returned to the exhibitor so that he may know just how his eggs were scored or cut, and eggs will be returned if desired, though the show committee guarantees that absolutely no egg shown will be used or sold for hatching purposes.

### Crown Bone Cutter

**FEED** your hens cut green bone and get more eggs. With a **Crown Bone Cutter** you can cut up all scrap bones easily and quickly, and without any trouble, and have out bone fresh every day for your poultry. Send at once for free catalogue.

**WILSON BROS., Box 801, Easton, Pa.**

**Best Made—Lowest in Price**

### WOULD YOU

Show this wholly visible typewriter to your friends and let them see wherein it excels any \$100 Typewriter made, if we would send one to you **Free of One Cent of Cost** for you to keep forever as your own? Then on a postal card, or in a letter to us, simply say: Mail particulars.

**EMERSON TYPEWRITER CO., Box 1186 Woodstock, Ill.**



### ARNOLD ASKS FAIR PLAY FOR GOLDEN CAMPINES.

Aug. D. Arnold, Dillsburg, Pa.

IN the January number of the American Poultry Journal we notice an article written by Dr. J. H. Prudhomme that creates a false impression regarding those who judged the Golden Campines at the fall and winter shows, and also is unfair to the breeders and the breed. In the article in question he claims that judges should have disqualified all Golden males that showed red saddle hangers on backs, or in other words, red backs, and he claims the English Standard, by which all Campines are to be judged at this season's fall and winter shows, demands this. However, the Doctor is wrong in this, as the English Standard does not ask this either in Silver or Golden, so the

judges were right in giving the red-backed males prizes in absence of clean or hen-feathered backs.

If the Doctor's article would have appeared later we would have thought he got his ideas from the proposed Standard that was submitted to the members at the late club meeting at Madison Square Garden. This Standard had two disqualifying clauses that when applied to the Golden Campine males were simply an outrage. We refer to the disqualifications as refers to the backs of males: first, "two or more reddish bay saddle hangers on the back of a male;" second, "black or reddish bay bars of equal width on backs of males," to disqualify.

To show how ridiculous and unfair this would be when applied to the Golden, we will give a few facts as to the standing of the Golden Campines as found today in Belgium, England and America. A

little over a year ago the first Golden Campine was shown at the Crystal Palace show in England, and at that time the first hen-backed or hen-feathered male ever seen in Belgium, England or America was shown at the Palace and afterwards this bird came to America and staid here, and for which fact all Campine breeders shall be duly thankful. Eight or ten years ago the first hen-feathered male in Silvers made its appearance in Belgium and was put into the hands of English breeders, and in all this time England and America have been breeding for clean-backed males, yet at this time in all strains, including the "Improved Strains," will give us a goodly percentage of white-backed males. And we might state right here, judging from reports we find in the Feathered World (England) that the first prize Silver cockerel at the late Palace Show had

# E. B. Thompson's Imperial Ringle Barred Plymouth Rocks

Win the most wonderful record beyond all precedent in Barred Rock history at the imperial and most classic show of all America---Madison Square Garden, New York---this winter of 1913. Winnings as follows:

First prize, second, sixth and eighth on cockerels.

First prize and sixth on pullets.

First, second and fifth on exhibition pens.

First on cockerel mated pen.

Second, third, fourth and fifth on cocks.

The imperial prize of the show, sweepstakes special for champion male.

Sweepstakes special for champion female.

Diploma presented by the American Poultry Association for best cockerel.

Sweepstakes cup for best Plymouth Rock hatched in 1912, male or female, any variety.

Challenge silver cup for best exhibition pen.

Special best shaped male.

Special best colored male.

Special best colored female.

Best cock, cockerel, hen and pullet. Four best cockerels. Four best pullets. \$25 special prize presented by the New York Show for finest display. All silver cups and cash specials. Four times

as many first prizes as any competitor. More first prizes than all competitors combined. More first, regular and special prizes than won by any exhibitor of any breed.

My exhibit of 56 birds was the best the world has ever seen. No other Barred Rock breeder has ever produced or is producing such matchless quality. Every feather in my exhibit was bred on my farm. My first prize champion cockerel and first prize champion pullet are years ahead of their time—they are the product of the highest skill.

No other Barred Rock breeder has ever accomplished the unprecedented achievement of winning the two greatest prizes in the world—sweepstakes champion male and sweepstakes champion female—at one show in Madison Square Garden.



"Ringle" First Prize Cock at Madison Square Garden, New York, 1910-1911

SEE MY OTHER  
ADVERTISEMENTS

E. B. Thompson

Lock Box 510

Amenia, New York



white hangers on his back, yet he won first prize in England's largest show.

Today we doubt if there are ten Golden Campine males in the world that really have clean hen-feathered backs, and we might cut that number in two. We just received a letter from a prominent breeder in England who claims first Palace Golden had a few suspicious feathers on his back, so taking into consideration these facts how very unfair it would be to at least for five years more impose such a Standard as the proposed one was, and we are glad to state that when it was submitted to the members at the late club meeting it was not accepted, and even those members who own about all the hen-feathered males in Golden would not hear to such unfair treatment.

As we were writing this article we received a telegram from the president of the Campine Club that we were a member of the revision committee, so we believe no one need fear that does not now own a hen-feathered male in Golden Campines, but let all select the best males you have and those that come nearest to clean backs, for there will not be enough

of these valuable hen-feathered males to go around for some years to come.

We do not wish it to be understood that we are in favor of a loose Standard for Golden Campines; we are in favor at this time to have as strict a Standard for Golden as for Silvers, but will stand for no such disqualifications as referred to in the article. After all it is true that the disqualifying clauses which appear in the Standard from time to time are the greatest nonsense we find in it, and it is a fact that almost all fanciers and judges think the same way as we do. Yet in some way or other they creep in any time. Cut strong for defects, but do not disqualify.

Now a word as to the Golden Campines. Think of it, only one year towards hen-feathered males and what a wonderful lot of birds at the late New York show. Give them as much time as the Silvers have had and see what we shall have. At the late Dairy (England's largest fall show) a Golden Campine pullet won special for best Campine in the show in competition with the Silvers. All who have a fine flock of Golden Campines this season have

a gold mine. We have bred them for over a year and find them the equals of the Silvers in every respect, and for hardiness they lead them. Give them a half chance and they will make good.

#### POULTRY BREEDERS' COLONY.

**R**EALIZING the value of co-operation among the poultry breeders, as well as other classes of producers, a movement is on foot to establish in one of the most favorable localities of the South a colony where none but breeders of pure-bred stock shall be raised. A number of poultry people from all over the country have been considering the matter and have expressed the opinion that the movement will be a success.

According to the plans formulated at the present time it is the idea to secure a large tract of land, subdivide it into 20, 40 or 80-acre tracts, to be used as homes for none but poultry people. In this way it is intended to establish a colony where by co-operation more can be accomplished than in any other way. It is believed that where so many combine as is possi-

## E. B. Thompson's Imperial "Ringlet" Barred Plymouth Rocks

This new 1913 championship record on opposite page is the most notable of all the thrilling achievements at Madison Square Garden for which E. B. Thompson's Imperial "Ringlets" are famed. This amazing record transcends all that have gone before it and makes my unequalled record for 25 years at Madison Square Garden all the more remarkable.

Furthermore—The "Ringlets," exhibited by me personally, have won at New York a grand total of 29 first prizes—more than double the number ever won by any competitor. No other Barred Rock breeder in the world has ever won more than 13 first prizes in the entire history of the New York show—**Mark the difference.**

The "Ringlets" have won every silver cup and trophy that has ever been offered at New York to be won three times—among them are the **\$100 challenge trophy and \$100 association cups.**

### If You Want To Win and Breed Winners

You must have my Imperial "Ringlets." It will be to your best interests to have my grand birds and eggs as a foundation and to improve your stock. The rich results of my more than 30 years as a Barred Rock breeder may be yours. My long experience has produced thousands of prize winners for myself and customers. I will help you to the best of my ability, rest assured of this.

Elegant breeding and exhibition cocks, cockerels, hens and pullets of the richest first prize New York blood for sale in any number. Show birds fit to win in any competition in any show.

Richly illustrated 70-page catalogue mailed upon request, it is full of original pictures of New York winners from life.

**Eggs** From the finest exhibition matings in the world, \$10.00 per setting; four settings, \$35.00; one hundred eggs, \$60.00.

SEE MY OTHER AD. ON  
BACK COVER PAGE

*E. B. Thompson*

Lock Box 510  
**Amenia, New York**



"Ringlet" First Prize Cockerel and Champion Male at Madison Square Garden, New York, 1910-1911.



ble in this case it will be possible to obtain lands at wholesale prices, as it were, and thus benefit every one who joins in the movement.

It is a well-known fact that by co-operating many advantages can be gained that are not possible where attempted singly. For instance, such a colony as proposed would be able to obtain wholesale rates on every article necessary to be purchased, while they would also be able to fix prices in a certain way that would be better than each one could hope to obtain as an individual.

Suppose a certain percentage of the poultry breeders decided to produce eggs for the trade. Because of their co-operation it would be possible to make contracts to better advantage. If the breeders decided to make their colony the headquarters for the production of the best strains the possibility would be greater because of co-operation of their fellow members.

There are, speaking generally, about 60,000 breeders of poultry in the country, all scattered. Such a colony as proposed would give homes to from 1,500 to

2,500. These 2,500, with the backing of their co-operators, would be able to do more for themselves than the whole of the others. Their profits would be larger, because their operating expenses would be lower.

At the present time it appears that about 2,000 breeders altogether who have heard of the movement would become members of such a co-operative company. Imagine a tract of 2,000 40-acre farms, every one of which was devoted to the breeding of fine poultry. Would it not become immediately upon its establishment the center of the poultry world of the country?

It is believed by those who are interested in the movement that lands can be obtained now at lower prices than will be the case in a very short time. It is also believed that arrangements can be made whereby these farms can be paid for by installments, and that arrangements can also be made whereby each member can build his house on the installment plan.

At a meeting recently held Mr. L. Loys, of 1438 Pine street, New Orleans, La., was appointed secretary, and if any

one wants further information on this subject it is suggested that he be asked to furnish it.

#### NOT A CANDIDATE.

Despite the fact that I was not a candidate and did not send out even a postal and had not asked a single member of the Association to vote for me as a member of the Executive Board of the American Poultry Association, I received nearly 500 votes on the nominating ballot. I wish to thank my friends for this expression of confidence. I have served three years and tried to stand for what I thought was right. I have not been a candidate because I had any fear of being defeated, but because my own work is crowding me for time and I want others to share the honors and responsibilities of the Association. I am greatly interested in its welfare, and hope the policy of those who will be selected for positions will be broad-minded and progressive for it is the duty of this Association to foster all

## E. B. Thompson's Imperial Ringlet Barred Plymouth Rocks



First Prize Cockerel and Champion Male and First Prize Pullet and Champion Female at Madison Square Garden, New York, 1913

Mr. E. B. Thompson:

Dear Sir:—From the Imperial "Ringlet" eggs ordered from you last Spring I have 23 of the most healthy and well marked birds, both in shape and barring that I ever had the pleasure to lay my eyes upon. Out of the 23 birds I have exhibited 13 with the following results:

At our Williamsport show in competition with 240 Barred Rocks, I won first cockerel on two entries. At Hughesville, Pa., showing 13 birds, I won 1st, 2d and 4th on cockerels, three entries; 1st, 2d and 3d on pullets, three entries; 1st pullet bred cockerel, one entry; 1st, 2d, 3d, 4th and 5th on cockerel bred pullets, six entries.

I have sold three of the cockerels at \$25 each and have refused \$150 spot cash for my first prize Williamsport cockerel, and \$50 for the other cockerel; I also refused a very flattering offer at Hughesville for my complete line of pullets. I must acknowledge the Imperial "Ringlet" strain is positively the best I can get. You may depend on me for a very substantial order very soon.

Yours truly,

C. E. Liebensberger.

Elegant cocks, cockerels, hens and pullets of the richest New York first prize champion blood for sale and mated to produce prize winners. I will take a warm personal interest in your success.

My "Ringlets" are wonderful layers of fine eggs as well as win the blue.

Richly illustrated 70-page catalogue upon request. It is full of illustrations of New York winners from life.

EGGS from the finest exhibition matings in all the world, \$10 per setting; four settings for \$35. One hundred eggs, \$60.

SEE MY OTHER  
ADS.

E. B. Thompson

Lock Box 510  
Amenia, New York

### The Finest Birds in All America Are Here on My Farm Today THOUSANDS IN NUMBER

The reason for my unprecedented winning at the last 1913 Madison Square Garden, New York, Show is very evident on my farm on all sides. See pages 713 and 714 for this wonderful record.

Emerson said:—"If a man can write a better book or make a better mouse trap than his neighbor, though he build his house in the woods the world will make a beaten path to his door." The path to my farm is well trodden by prominent breeders.

I invite you to come and see my Imperial "Ringlets" at home—on their native ground. A visit here will be a revelation in the science of Barred Rock breeding; you will see buildings full of the rarest of exhibition birds, and breeders full of New York First Prize blood, grand in size and shape, great length and breadth of backs and bodies, with tails carried right; splendid heads and clear blue color, with narrow, sharp, clean-cut vivid barring to the skin. You will see my wonderful matings that will produce the champion first prize winners for next winters shows. I now have on my farm five times as many first prize Madison Square Garden males as any breeder in America.

### I Will Sell You Eggs from the Finest Matings in All the World

There Is No Strain or Line That Can Win in competition with My Best Imperial "Ringlets"

Williamsport, Pa., Dec. 31, 1912.



# 100,000 CHICKS

FOR APRIL AND MAY DELIVERY

FROM THE  
**QUALITY  
HATCHERY**



One of the largest and the most scientifically equipped plants in the country—the only large hatchery that breeds and exhibits fancy stock as well as utility grade. A hatch each Tuesday—safe delivery guaranteed. Order direct from this ad or send for catalog containing prices of all grades.

	Per 25	Per 50	Per 100	Per 500
S. C. White Leghorns.....	\$3.00	\$5.50	\$10.00	\$45.00
S. C. Brown Leghorns.....	3.00	5.50	10.00	45.00
S. C. Buff Leghorns.....	3.00	5.50	10.00	45.00
Barred Rocks.....	3.00	5.50	10.00	45.00
White Rocks.....	3.50	6.50	12.50	60.00
S. C. R. I. Reds.....	3.50	6.50	12.50	55.00
R. C. R. I. Reds.....	3.50	6.50	12.50	55.00
White Orpingtons.....	4.50	8.00	15.00	70.00
Buff Orpingtons.....	4.50	8.00	15.00	70.00

**BRED RIGHT  
HATCHED RIGHT  
SHIPPED RIGHT  
SHOW STRAINS  
BRED FOR HEAVY LAYING  
QUALITIES—SATISFACTION  
OR MONEY BACK**

THE CO-OPERATIVE BREEDING & HATCHING CO. : BOX A, TIRO, OHIO

## Owen Farms OF COURSE!

(An Advertisement written principally by Customers who bought Eggs of us last season.)

"Milwaukee, Jan. 8:—I got 10 white Rock eggs from you last April and hatched 5. Showed these at ..... taking 1 and 2 cockerel."

"Röselle, N. J., Dec. 15:—From the White Wyandotte eggs I raised a grand cockerel. I showed in ..... and got 1st."

"Des Moines, Ia., Jan. 4:—You may be interested to know that on S. C. Reds from your eggs I won at ..... 1 and 5 cockerel, 3 pullet."

"Ewing, Ill., Dec. 21:—I write you of my winnings, as I won everywhere I went. One pullet scored 96¼; none under 92%. Showed 5 of the 7 Buff Orps. hatched from your eggs."

"....., Ky., Sept. 18:—Am just home from ..... State Fair, where I won 1 and 2 on White Orp. cockerels, 1, 2, 3 and 5 pullets. All from Owen Farms eggs."

### White, Buff and Black Orpingtons. White Rocks, White Wyandottes and S. C. Reds

By April 5 we are confident we can make prompt shipment of EGGS in all our varieties. You can order direct from this advertisement and save time.

**\$1 per Egg. \$40 per 50. \$75 per 100.**

from the grandest pens we ever mated and containing more Prize Winners than were ever owned by any one farm. From other pens (absolutely grand birds), \$5 per 15; \$30 per 100.

Remember the best hatches and the finest birds of the year are brought off in April and May.

**STOCK:** We are ready to ship promptly the grandest value ever given in trios at \$15 and upwards and cockerels at \$5 and upwards, fit to give immediate results and guaranteed to please.

**SEND YOUR ORDER NOW -- TODAY -- Catalogue and Mating List Free.**

## OWEN FARMS

WM. BARRY OWEN, Proprietor  
107 William Street

MAURICE F. DELANO, Manager  
Vineyard Haven, Mass.

branches of the industry. If I have the opportunity before my term expires, I expect to vote to open the Executive Board meetings to all members, and hope that the time will come when this is done. In my opinion, the next few years is certain to be a most critical time in the history of the Association. We need big men to safely and wisely mould the destiny of a big association and a big industry.

Thanking my friends throughout this country for the honors conferred upon me, I shall now be content to work as a private in the ranks of the Association, and do what I can in my feeble way to benefit the industry in Missouri and elsewhere.

T. E. Quisenberry.  
Mt. Grove, Mo.

### DESTROYED BY FIRE.

On the 28th of January a fire totally destroyed the home of Alfred P. Edge, at Darlington, Md., proprietor and breeder of the Darlington strain of Single Comb White Leghorns.

The fire originated in the cellar of the residence about twelve o'clock at night and spread with great rapidity. Mr. Edge and family escaped almost miraculously from their beds. Before the local fire department could get con-



Chicks 10 weeks old, weight 2¼ lbs. Hatched and raised by H. Dobbins, Pontiac, Mich., from S. C. Red eggs bought from A. A. Carver, Seville, Ohio.

trol of the fire the brooder house caught and the mammoth plant was wiped out. Fortunately the splendid flock of Single Comb White Leghorns was not harmed.

Many valuable records concerning chicks, collected by Mr. Edge, together with a portion of completed pamphlets on "How to Raise Day-Old Chicks" were destroyed. The printers, however, are getting out additional copies of this pamphlet, which will be forwarded to all those sending two 2-cent stamps for same.

Owing to the loss of his incubator, Mr. Edge will endeavor to fill all orders for hatching eggs and also has decided to greatly reduce his flock.

If any of the readers of this Journal have sent orders previous to the 28th of January, The Darlington Egg Farm would appreciate receiving confirmation of these orders, inasmuch as all such records have been consumed.

The many friends of Henry Steinmesch, St. Louis, Mo., will be sorry to learn that he has been dangerously ill with pneumonia the past month, and for this reason he notified the election commissioner, O. L. McCord, that he would not be a candidate for the presidency of the American Poultry Association at the coming election.



*A. Schilling*  
1913

CHICAGO SHOW DEC. 1912 Bred And Owned By OWEN FARMS VINEYARD WENHAM MASS.

FIRST PRIZE PEN WHITE WYANDOTTES





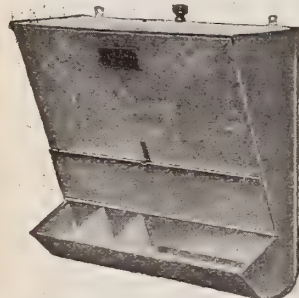
# WHITE ROCKS

If you want eggs from birds of **quality**, write me. They have been winning for years. Last Fall in Hagers-town, the greatest Eastern Fall show, my birds won all firsts and specials—did same thing in Charlottesville, Va., besides 4 special cups. In Baltimore in the keenest competition, they won 1st ck., 1st pul., 2d pen, special for best female—and in Richmond they won not only their share of regular prizes, but special cup for best female in show, all breeds competing, 500 hens and pullets in line. So if you want **quality** write me.

**A. R. Early : (Mating List Ready) : Roslyn, Maryland**

## INCUBATOR, BROODER and POULTRY YARD SUPPLIES

**Safety Lamps, Automatic Regu-lators, Incubator and Brooder Heaters, Dry Mash Hoppers, Chick Feed Hoppers, Grit and Shell Boxes, Sanitary Double-Walled "Top Fill" Drinking Fountains, Poultry Exercisers, &c., &c.**



Boxes, and Chick Feed Hoppers.....from 50c to \$1.85  
O K Sanitary Drinking Fountains. Double-wall construction keeps water cool in summer and prevents freezing in winter.  
Three sizes: 1, 2 and 4 gallons.

Send for Catalogues B 20 and 21



Brooder Hovers, complete with lamp, hover cloth and curtain, thermometer and thermometer holder.  
From \$1.80 to \$8.00

Our Catalogue No. 20 shows a complete line of incubator and brooder supplies, fixtures and repairs, and we have just issued a **Special Catalogue** describing a new line of labor-saving poultry yard devices.

Large Dry Mash Hoppers, Three Compartment Feed Hoppers for fowls, Grit and Shell



**The Oakes Manufacturing Co., Tipton, Indiana**

# Amatite ROOFING

## Why Practical Men Demand Amatite

**R**OOFING that needs paint every two years can't hold the market against Amatite—which needs no paint whatever.

Practical men know the great advantage of a roof that needs no painting. They know what a nuisance the painting is. They know how much it costs. They know how liable they are to neg-

lect to paint their roofs at the proper time.

Painted roofings are waterproof only where the paint is. Amatite is waterproof all the way through.

Amatite is sold in the usual convenient rolls of 110 square feet with a smooth lap where the mineral surface is omitted, so as to secure a tight joint. Nails and cement are packed in the center of each roll.

Free sample and booklet on request to nearest office.

**Barrett Manufacturing Company**  
New York Chicago Philadelphia Boston  
St. Louis Cleveland Pittsburgh Cincinnati  
Kansas City Minneapolis Seattle  
Cores, Ala.



## INTER-OCEAN EGG-LAYING CONTEST.

By John G. Poorman.

The second month of the Inter-Ocean Midlothian Farms egg-laying contest is over, and the results, as was expected, show a decided increase over January. The glory of the final day of February belongs to pullet No. 218 of Pen No. 4. She laid an egg at 9:15 a. m. and another one at 4 p. m. A similar occurrence may never happen during the entire period of the contest. The honors for the month of February belong to Pen No. 32, with a total of 104 eggs. This pen will receive the Inter-Ocean Bronze Medal and five Otis & Moe Drinking Fountains. The individual record belongs to hen No. 324 of this pen, with a total of 21 eggs. Pen No. 7, heretofore in the lead, has given way to Pen No. 32. There is a difference between the two pens of one egg. As individual breeds, the Houdans are making the poorest showing. It is hoped that they will soon show decided improvement. The following figures tell the tale. The first column is the total number of eggs laid the last week in February. The second column, the total number of eggs laid in February. The third column, the total number of eggs laid during January. The fourth column is the total number of eggs laid to date.

	4th week for Feb.	T.1. Feb.	T.1. Jan.	T.1. date
Pen 1—White Orpingtons....	21	92	17	109
Pen 2—Buff Orpingtons....	20	92	55	147
Pen 3—R. C. Rhode Isl. Reds	10	59	53	112
Pen 4—Buff Rocks.....	18	35	..	35
Pen 5—White Orpingtons....	8	34	..	34
Pen 6—White Orpingtons....	15	46	41	87
Pen 7—White Leghorns.....	16	54	82	166
Pen 8—Houdans.....	7	8	..	17
Pen 9—White Wyandottes....	27	68	38	106
Pen 10—White Leghorns.....	15	66	51	117
Pen 11—S. Penc'd Wyandottes	16	33	16	51
Pen 12—S. C. Rhode Isl. Reds	20	83	72	155
Pen 13—White Leghorns.....	18	69	80	149
Pen 14—Barred Plym'th Rocks	21	57	42	99
Pen 15—White Wyandottes....	15	29	18	47
Pen 16—Black Minorcas.....	17	62	36	98
Pen 17—Barred Plym'th Rocks	16	38	12	50
Pen 18—Speckled Sussex.....	18	49	19	68
Pen 19—White Leghorns.....	22	75	48	123
Pen 20—Houdans.....	1	4	0	4
Pen 21—White Leghorns.....	22	60	79	139
Pen 22—Houdans.....	7	14	..	14
Pen 23—Blue Andalusians.....	10	37	31	68
Pen 24—White Leghorns.....	13	62	39	101
Pen 25—S. C. Rhode Isl. Reds	20	59	4	63
Pen 26—White Wyandottes....	19	59	82	141
Pen 27—White Orpingtons....	25	57	27	84
Pen 28—White Orpingtons....	21	70	22	92
Pen 29—R. C. Rhode Isl. Reds	17	45	17	62
Pen 30—Mottled Anconas.....	16	71	66	137
Pen 31—Buff Orpingtons.....	14	39	35	74
Pen 32—R. C. Rhode Isl. Reds	20	104	63	167
Pen 33—White Plym'th Rocks	25	74	52	126
Pen 34—White Plym'th Rocks	4	14	6	20
Pen 35—White Wyandottes....	16	42	47	89
Pen 36—White Leghorns.....	22	65	62	127
Pen 37—White Leghorns.....	20	75	61	136
Pen 38—White Orpingtons....	19	61	36	97
Pen 39—White Leghorns.....	22	73	42	115
Pen 40—White Orpingtons....	16	62	63	125
Total number of eggs laid in January.	1,519.			
Total number of eggs laid in February.	2,218.			
Total for two months.	3,737.			

Princess Montpyn on her estate, Argenteau, at Bartow, Fla., has started a large poultry plant and is going to specialize with the Buff and Black Orpingtons. She purchased at the Lakeland Poultry Show, Florida, the two first pens in these varieties from Wm. Cook & Sons, originators of all the Orpingtons, and also many more birds from this firm, paying \$750 for these pens. This is the first case we know of royalty poultry farming in America. Her Highness is known all over the world. She exhibited collie dogs and cows all over the world, at one time paying \$20,000 for a collie dog; but in spite of paying this price and other large prices for dogs she made money out of them. Next year her advertisements will appear in most of the poultry papers. We wish her every success.





## History of the Polish Fowl

By LOUIS A. STAHLER



THE REAL PLACE OF ORIGIN of the Polish fowl has never been ascertained definitely. At one time, they were called "Padua" fowls or "Polands," and many different reasons have been given for using these names. Other writers give as the probable place of origin, Russia, while still others say that they were originated in Holland.

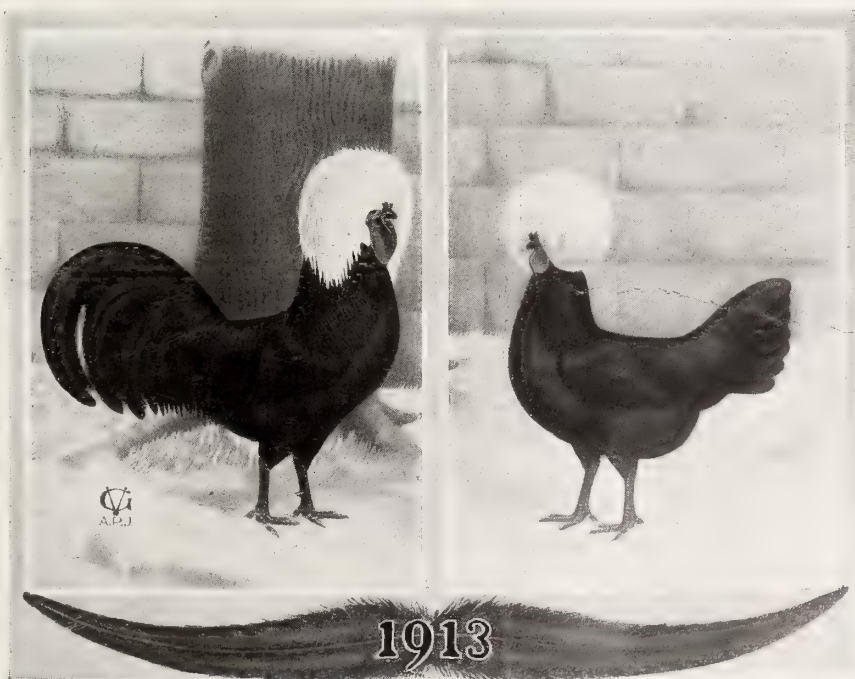
While it is true that many more crested varieties are bred in Holland and the adjoining countries, than in any other part of the world, yet it is more probable that the real place of origin of these fowls is Russia or some country which had a very cold climate. It is a well known fact that environment and climate will change not only the color but also the bone structure of fowls, and for this reason, we can readily accept the theory that the crest and foot feathering of some breeds of poultry came into existence as a protection against the cold. We have proof to a certain extent that there has been bred in Russia for many hundreds of years, a feather legged and crested variety of fowls known by the name of "Pawlona" fowl and as by selective breeding, it is a very easy matter to eliminate undesirable features in fowls, we can readily assume that when this breed was introduced into warmer countries, that feathers on the legs were bred out first and the size of the crest increased for beauty's sake. In Holland, the "Brabanters," a similar variety, have been known since the 14th century and according to noted authorities, such as Temmink, Cuvier and Latham, they have descended from *Gallus Gigantus* (Javan Cock). Woodcut illustrations in Aldrovandus book on "Ornithologia," published in 1600, show two crested fowls resembling to a certain extent the Polish of today, although his description of the birds does not fit any of the varieties of this breed as bred at the present time.

While the "Pawlona" fowls of the Russian and the Prabanter of the Hollander, have but small crests, yet

the formation of the skull of these fowls is the one great characteristic feature, but is not as pronounced as in the Polish. This protuberance of the skull is very pronounced in some of the varieties and reaches the extreme in the Crested Polish. This peculiar formation of the bones of the skull is visible already in the embryo in the egg after a week's incubation, and the young chicks when first hatched show it very plainly and by the size of this growth, birds can be selected that will have the largest crests. This peculiar formation was first discovered or rather published for the first time in 1656 by Peter Borelli in his work "Historia et observationes Rariores." There are many different crested or tufted breeds in existence, but speaking

of the Polish, it seems, according to authorities that the Silver and Golden Laced variety of this breed is the oldest in existence, and from which probably all other crested varieties of the breed were produced by selective breeding with, perhaps, an outcross to secure different colors.

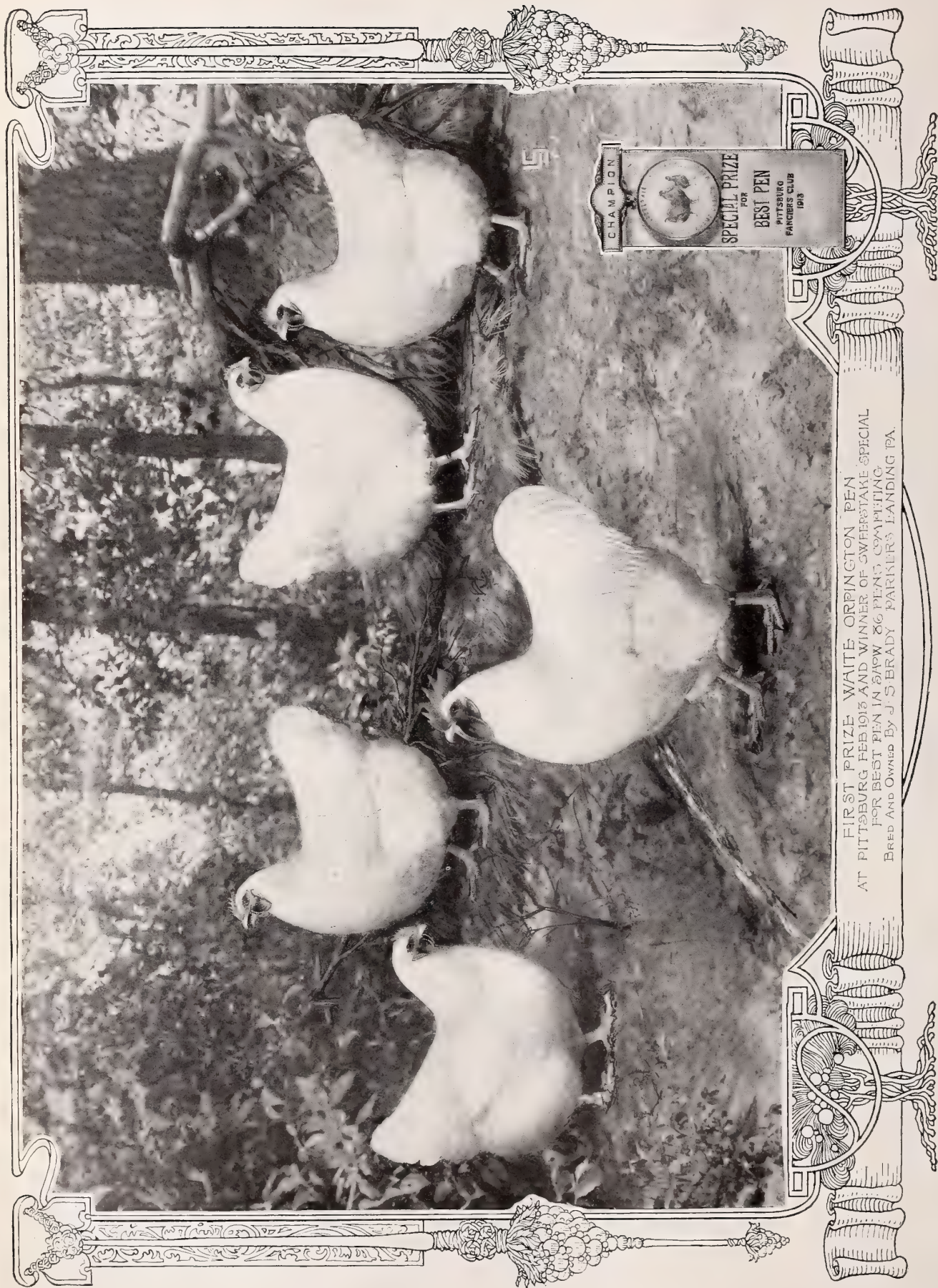
The varieties of Polish recognized by the American Poultry Association are the Bearded Golden, Bearded Silver, Bearded White, non bearded Golden, Silver and White, Buff Laced and White Crested Black. In Holland the breeders in addition to these have White Crested Blue, White Crested Barred, Buff Laced and White Crested



IDEAL WHITE-CRESTED BLACK POLISH

White. Yes, they even go further than that over there in trying to re-establish a Black Crested White variety, which has been extinct for many years, and I have seen an actual photograph of a first prize winner which showed already excellent type and a fine black crest. The last birds of this peculiar color were owned in 1854, says Mr. Louis Wright, by Mr. Brent of Saint Omer, but they seem to have died out completely. This new variety will make a handsome addition to the many different kinds already in existence and we hope that the Dutch breeder who produced this Black Crested White variety last year, has had good results and that he may be the distributor of this valuable new addition for the world at large.





CHAMPION  
SPECIAL PRIZE  
FOR  
BEST PEN  
PITTSBURG  
FANCIERS CLUB  
1913

FIRST PRIZE WAITE ORPINGTON PEN  
AT PITTSBURG FEB 1913 AND WINNER OF SWEETSTAKE SPECIAL  
FOR BEST PEN IN SHOW 26 PENS COMPETING  
BRED AND OWNED BY J. S. BRADY PARKERS LANDING PA.





White Crested Black Polish are good layers, non-sitters and can be kept on very little feed. They bear confinement very well and as for objects of beauty, as far as the poultry world is considered, they are in a class by themselves. Quite a demand has sprung up for this beautiful and deserving breed, and as this demand has increased competition in the show room, better looking birds are shown than ever before.





A remarkable Rhode Island Red possessing all desired qualities of the breed.



A Whatglen Farm Minorca, that approaches the ideal very closely.



The above pictured White Wyandottes, first prize winners at Boston, 1913, bred and owned by John S. Martin, of Port Dover, Canada, will long be remembered by those who saw them. The remarkable neatness and smoothness of plumage in addition with the



# CHICK CHATS

by H. P. Schwab

April 1. Don't slip.

\* \* \*

The breeding season is in full swing.

\* \* \*

Early chickens are all right for layers next winter and for the real early shows and fall fairs, but for next winter's show birds give us the later ones for results.

\* \* \*

The A. P. A. nominations are made and the grand old ship of state is safely free from the rocks again.

\* \* \*

Mr. E. B. Thompson, as the "breeders' candidate" for president, polled a grand vote, considering that but few knew he would accept office.

Mr. Thompson has consented and if elected will make an ideal official. We think it time the A. P. A. had a breeder for president. There is no sense in the journal men hogging it all simply because they have the press with them to plead their cause.

\* \* \*

The election ballots will soon be mailed out. Vote! It is every member's duty to vote his ballot just as he thinks best.

\* \* \*

Secretary Campbell's vote is a glowing tribute to a faithful official.

\* \* \*

Mr. C. D. Cleveland and U. R. Fishel also seem certain of election to the ex-

ecutive board. Both are very capable and will make desirable officials.

\* \* \*

Canada should have a representative on the board. Judge Richard Oke, of London, Ont., is a man of worth, for there is no better posted poultryman.

\* \* \*

Atlantic City, N. J., has the call for the meeting. The ocean breezes have no doubt been considered. They are ideal in August.

\* \* \*

Boost, boost, boost!

Early and often and late;

For e'en in the foe

There is something, you know,

That 'tis better to love than to hate.

Seek then the good in all;

Find it—'tis there—and boost.

Thus on this earth,

You'll double life's worth,

And up with the heroes roost!

\* \* \*

Breeders, mail me your circulars and catalogues. I wish them for mention and for future reference.

\* \* \*

The Williamsport (Pa.) Association will hold their sixth annual exhibit November 25 to 28, 1913. The judges are Richard Oke, J. C. Punderford, Chas. Nixon and H. P. Schwab. This is the

big early show. Remember the dates. Mr. McCormack Dawson, No. 200 Market street, is the secretary.

\* \* \*

We regret that in our report of the Palace (New York) Show we omitted to mention the winnings of Wm. Cook & Sons, Orpingtons, Scotch Plains, N. J. We give them elsewhere in this issue. The trouble is this firm has won so much the past season it is difficult to chronicle all, but we will try.

\* \* \*

Mr. Henry D. Riley, Strafford, Pa., Barred Rocks have made a unique record the past season. Birds hatched from his eggs sold won 1st cockerel at Boston, 3d cockerel at Madison Square Garden, New York, 1st pullet at Chicago, 1st and 3d cockerels at Guelph, Ont., with 69 competing, etc. Such records tell the whole story of a breeder's way of doing business.

\* \* \*

The Pittsburg Fanciers' Club Show as usual closed the season. It was a fitting climax to a great season. The show was a brilliant success.

\* \* \*

Note our mention of the Aldrich Poultry Farm in this issue. Visit that farm and see for yourself quality that no pen can describe.

\* \* \*

Eggs are hatching unusually good this spring and a great season is ahead, with the breeders full of confidence.

\* \* \*

Look the ads over and send in your orders for eggs. Improve your stock this year and every year. Investment in choice eggs is the best we know of.

\* \* \*

D. W. Young's catalogue received and



WINNERS OF ALL REGULAR SPECIAL PRIZES IN WHITE LEGHORN SHOWS AT BOSTON, CHICAGO, AND NEW YORK



# SILVER YWANDOTTES

I have for sale a choice lot of cockerels and pullets bred from my Chicago, St. Louis, Springfield and Kansas City winners. Also some one-year stock. Eggs from pens headed by these noted winners, \$3 per 15, \$5 per 30, \$7 per 45, \$12 per 100. Mention American Poultry Journal.

**August W. Schroeder, Route 1, St. Peter, Illinois**

# Columbian Plymouth Rocks

The type I breed is the big boned Rock type. Winners at Chicago, New York, Philadelphia, Etc. Splendid matings. Eggs, \$3.00, \$5.00 and \$10.00. Circulars free.

**F. M. Clemans,**

**Mechanicsburg, Ohio**

# Jersey Lawn White Wyandottes

I have five yards mated for the very best results in show or utility purposes. Cockerels all sold. Eggs, \$5.00 per 15. Write for mating list.

**Harry Cass**

**-:-**

**Buffalo Hart, Illinois**

# Tolman's White Plym. Rocks

Baby chicks and eggs for hatching. When you order from Tolman, you get the best at a popular price. Eggs and chicks now ready. Circular and price list free.

**Joseph Tolman**

**-:- Dept. H**

**-:-**

**Rockland, Massachusetts**



## S.C. BROWN LEGHORNS

### ONLY THE BEST — PRIZE WINNERS

The kind of birds the fancier loves to raise. I won 1st on cockerel, 3d on cock, at the Boston show, 1907; 2d and 5th cockerel, 3d and 5th cock, 3d and 6th hen, Boston, 1908; 1st on cock, 3d on pullet, at Madison Square Garden Show, 1905; 1st on cock, 2d and 3d on cockerel, 1st on pullet, 1st on pen, and 10 special premiums at Chicago show, 1905, winning fifteen prizes on eight birds. At Chicago, December 1909: 1st and 2d cock, 1st and 5th cockerel. First cock, 1st cockerel at the Great Chicago Show, 1910. Chicago, 1911, 1st cockerel, 2d cock. A choice lot of show and breeding stock. Circular showing my winnings free. Write now. Address

**W. H. WIEBKE Box P 348 FORT WAYNE, IND.**



as usual is most interesting. His S. C. White Leghorns are better than ever. We will write them up soon.

Secretary H. D. Riley, of the Barred Rock Club, has mailed out the club report with list of new officers, etc. The club will issue a catalogue and requests all breeders to lend their aid. Join the club now and have your name among the members. All helps.

Mr. A. Q. Carter, Freeport, Me., exhibited at Berlin the real quality in American Dominiques and won about all that was offered. His line has the correct type and quality desired, which has made this variety a great favorite for so many years.

Houdans are also one of the old favorite varieties of quality. We hope to have some excellent articles on this variety in the future.

The Dorkings are another staple variety that we would like to see boomed. They are a breed of worth. The A. P. J. will gladly do its share if the breeders will aid. Write me.

Note in our report of the Pittsburg show the winnings of J. S. Brady, Parkers Landing, Pa. It is a glorious record for S. C. White Orpingtons.

The best advice is—don't give any.

We never can retrace our steps, but we can pick a better path from now on.

The Hilldorfer Black Minorca Farms at Saxonburg, Pa., are a busy place with Manager Norman in charge. Their wins at Pittsburg and Baltimore did it.

When a man agrees with you at all times look for the ax he has to grind.

The Great Hagerstown Fair will be held October 14 to 17, 1913 with Mr. W. F. Spahr as secretary. The greatest fall show of the whole world.

When you feel a cranky spell coming on go out and hunt a grindstone.

Rankin's Reds did the trick again at Pittsburg. To win specials for best cockerel in the show at Philadelphia, Cleveland and Pittsburg is some record. His winning S. C. Red cockerel was worth all he received.

Prepare early for next season's shows. We should have more shows early in November, for all breeders have birds at their best then and look to make early records. As things now are the season is too short and the shows crowd each other.

Exhibitions to open Thursdays with judging days Friday and Saturday are deservedly very popular. They close the following Wednesday and all birds are back home in good season without the usual Sunday lay over on the road. Here is a plan for consideration that has been followed by several for years with success.

We hope for our next to have a review of the show season which has been the grandest in history and has illustrated many lessons of note.

We have received catalogues from the following besides those mentioned:  
C. H. Welles, Stratford, Conn., Barred

## MAPLEWOOD POULTRY YARDS

**H. W. HAYNER, SUPERINTENDENT : ATTICA, NEW YORK**

Again sweep the deck by winning the two most coveted prizes at the big Batavia Show (over 1300 entries), Jan. 22d to 27th, 1913.

### SILVER CUP FOR BEST MALE IN SHOW

(Won by 1st S. C. W. Leghorn Cock)

### SILVER CUP EXHIBITOR WINNING MOST POINTS

13 firsts, 14 seconds, 13 thirds, 8 fourths, 4 fifths and other specials too numerous to mention. Why not buy stock, eggs and chicks from a Farm that has proved its superiority and sells at reasonable prices. Send for catalogue and mating list of S. C. W. Leghorns, White Wyandottes, Pekin Ducks, Indian Runner Ducks. Stock and eggs for sale. Baby Chicks a specialty. Send for list of Winnings at Syracuse State Fair, 1912, International Show, Buffalo, 1913.

## BELLA VISTA FARM

WEST KIMSWICK, MISSOURI, "ON THE FRISCO"

### A 10,000-Dollar S. C. White Leghorn Farm

Eggs for Hatchings—\$5.00 for 100, \$1.00 for 15, \$3 for 50. We have selected 800 of our largest females and best layers to breed from. 300 fine cockerels and 200 laying pullets to spare at \$2 to \$3 each, splendid values. Visitors welcome. Correspondence solicited. Mating list free. References—Editor of this paper. Address

**BELLE VISTA FARM CO. : P. O. WEST KIMSWICK, MO.**



Plymouth Rocks; Lester Tompkins, Concord, Mass.; J. E. Weatherwax, Greenfield, Mass., Buff Rocks and Buff Leghorns; S. M. Goucher, Moorestown, N. J., Barred Rocks; the Underhill Farms, Port Ann, N. Y., Thoroughbred poultry; the Aldrich Farms, Columbus, O., Orpingtons; H. L. Fike, Meyersdale, Pa., Barred Rocks; Arthur G. Duston, So. Framingham, Mass., White Wyandottes; the Hildorfer Black Minorca Farms, Saxonburg, Pa.; Matt W. Baldwin, Sioux City, Iowa, Barred Rocks; Chas. C. Wine, Mount Sidney, Va., Barred Rocks; A. Q. Carter, Freeport, Me., American Dominiques; Chas. Nixon, Washington, N. J., White Wyandottes; M. B. Hickson, Lynchburg, Va., Barred Rocks; C. L. Pensyl, Bloomsburg, Pa., S. C. White Orpingtons; the Model Farms, Lansdale, Pa., White Rocks; A. C. Hawkins, Lancaster, Mass., Barred Rocks; John W. Ward, Jr., Pennington, N. J., Dark Cornish; E. S. Shelly, Williamsburg, Pa., S. C. Reds; the Glen Poultry Farm, Fairport, N. Y., White Rocks; F. M. Clemans, Mechanicsburg, O., Columbian Rocks; S. H. Harter Nescospeck, Pa., Buff Rocks; H. D. Riley, Strafford, Pa., Barred Rocks; F. G. Bean, Collegeville, Pa., Columbian Rocks; John W. Poley, Linfield, Pa., Buff Rocks; Yama Farms, Napanoch, N. Y., Barred Rocks and S. C. Black Minorcas; D. W. Young, Monroe, N. Y., S. C. White Leghorns; Vierheller Bros., Pittsburg, Pa., Buff Rocks; H. W. Alt, Buffalo, N. Y., S. C. Reds; J. L. Brown, Seaforth, Ont., White Rocks; Geo. W. Little, Braintree, Mass., R. C. Reds; Koons Farms, Treichlers, Pa., White Rocks; M. R. Jacobus, Ridgefield, N. J., Campines; Onlya Farm, Florham Park, N. J., White Wyandottes; Dune Alpin Farm, East Hampton, N. Y., S. C. White Leghorns; the Monmouth Farms, Freneau, N. J., S. C. Buff and White Leghorns; E. B. Thompson, Amenia, N. Y., Barred Rocks; A. J. Fell, West Point, Pa., White Wyandottes; W. R. Graves, Southboro, Mass., White Rocks and White Wyandottes; Frank McGrann, Lancaster, Pa., S. C. Black Minorcas; R. J. Walden, Middleburg, Md., Barred Rocks; Schenley Heights Poultry Farm, Pittsburg, Pa., S. C. Reds; Webster Farm, Girard, Pa., White Rocks.

H. P. Schwab.

E. L. Beck, of Des Moines, Iowa, has been appointed superintendent of the poultry department at the Iowa State Fair.

### Baby Chicks and Ducklings

We ship chicks and ducklings, and guarantee safe arrival to your express office. Barred or White Rocks, Brown or White Leghorns, R.I. Reds, Buff Orpingtons, Pekin and Indian Runner Ducklings.



Price, 10 to 18 cents each. Send a 2 cent stamp for illustrated catalog. Sunnyside Poultry Farm, Box A.P., Cromwell, Ind.

### SIMPLICITY POULTRY FEEDER



Perfectly adjustable, feeds everything from whole corn to millet seed, will not clog, nothing to get out of order, works from every direction, rat and bird-proof, feeds chickens when hungry, saving time, labor and feed. A day old chick can feed itself with a Simplicity Baby Chick Feeder.

**\$1.25 to \$3.50, Delivered, Shipped On Approval.**

"What and How To Feed," a valuable book of feeding formulas, sent free on request.

AGENTS WANTED.

**SIMPLEX SUPPLY HOUSE,**  
Pontiaca Building, Chicago, Ill.



## RICE'S SINGLE COMB WHITE LEGHORNS

Their past record of first prize winnings at Madison Square Garden and other leading American shows for the past seventeen years must convince you of the fact that they are bred to win, and do it in the strongest competition.

They have also a world-wide reputation as **HEAVY LAYERS** of large white eggs and can and will make money for you.

I have several hundred choice yearling hens and early hatched pullets at reasonable prices, with strong vigorous cockerels to mate with them.

I will select and mate breeding pens both for exhibition and utility purposes which will give you the desired results.

I am better prepared than ever to furnish **EGGS FOR HATCHING** from strong healthy yearlings and two-year-old hens which will produce strong chicks which will live and grow.

Write for list of both exhibition and utility matings and description of same.

**IRVING F. RICE**  
CORTLAND, NEW YORK

Special for Best Male Head at Madison Square Garden January 1910, 84 Males Competing

## ROSE COMB REDS

Boston and New York Winners—At Boston 1913 won, 1st cockerel; 4th cock and 4th pen, with specials. Last year also won both shape and color specials and special for best R. C. Red female. Fourth Cock at Palace New York Show last month. In type and color as well as in head points, my line is unequalled and have been line bred for years. Write me your wants. I will please you with price and quality. Eggs for hatching. Mating list now ready.

**GEO. W. LITTLE -- 29 Mt. Vernon St. -- BRAINTREE, MASS.**

## Payne Bros.' Rose Comb Reds

Win at Madison Square Garden, the "Quality" Show of America—1st cock, shape and color special, 1st pullet, color special, 5th hen, 3d pen. At the big Boston show, 1912—1st cockerel, 1st pen, 2d hen and six other ribbons on nine entries. If you want the best in stock and eggs, write us. Mating list free Feb'y 1st. Satisfaction guaranteed.

**PAYNE BROS -- BOX J -- PORTLAND, CONNECTICUT**

## Our Trade Mark Guarantees Quality

It assures absolute satisfaction to the customer. That is why we sell half our stock in advance to old customers—those who have been well pleased with the vigor and quality of our

## White Leghorn Chicks and Breeding Stock

We have a mammoth incubating capacity of 60,000 eggs at one time. Our cellars, brooders, ranges and houses are faultless in construction and efficiency. They are built right and managed properly.

Our stock is vigorous, heavy laying and possess the stamina that comes from years of intelligent breeding. Our birds are clean, trim—they show **QUALITY**, always!

Write for our catalog. It will save you money. It contains full description and prices. Free on request.

**MICHIGAN POULTRY FARM**  
LANSING, MICH.



Detroit, Mich.  
Dec. 29, 1912.

Chicks received in June, 1911, began laying at 5 months of age. In severe winter 1911-12, pullets from these produced 40% yield. They averaged 170 eggs in that time. (10 months.)

Chicks received in March, 1912 began laying at 18 weeks old and at 5 months 85% of pullets were laying. They laid during their fall pullet moult.

Chicks received in June 1912, were not let lay until 5½ months old. In Dec. they averaged a 50% yield. Never had pullets lay such fine eggs.

**PAUL ELLIS,**  
339 Lycaste Ave.



# The Great Baltimore Show

Although Conflicting in Dates With New York was  
Larger than Ever.

By H. P. Schwab.

IN the Fifth Regiment Armory, Baltimore has the best show hall in the country. In size and light it is second to none, and the officers and members well know how to coop and place the show and to decorate it with state colors that add beauty and make it the attractive exhibit it is. Mr. Geo. O. Brown, the faithful secretary, with President Riggs, was in charge and as usual from every viewpoint the show was a pronounced success.

## Barred Plymouth Rocks.

The Barred Rocks have always been popular here, and while not as large a class this year as in the past, it still was a good class of quality with several good breeders showing. Mr. R. J. Walden, Middleburg, Md., also showing at the Great New York show the same time, won here cock 3d, pullet 2d, pullet bred cockerels, 2d and 3d.

Brooklandwood Farms winning hen 1st, cockerel 1st, pullet 1st.

W. G. Boileau, cock 2d, hens 4th and 5th, cockerels 2d and 4th, pullets 3d and 5th, pen 1st.

O. C. Boileau, cock 1st.

White Plymouth Rocks were a quality class and the best of competition was had here. Mr. Alexander R. Early, Roslyn, Md., won cock 1st, hen 5th, cockerel 3d, pullet 1st, 3d and 5th and pen 2d. The first cock was one of rare beauty and the sensation of the class.

The Rockland Farm winning cock 2d and 3d, hens 1st and 3d, cockerels 1st, 2d and 5th, pullets 2d and 4th, making a fine display of dandy birds.

In Columbian Rocks most of the leading prizes went to L. P. Graham, Collingwood, N. J. He is a "Flea" of note.

Partridge Rocks, a beauty class, with

W. F. Presgrave winning cock 1st, pullet 1st.

The Silver Laced Wyandottes were



Mr. Hall's display of Barred Plymouth Rocks at the Illinois State Show, January 6 to 12, 1913, created a most favorable impression regarding the quality of the stock bred by him. His first prize cockerel, pictured above, was of good type and showed ringlet barring to a marked degree. His mating list gives full particulars regarding his excellent matings for the present season.—I. W. Burgess.

Mr. Hall also won first pullet pen and special second cockerel-bred hen.

one of the largest classes of the show and with T. K. McDowell, W. D. Kinsell, C. S. Shirk, Silver Brook P. F.

and Harry Wetzel the leading winners. Golden Wyandottes also a large and rich class.

White Wyandottes, a class of good numbers and very uniform quality. Here the prominent winners were J. J. Farrell, Dr. C. S. Bowers, E. R. A. Litzen, E. M. Mellor, A. M. Knapp, Spring Valley P. F., Samuel Little and Mrs. L. Tarber & Son. Columbian and Partridge Wyandottes well shown.

S. C. Reds—a record class and as usual very strong; a nice lot of quality here. The Rose Combs ran close in numbers and up high in quality. Both grand classes and birds well shown.

S. C. Buff Orpington—a class of extreme beauty and of rarest competition, the Sunswick Farms, South Plainfield, N. Y., making a great record and one of extreme value. They won cock 3d, hens 1st, 2d and 5th, cockerels 1st, 2d and 4th, pullets 5th, pen 2d, with several specials. This line, with all their winnings at New York, Boston, Allentown, etc., have never won more credit or have ever shown better birds than they displayed here.

Henrietta E. Hooker, South Hadley, Mass., won cock 1st, hen 4th, cockerel 5th, pullet 4th and pen 1st. This is another of the reliable lines that have been shown with much success for many years past.

The Dunrobin Farm, Red Bank, N. J., in Buffs won: Cock 1st, hens 3d, cockerel 3d, pullet 2d and pen 2d. In White Orpingtons: Hen 5th, cockerels 1st and 4th, pullet 4th, pen 2d. In Buff Orpington ducks: Old drakes 1st, 2d and 4th, ducks (old) 1st, 2d and 3d, drakes (young) 1st, 2d and 3d, ducks (young) 1st, 2d and 3d, all in hot classes.

In Black Orpingtons Maj. Hugh A. Rose, Fonthill, Ont., split his string between New York and this show, winning here: Cock 1st, hen 3d and 5th, cockerels 1st and 2d, pullets, 1st and 3d, pen 2d, with specials. Both his winning cock and cockerels were birds of great value and merit. Birds of this line have made

## GOWERN'S SINGLE COMB WHITE LEGHORNS

SENSATIONAL PITTSBURG WINNERS five consecutive years, First Pen Pittsburg Exposition Show 1913, 25 pens competing. First and Second Hen pronounced perfection. Have sold winners this and other years for Pittsburg and other great shows. Eggs \$3.00, \$5.00 and \$10.00 a setting. Mating list free.

W. J. GOWERN, JR.,

Dept. A,

CANONSBURG, Pa.



## Wolfrum's S. C. White Leghorns

Won at Cleveland Great Fanciers Club Show, January, 1913, 1st cock, 1-2-5 hens, 1st ckrl, 1st pullet, 1st pen and best display on ten entries.

Never defeated in show room, bred from 196 to 238 egg hens, for fine combs, long backs, low tails and blue-white plumage. Your name brings our egg matings.

GEORGE W. WOLFRUM,

Box 392,

Carey, Ohio



# A BUSINESS OPPORTUNITY!

One of the leading and best paying Poultry Journals in U. S. has been placed in my hands for sale. Present owners are retiring from publishing business. If you can command the necessary capital, this is a splendid opportunity to acquire an established enterprise actually producing big profits. Address for full particulars

S. E. H., BOX 715 Care AMERICAN POULTRY JOURNAL CHICAGO, ILL.



the rounds this year and at a dozen shows have been leading winners.

The Aldrich Poultry Farm, Columbus, O., was here strong in White Orpingtons, winning: Cock 1st, hen 1st, cockerel 2d, pullet 2d, pen 1st. This record was made on but one entry in each class. That surely is picking them. They were also showing at Madison Square Garden, New York, at the same time and winning well there with pen 1st, etc. Their first cock, an exceptional bird of value, well shown and with elegant types and color.

Mr. L. L. Haggin, Lexington, Ky., another breeder of note of White Orpingtons here, won: Cock 2d, hens 2d and 4th, cockerels 3d, pullet 3d, pen 3d. Birds in splendid condition and of great worth.

Our old friend, F. E. Gilbert, with his Congo Black Orpingtons was showing but a few birds here winning: Cock 3d, cockerel 3d, pullet 2d and pen 1st. This line has been long and favorably known and has produced a great many winners for the past several years.

Black Langshans were another of the great classes seen here, with 108 birds shown. It is very seldom we see such classes, and we hope for more of them, as they are a valuable variety. Mrs. Littlefield, Middleburg, Md., winning: Cock 5th, cockerel 1st, pen 3d. First cockerel a bird of best form, color and style and carriage, with fine head.

Other winners here were W. F. Uresgrave, H. J. Reitz, Wm. Lauterbach, Elm Poultry Yards, R. B. Johnson, Norman Rice, Carroll Menefee, etc.

In S. C. White Leghorns and with 183 birds seen it was a royal class of merit, the Spring Water Poultry Farm, Stockton, N. J., winning: Cock 2d, pullet 1st and pen 5th. Very sweet for this competition, the winning pullet a bird of finest class and shown in wonderful condition, and a "lady" did it. Other winners here were the Dunrobin Farms, Red Bank, N. J., the Endicott, Jr., Caw-Law Poultry Farm, Gillingham Farm, J. A. Abrecht, T. C. O'Byrnes, C. J. Eitenmiller, Clemeus B. Krogman, W. F. Lantz, etc.

The Hildorfer Black Minorca Farm, Saxonburg, Pa., made a beauty record with their line of S. C. Black Minorcas. This was the club show, and a great quality class was out, with Mr. Frank McGrann judging, and as usual giving the best of satisfaction to all. Mr. Hildorfer won: Cock 1st and 4th, hens 2d, cockerel 1st and 2d, pullet 1st and 5th, pen 4th, and many specials. This is another of our old reliable lines.

Other winners here were Dr. Howard Mellor, N. E. Kirk, New York & New Jersey Poultry Farms, Brish Bros., Edw. Kress, R. Moreland, S. H. Fox, etc.

Houdans also a large and beauty class of worth well shown. Here was seen many birds of exceptional value, making an attractive class.

Other classes up to standard made it a very complete exhibit in every way.

H. P. Schwab.

Sonoma county has taken the lead among the fifty-eight counties of California in number of fowls owned, in annual egg production and in value of poultry and eggs produced, according to figures compiled by Secretary of State Frank C. Jordan. The number of fowls raised in the county in 1912 was 1,512,601 and the egg production amounted to 9,470,880 dozen, or 113,650,560 eggs. The total value of the poultry and eggs produced was \$3,038,518.

## VIERHELLER'S BUFF ROCKS

Special sale of last year's prize winning cocks and hens. This is your chance to get something good.  
VIERHELLER BROS. : 17 SYLVANIA AVENUE : PITTSBURG, PENNSYLVANIA



### A GOOD TRAP NEST

Made in a few minutes from a common box, very simple and reliable. Send 10c for complete printed and illustrated instructions for making your own trap nest. Warm water fountains, automatic feed hoppers, poultry houses, etc. Price list of our wonderful strain of Winter egg producing Barred Rocks free.

Stirdivant Farms, Sheboygan Falls, Wisconsin

## Wyckoff's S. C. W. Leghorns

Acknowledged Everywhere the World's Greatest Laying Strain—Unequaled in standard qualities. Remember that we are the originators, and for more than thirty years specialty breeders of the justly celebrated Wyckoff Strain of S. C. White Leghorns, the most profitable strain of poultry in America today. Place your orders at headquarters and make no mistake. Eggs for hatching in any quantity from the grandest of matings at \$2 per 15, \$3.75 per 30, \$5 per 45, \$10 per 100. Catalogue and testimonials free.

### ADDRESS

C. H. Wyckoff & Son : Aurora, Cayuga County, New York

## Buff Wyandottes

### Jacks' Golden Beauty Strain

The Minnesota Blizzard Busters

Eggs from our choicest matings. Blue blooded, aristocratic, champion winners, every bird a pedigreed Gold Beauty Star, \$4 per 15. Twenty Gold Beauty cockerels, all sired by first and champion New York chl., at cut snap prices to move them quick. Last showing, Minn. State Show, Minneapolis, Jan., 1913, 1-2-3-5 chs., 1-3-4-5 pul., 1-2-3-4 hens, 1 pen, all specials. Send for list. Address

J. Carleton Jacks, Litchfield, Minn.



## EGGS for HATCHING and BABY CHICKS From FOGG'S SINGLE COMB WHITE LEGHORNS

will produce you fine exhibition birds and heavy layers. The breeders this season are the finest lot we have ever mated. Our baby chicks are the kind that LIVE, and eggs for hatching will produce that kind. We guarantee safe arrival of eggs and chicks. Send for mating list now.

N. V. FOGG -- Box R -- MT. STERLING, KY.

## FOR PARCEL POST AND EXPRESS SHIPMENTS

### Use Rippley's Perfect Egg and Day

Rippley's Perfect  
3-piece  
Egg Boxes



Size	Doz.
15 Egg	\$1.10
30 Egg	1.85
50 Egg	2.50
100 Egg	4.00



### Old Chick Boxes

Made of extra strong corrugated cardboard. Stand 5 men's weight. Cushion effect. Dead air cells keep out cold and heat. Chick boxes have correct ventilation. Glued tape seals boxes. Will deliver chicks or eggs 3,000 miles with safety, and eggs in hatchable condition. Satisfaction guaranteed or money returned. Put up in packages of 1 dozen, 25 chs. extra for each package broken. Sample box 25 size chick or one setting, egg 25c postpaid. Use RIPPLEY'S

Prices No. 2 Carton.  
Two partitions. Heavy Card Board.

500 Boxes	\$ 6.50
1000 Boxes	10.50
5000 Boxes	40.00
No. 3 Carton. 4 partitions. Made single manilla pulp lined, chip board.	
500 Boxes	\$ 4.50
1000 Boxes	7.00
5000 Boxes	30.00

No. 2 Carton



Perfect Chick Boxes  
100 Chick Size - \$2.85 per doz.  
50 Chick Size - 1.75 per doz.  
25 Chick Size - 1.25 per doz.

### Catalog Free

Tells all about Rippley's Boxes, Cartons, Brooder Heaters, Hovers, White-washers, Sprayers, Coops, Carts, Feed Cookers, etc.

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# Current News of the Poultry World

by J. F. Shureman



The Kansas State Senate has recommended the passage of a resolution calling for an investigation of the poultry industry of that state. It is estimated that the production of poultry and eggs in the state amounts to \$30,000,000 annually and that there is a preventable loss of \$5,000,000 each year.

State Superintendent R. W. Wilson of the public schools of Oklahoma has written the county superintendents of the state requesting them to urge upon teachers the organization of poultry clubs among the boys and girls. Last year 2,060 boys and girls between the ages of nine and eighteen engaged in the poultry contests for the prize of \$50.00 offered for the best pen of Barred Rocks. This year a prize of \$25.00 is offered.

Miss L. C. Harding, secretary of the Omaha board of trade, has a poultry farm worth \$23,000, and last year she cleared \$4,765 on her poultry and eggs. Nine years ago she had just \$40 and a job in a business office. She invested that \$40 in a small poultry house, a dozen hens and a male bird. From this small beginning her business has grown to large proportions, her equip-

ment including a 6,000-egg incubator. She is planning on a 10,000-hen flock for egg production. She still holds her position in Omaha, hiring a manager and the necessary help for her poultry farm.

J. M. Kienig, proprietor of the Park Place Poultry Farm, Rittersville, Pa., has sold his entire flock of Golden Laced Wyandottes, including all his prize winners, to F. A. Erwins, proprietor of the Elmhurst Poultry Yards, Bethlehem, Pa.

The Food Research Laboratory of the Bureau of Chemistry, heretofore located at Nashville, Tenn., under the direction of Dr. Mary E. Pennington and Prof. H. C. Pierce, is to be removed to Sedalia, Mo. The work of the laboratory consists of studying the marketing of eggs and poultry from the producer to the consumer.

Fifty to seventy-five acres will be required for the proposed poultry breeding farm at the Oregon State Agricultural College, the purpose of which is to supply the farmers of the state with stock from prolific egg-producing flocks. About \$12,000 will be expended in equipping and stocking

the farm and it is anticipated that it will be self-supporting.

A six-weeks' course in poultry culture is being conducted at the Dayton, Ohio, Y. M. C. A. Prof. W. W. Weaver, of Yellow Springs, O., is the instructor.

Members of the Castalia Vigilantis of Ohio, organized eighteen years ago to wage war on horse and cattle thieves, met in Sandusky recently and amended their charter in such a manner as to enable them to go after chicken thieves also.

The Hen-E-Ta Bone Company, which operates three big eastern factories, has opened a branch factory at Springfield, Ill. A \$100,000 factory building will be completed within the next year and it is expected that the output will be at least two carloads a day.

A poultryman in Pennsylvania recently claimed that he had a hen that laid two eggs in one day, five hours apart. J. C. Punderford, owner of the Monmouth Farms, says he has the Pennsylvanian beaten, as one of his pullets on February 15 laid two eggs during the morning, one at 8:30 and



TRIO S-C BLACK ORPINGTONS FROM FIRST PRIZE PEN AT CHICAGO SHOW DECEMBER 1903  
C. S. BYERS HAZELRIGG INDIANA Owner And Breeder



## HIGH SCORING WHITE ROCKS

Won 24 ribbons and 2 specials at 2 shows. I could not get to go to but one, the Kankakee show, this winter, which is the third largest show in Illinois. Won 1st, 2d, 3d ck.; 2d, 3d hen; 1st ckl.; 1st, 2d, 3d pul.; 1st pen 190½ points; 2d pen 190¼ points; 1st on American class; 3d on grand special. Eggs at bed rock prices. Write for mating lists. Mention A. P. J.

B. E. Graham Route 2, Manteno, Illinois

Miles' Montauk



Barred Plymouth Rocks

**SENSATION** — 2d Cockerel Madison Square Garden, 1910 Birds and eggs I have sold have won and produced winners in nearly every state in the Union and Canada during past 30 years. I offer eggs from best matings I ever had. 7 pens, 3 for cockerels and 4 for pullets. Eggs, \$5 for 13; \$8 for 26; \$15 for 52. A special mating of 3 extra choice pullets \$1 per egg. Some fine breeders for sale in cockerel and pullet line. No circulars; write wants. 36 years with B. P. Rocks exclusively.

E. L. MILES

SAG HARBOR, N. Y.



## JEFFERSON'S White Runners

Win where quality counts—never defeated. At the greatest show held at Madison Square Garden, Dec., 1911, our ducks controlled the highest winnings. Our winnings include 1st cockerel, 1st pen, second pullet.

At Southern International Show, Atlanta, Ga., Dec. 16-21, 1912, our Madison Square Garden 1st cockerel won first cock. Also won 1st cock at Savannah, Ga., Nov., 1912. This winning cock is without doubt the greatest white runner in America. He heads our all-prize pen this season. These great ducks, together with our other prize winners, place Jefferson's White Runners far in the lead. Our string of winnings at Chicago, Cleveland and Savannah include many firsts.

Eggs, \$5.00 per 12, \$8.00 per 24, \$15.00 per 50, and \$25.00 per 100. Why pay more, we guarantee satisfaction. Stock for sale.

Jefferson Poultry Farm, Albany, Ga.

Citizen's First National Bank Bldg.

the second one at 11:30. Mr. Punderford says there can be no mistake about this, as the pullet was trapped and he personally took her off at the times stated.

The Park Ridge School of Poultry Culture, Chicago, has been incorporated by C. O. Westphal, Willis Melville and A. Murphy. Its purpose is to teach poultry culture by correspondence.

A poultry census of the state of Minnesota is soon to be taken under a new plan, according to Prof. N. O. Chapman, of the poultry division of the State Agricultural School. The plan is to have the teachers in the public schools of the state take charge. There are 8,000 of them and they will be requested to have each pupil report the number of chickens at his or her home, these reports to be forwarded to Mr. Chapman.

John O. Gabriel for over thirty years one of the leading poultry breeders of Pennsylvania, and famed for the past dozen years or more as a breeder of



Brooder house on Lawrence Jackson Farm, Haysville, Pa. 600 little chicks inside at time picture was taken.

Rhode Island Reds, has sold his Overlook Poultry Farm at Summit Lawn to Ray Brown, of Allentown, Pa., and will retire from the poultry business.

Otto Hornberger, of Ashland, Ohio, a poultry breeder, recently found a safety pin inside of a hard-boiled egg he was eating.

Dr. Cornelius J. Andrus, of Canandaigua, N. Y., a well-known poultryman and prominent in his home community, has filed a voluntary petition in bankruptcy in the United States District Court at Buffalo. His liabilities aggregate \$9,019.70 and he claims he has absolutely no assets.

An attraction at the Bloomington, Ill., poultry show was a "female rooster." The bird had every appearance of being a male bird, but its owner stated positively that it was a hen, and to make the owner's word good the bird laid several eggs during the show.



**ADJUSTABLE CLINCH — NO BETTER Poultry Leg Bands Made**  
25, 20c; 50, 35c; 75, 50c; 100, 65c; 200, \$1.00. No stamps taken. Frank Cross, Manufacturer, Box 506, Montague, Massachusetts.

**BUFF & COLUMBIAN WYANDOTTES**  
Winners at Cleveland and other big shows. Eggs from first pens, \$3; utility pens, \$1.50.

L. J. MORRIS, OBERLIN, OHIO

## White Rocks

Eggs from pens headed by 1st Phila.; 1st Allentown Pen, and 1st Pittsburgh Cockerels at \$5.00 per 15. Only the cream of our flock mated.

Koons Farm, Treichlers, Pa.

## Single Comb Reds

Single Comb Black Minorcas. Eight years a breeder of these two breeds. The greatest of all winter layers. Special mated pens to produce show birds and prize winning stock. Stock and eggs for sale in season.

GRAND RIVER POULTRY YARDS

H. H. LACHET, PROPRIETOR, MARKESAN, WIS.

## Buff Rocks

Unite utility with highest exhibition qualities. Win at Great Mid-West Show at Chicago, Dec. 1912. 2nd and 3rd pullet and 5th cockerel. At Washington Heights, Jan. 1913. 1st, 2nd and 3rd cockerel; 1st, 2nd and 3rd pullet. No better blood obtainable at any price. EGGS, \$3.00 per 15; \$5.00 per 30.

C. E. Clapp, Groveland Ct., Morgan Park, Ill.

## The Ideal

### FEEDER and EXERCISER

Will feed any kind of Poultry feed. Adjustable to feed any amount desired. Keeps Poultry busy. Will PAY FOR ITSELF in six months. Increase your egg yield 25 to 40 per cent. Size No. 1 (12 quarts), \$2.50; No. 2 (20 quarts), \$3.00. Have Sparrow and Rain Guards complete. Our 15 quart Dry Mash Feeder, \$1.25. Fowls cannot waste the feed.

Agents Wanted

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MR. JNO. J. CAMPBELL,  
General Sales Agent for the New Eng. States  
Hartford, Conn.



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Have imported roller chains, sprockets and pedals; New Departure Coaster-Brakes and Hubs; Pneumatic Proof Tires; highest grade equipment and many advanced features possessed by no other wheels. Guaranteed 5 yrs. **FACTORY PRICES** direct to you others ask for cheap wheels. Other reliable models from \$12 up. A few good second-hand machines \$3 to \$8.

**10 DAYS' FREE TRIAL** on approval, freight prepaid, anywhere in U.S., without a cent in advance. **DO NOT BUY** a bicycle or a pair of tires from anyone at any price until you get our big new catalog and special prices and a marvelous new offer.

A postal brings everything. Write it now.

**TIRES** Coaster Brake Rear Wheel's, lamps, cycles, tires and sundries. Write today.

Rider Agents everywhere are coming money selling our bicycles. Write today.  
MEAD CYCLE CO., Dept. G265, CHICAGO





CHAMPION WHITE WYANDOTTE MALES HEADING BREEDINGPENS IN THE YARDS OF CHAS. V. KEELER, WINAMAC, INDIANA, U.S.A.



## HOUDANS AN EXCEPTION.

By I. H. Smith, Sewickley, Pa.

**T**HE true fancier's ambition should be to combine in his breed or individual family the greatest number of commercial and popular characteristics of our many varieties. When he accomplishes this purpose he produces an exception which is the most valuable fowl for you.

Let us accept the classification of poultry as outlined by the United States government in their Bulletin on Varieties. You will find four general classes. The egg breeds, which are non-setters and layers of white-shelled eggs, are best illustrated by the Minorca, Leghorn and Hamburg. The utility breeds, or general purpose fowls, comprising Rocks, Dotts, Reds, Orpingtons and similar valuable varieties, are, with the exception of the Houdan, very persistent setters and layers of brown-shelled eggs. The meat breeders, such as the heavy Brahmas, Langshans and Cochins, are similar to the utility class, for they also are persistent setters and layers of brown-shelled eggs. The last class of ornamental varieties can scarcely claim any distinction over the Houdan.

are hard to confine, and by reason of their large combs and light feathering do not take kindly to cold weather, when fresh eggs bring such a premium. The extreme tameness of the Houdan, a valuable breed characteristic, seems to work more to their particular advantage than any other feature, for in addition to their being so easily confined and well adapted to large and small flocks they are hard to disturb, and in this way convert the wasted energy of the other non-setters into eggs and at the same time maintain flesh that rivals any fowl for quality and profit. These are not the only characteristics of economic concern, for they have an ideal shape for a layer and their chalk white eggs compare quite favorably in size to those of the Minorca, which as a class is credited with laying the largest egg. It is thought by some that the length of a hen's back is in proportion to the size of her eggs. The Minorca and Houdan appear to give this rule some grounds for support, and at all events it is evident that shape has much to do with the size, quality and number of eggs.

The Houdan is the only non-setting white egg-laying variety in the utility class and, like most of the others, she appears to have more lasting qualities for

appear to have winter laying as a breed characteristic, which from all reports seems to be a fact. Although a typical cold weather fowl they seem just as comfortable and profitable in sunny France, their native country, and by some it is thought that their crests also protect them against excessive heat in summer, which accounts for their being so productive at all times.



"I'M HUSKY."

They are not a little bit like Houdans at first, but are husky little, lemon and black fellows that grow like weeds.



Now consider the relative value of the Houdan as an exception to all varieties. The profit in poultry seems to favor the egg breeds and the production of eggs. The Leghorn, with her Mediterranean sisters and the Houdan, do not stop laying to set, and as their eggs are white-shelled they are in demand at all markets, and in many cases secure a premium, for they are uniform in color. Some do set, but I know of none that are less inclined to get broody than the Houdan or any that are capable of producing more eggs and at less cost, for like the other white egg layers Houdans are great foragers, energetic rustlers and light feeders. It is indeed disappointing to learn that our commercial egg breeds have their disadvantages. On account of their nervous disposition much of their energy is wasted, particularly on the range and in large houses by their running around and quarrelsome habits, which also makes them hard-meated and poor table fowl. They

eggs than the egg breeds. In fact, all things considered, I think a Houdan hen more profitable after her pullet year than any pullet in producing eggs. Size, small combs and heavy feathering appear to assist these hardy utility varieties towards a heavy winter egg yield, and in this respect Miss Houdan is extremely well favored, for her small "V" comb, often entirely covered by the attractive crest of a well-bred specimen, is a great protection. The head and face of a bird appear to be their most delicate parts, and the wattles, like combs, seem to act unfavorably, like a barometer for trouble, with sudden changes and cold weather. The odd muffs around their faces and pendant beards covering small wattles seem to do more than balance and set off the beautiful Houdan crests to advantage. On account of their heavy feathering, unusual vigor and strength, it is not to be wondered that such fowls as the Houdan, Brahma, Langshan, Red and Orpington

The Houdan rivals the meat breeds for profit and quality in meat. Like the other popular utility varieties their size is more commercial and suitable for one's table, the Standard weights being: Cock, 7½ pounds; cockerel, 6½ pounds; hen, 6½ pounds, and the pullets, 5½ pounds, which are just about right for one meal, and I know of no fowl that reaches a broiler size quicker and at such a low cost. They are quite deceiving in their weight, appearing rather small at first glance, but on taking into consideration their long, broad backs, deep keels and full round breasts, affording an abundance of fine-grained choice white meat, you can readily see why they are so heavy for their size. They also have very small bones, and the French people say dress with less waste than any fowl, which is a direct contrast to the large-boned, heavy meat breeds, and, of course, it is cheaper



HOUDAN HEN.

A Madison Square winner in 1913. Owned by Houdan Yards, Sewickley, Pa.

to grow flesh than bone and decidedly more palatable. The Frenchman may aptly be called the epicure of the world and his choice is the Houdan and crosses from it, and for this reason they are raised in such large quantities in France, one of the most progressive countries for poultry. Economic features are given more thought in Europe than in liberal



America, but as poultry keeping is getting on a better business basis here the low cost of growing and maintaining Houdans per head should command more attention. They mature and lay early like Leghorns, but do not become hard meat, and here we have in an old-established variety the advantages we are constantly striving for in the new breeds.

As to their beauty, this depends on the point of view, but at all events they certainly are distinctive and original on a large farm or country place, with their nodding crests, excellent shape, neat appearance and rich combination of color. There is just enough difficulty in producing a clear, glistening white mottle at the end of every fifth black feather and evenly distribute them over a beautiful green-sheened black plumage to arouse the intense interest of the fancier. Their white legs, slightly mottled with black,

are rather short and they have the distinction of possessing a fifth toe, which is detached from the others and curves gently upwards. The color of their legs and their white skin may be said to be a disadvantage in our market, which has not entirely overcome the prejudice for yellow legs and skin, but the same might be said of other choice fowl, such as quail, turkeys and guineas.

It is fortunate that the Standard is severe on shape, so in most cases the vigorous clean-cut show specimens are the best utility types. In fact here in America the model Houdan proves a much more attractive bird than the French Standard, particularly in size, shape and comb, without losing any of this old-fashioned French fowl's economical characteristics, which pronounce it such a valuable exception to all varieties.

## THE HOUDAN AS A UTILITY FOWL.

By Dr. G. G. Billman, Evansville, Ind.

THERE are a great many people, who believe the Houdan to be nothing more than a beautiful bunch of feathers and that the breed, as a breed, possesses no merit other than that. Now my dear reader, if this is your opinion, I want to inform that if you were ever mistaken in your life, you are mistaken in this.

The Houdan, is one of the oldest breeds of chickens, is strictly a French fowl and to those who are familiar and have watched the ups and down of this breed, will agree with me that they have certainly had their share of bad treatment.

I believe the Houdan to be one of the best utility chickens on earth and am going to try to show you why I say this.

The Houdan is a beautifully mottled bird, with the majority of its feathers black, bearing a lustrous green shine, with the tip of about one feather in

## Popularity of White Orpingtons

By Aldrich Poultry Farm, Columbus, Ohio.

IT has been freely prophesied by a great many breeders that the White Orpington demand would fall off and that they would not continue to enjoy the great demand in the future which has been theirs in the past. But we find exactly the opposite to be the case. Our business this year has increased by leaps and bounds, not only for high-grade exhibition specimens but for good utility stock, and the reason for this is very apparent. We lay it all to the great utilitarian value of this wonderful breed of birds. It is true that anything can be sold by judicious advertising, whether it be of much merit or not, but it always costs more to make the first sale than you realize from the expenditure.

Now, if the article has real merit the buying public will keep up its purchases, and on account of this real merit the White Orpington will continue its popularity. In the hands of the amateur as well as the expert, these birds have proved their merit. We have had many visitors on our farm during the coldest months of the winter, who have come out of curiosity to look over the birds. It is always our pleasure to take them with us on an egg-collecting tour, and when they see us gathering in large basketfuls of eggs it is no trouble at all to convince them that they really need a pen of these magnificent layers.

We sold six pullets to the principal of one of our public schools, who had never had any experience before with chickens, and he reports to us since early fall, when he purchased them, he has had an average of five eggs a day, which gave them all the eggs they wanted for their own use and that occasionally they had a dozen to sell to their neighbor, who had twenty or thirty chickens of other breeds and was not getting an egg.

Now, gentlemen, as long as we breed these birds so that they will maintain this high utility value, they are going to increase in popularity from year to year, and we confidently believe and predict that the time is not far distant when every farmyard throughout the country will have a flock of these birds and that they will gradually displace the mongrels now owned by so many farmers.

The man or woman that gets busy and raises some really high grade birds

that are true representatives of this breed is going to have a ready market for them for years to come, and at a remunerative figure. It is true that he is not going to be able to send out anything that has white legs at a big figure, on account of any past reputation he may have, but if he delivers the goods and gives each and every customer good value for their money, he will continue to enjoy the patronage of his old customers from year to year, as well as the new business that will naturally come his way.

Now, in proof of the foregoing statements we wish to state that our demand for eggs and stock during the month of February, and so far into March, has



First Rose Comb R. I. White cockerel, Chicago, 1911.

been far beyond our highest expectations, running over \$3,000 for February for eggs alone, and nearly half that amount so far into March. So you see that the buying public is still interested in securing high grade eggs, with the idea of improving their strains. Now, anyone who breeds these birds right, shows them right, advertises them thoroughly and, above all, gives his customers value received, will continue from year to year to increase his business. What one farm has done you can do if you get started right and keep everlastingly at it.



First Rose Comb R. I. White hen, Chicago, 1911 and 1912.

five a positive white. For a city backyard fowl, this color is in their favor.

As for size they are neither too small or too large, being the happy medium between the large and the small breeds. The Standard weight being, cocks seven and one-half lbs.; hens, six and one-half lbs.; cockerels, six and one-half lbs.; pullets, five and one-half lbs. Thus you see there can be no fault to find as to size.

Quality of their meat.—It is of the richest and most delicious of meats. It is quite common that every breeder of every variety of fowls, say the same thing about their respective breeds, but here is what the French people say (and they are the highest livers on the globe and should be competent to judge). "Give us the Houdan, they are the finest table fowl we know." (Get one and judge for yourself). The color of their meat before cooking resembles very much that of frog meat.

For hardiness, they certainly cannot be excelled. As proof of this, I want to state that one of my farmers, whose name is Walter Vann, Outer Lincoln Ave., Evansville, Indiana, (write him if you wish), has been raising Houdans for me (as I have all my birds raised on the farm), said, "They are the greatest foragers I ever saw." Being



great foragers and constantly up and doing, I believe is sufficient proof that they are one of the most hardy chickens.

Another reason why the Houdan makes one of the best backyard fowls: They are easily confined, can be kept inside a four-foot fence and stand confinement most excellent.

Again, the Houdan is an absolute non-sitter, the backyard poultryman is not compelled to be constantly annoyed with having a broody hen and a broody hen does not produce eggs, usually the very thing the backyard poultryman is feeding them for.

As to egg production, I believe there is no best breed, but that many of the leading varieties that have been bred for egg production, will produce about alike, under like conditions. But as a cold weather layer, it never gets too cold for the Houdan, as she has a very small comb to begin with and that is protected by her beautiful crest, which Miss Houdan so gracefully carries. Their wattles, although very small are entirely hidden by the beard. So the Houdan has no head gearing to become frosted and being a very heavily feathered bird, she seems most willing to shell out the eggs during the zero weather. As to the size of the egg, the Houdan lays the largest of any breed of chicken, save that of the Minorca.

Color of the Egg.—Now here is the pole that knocks the red apple. Boy, if you are thinking of engaging in the chicken business, don't fail to get a breed that lays white eggs. The producers of brown eggs are getting scared, you see it on every hand and many are the articles that are being written and headed, "Why are the Brown Eggs Better Than the White?" "Let us Boost Brown Eggs." The brown eggs this, and the brown eggs

that. Why, I even saw an article a few days ago where a certain brown eggs man was appealing to his fellowmen and amongst his other sayings was this: "Boys, something must be done to save the brown egg." Why all this commo-



"International" first prize S. C. R. I. Red cockerel, Buffalo, 1913. H. W. Alt. 87 Fuller St., Buffalo, N. Y.

tion about the color of an egg? The fact of the matter is this, that white eggs is played in great favor in many of the markets. Many and many are the housewives who will have nothing but the white egg.

The growth of the young chick must also be taken into consideration. I believe there are few of any breeds of

chickens that will produce chicks weighing a pound to a pound and one-half, any quicker than will the Houdan.

If you don't believe this, get you seven Houdan eggs and eight of any other breed you think will out grow them and set the fifteen eggs under the same hen, allow her to hatch and brood them and see which will produce a pound fry first. You will then be convinced that my statement is true.

My dear reader, there are many other things I could tell you about the Houdan but do not think it proper to take the space at this time, but in the event you are thinking of launching into the chicken business be sure and investigate the Houdan.

#### SICILIAN BUTTERCUPS.

HAVING been a reader of your paper for several years, and being intensely interested in poultry all my life, and the last four years especially in the comparatively new breed of Sicilian Buttercups, I feel as a member of the American Buttercup Club, that this worthy, profitable, and beautiful breed does not get its just mention from the different poultry papers and from the breeders of this valuable fowl.

If more prominent breeders of other varieties would but test the sterling qualities of the Sicilian Buttercup, both from the fancy and utility standpoint, it would be but a short time when they would be raised as extensively as any of the older breeds now in existence. Different varieties of the Mediterranean class are styled as non-setters, while this is true to a certain extent, there is but one breed in existence today to my knowledge that is absolutely a non-setter, and that is the Buttercup.

As before stated, I have bred them four years, and in that time have never



Breeders like these produce "baby chicks of quality" for R. C. Caldwell, Lyndon, Ross Co., Ohio.



known one to be the least bit broody. While this is a great advantage in their favor, they possess many more just as important. They are very gentle and docile, in fact full as much so as either the Plymouth Rock or Wyandotte, and do perfectly well when confined to small runs.

In size they are a little larger than the Leghorn and make excellent broilers, as they have more meat when dressed for market than any other breed their size, with a breast as plump as a partridge. As to their laying qualities, no breed can outlay them as they lay practically all the time even through

and breast and fluff a lemon color, which makes them very pleasing to the eye. To fully admire and appreciate them one would have to see them, and once seeing them you could tell them as far as you could see by the carriage and shape of the comb. Our club secretary, since the organization of the American Buttercup Club this year, has received over 1,200 inquiries for stock and hardly any for sale up to the present time.

I am not as large a breeder of this breed as I would like to be as I have not the room, but what I have are the best, as I am a believer in quality



PARSON'S POULTRY PLANT  
AVON LAKE, OHIO

White Orpington Cockerel, a Toledo and Cleveland winner. Bred and owned by Parsons' Poultry Plant, Avon Lake, Ohio.

molt, and are especially good winter layers.

They are more profitable than other varieties, for the reason that it takes no more feed to keep 20 Buttercups in good laying condition than it does 12 Leghorns. They lay a chalk white egg of large size, somewhat larger than the Leghorn. The most beautiful and distinct feature they possess is the formation of the comb, from which they derive their name. Starting as a single comb at the bill, it forms in a cup shape on the top of the head with points entirely surrounding it, similar to a buttercup flower, hence their name. In color the male is red or a butterish red, somewhat like a Rhode Island Red, and the female a golden buff on the hackle, lighter shade buff on the back, spangled with black

more than quantity. To prove this, will say that at the Grand Central Palace Show, New York, this season 1912, I won first on cockerel, first on hen, second on cock and fourth on pullet in good competition. I am not writing this to make people believe that I have a lot of stock for sale, for I have none to sell and only a limited number of eggs to sell for hatching. But my reason for writing this article is solely to get more people interested in this grand breed and test for themselves their many excellent qualities. I hope other breeders will write and tell their experiences and opinions and let the public know what splendid qualities the Sicilian Buttercup possesses.

JOHN H. NOSTRAND.

Farmingdale, New York.

## THE BACK TO THE FARM MOVEMENT.

By Wm. P. Gerst, Alton, Iowa.

The "back to the farm movement" is a much talked of question of today. Looking at it from one point of view the discussion is all right, still, on the other hand, it is quite absurd, for I believe, as one of our contemporaries whose name I cannot at present recall, said recently, that the cry should be, "Remain on the farm, young man," instead of "Back to the farm, young man." Why this statement? Many a young man leaves the farm to work in the city, for he is told there the hours are shorter, better wages are paid, pleasures are greater, and so on. So, with a nice wad of money earned by diligent work on the farm he soon is on his way to the city. He soon gets a job, get acquainted with a number of young men, and after the day's



Typical White Indian Runner Duck as bred by Mrs. U. R. Fishel, Hope, Ind.

work is over with they find a thousand and one different ways of spending their hard-earned money. The bank account he took with him from the country diminishes, and he soon finds himself entirely dependent upon his monthly wages and not able to lay up a penny for a rainy day. When on the farm he was told that he could earn from \$45 to \$60 a month in the city. This, with the assurance of shorter hours, looked better to him than \$35 on the farm and longer hours. Little did he think that in the city \$60 a month does not include board, room and washing, so he finds himself running short. He is not able to lay aside a certain amount as he did on the farm. He gets accustomed to the pleasures of city life, and ten chances to one he will never feel disposed to go back to the farm again.

Therefore, let us strive to make our farm life attractive for our young generation. The young man should be given a chance as soon as he has finished his high school course. Give him a few hogs or cows of his own. Let him pocket the money of his produce. It frequently happens that the boy is presented with a pig or calf, and when ready for market his illustrious sire will sell the boy's pig or calf and place



the cash to the credit of his own bank account. The boy cannot help but feel disappointed and be inclined to get disgusted with farm life, and go to the city as soon as the opportunity offers itself. Can we blame him? No, indeed not. Let us look up the history of most all the large breeding establishments in this country, and what do we find? The young man, having completed his college career, goes back home onto the farm where he is taken in as a member of the firm. He at once feels a responsibility resting upon

his shoulders. He gets busy with a determination to do all for his firm he can, and he succeeds in life. Upon the death of the father, the sons are able to proceed with the management of the farm and herds. The father gives them his experience and this, combined with the things learned at school, make them well fit to manage the business left them by their father. Sometimes the farms are divided, each child receiving its allotted share, but the young people remain on the farm. Does this sound different than the saying "Back

to the Farm?" It certainly does. Fathers, do not be too conservative with your children. Having arrived at the proper age, give them a chance. It will certainly be appreciated by them. It will stop the great movement of young people from the farms to the cities. By dividing the farms and every individual working a smaller place, intensive farming will be practiced, in consequence of which the yield per acre will be increased, and we will soon be better able to feed our fast increasing population.



**"ROYAL BLUE" FIRST PRIZE SWEEPSTAKES CHAMPION COCKEREL AT MADISON SQ. GARDEN, NEW YORK 1911-12. BRED AND OWNED BY A.C. HAWKINS, LANCASTER, MASS.**





A FLOCK OF LAYING HENS ON THE NORTHERN PACIFIC POULTRY FARM

### NORTHERN PACIFIC POULTRY FARMS.

The farms are located at Kent, Washington, 15 miles south of Seattle, in King County, along the route of the Great Big Baked Potato. The farm is known as the N. P. Dairy and Poultry Farm, under the management of Mr. Phillip F. Ponssen. Mr. Ponssen and his family reside on the farm in a modern two story residence of 14 rooms. The house is sanitary in every respect, has running water (hot and cold), electric lights, bell service, steam heat, etc. The house is situated on a beautiful green lawn 300 ft. square. The lawn is kept beautiful, and roses as well as other seasonable flowers blossom the year round. The entire farm covers a tract of 60 acres of land, with an additional farm of 120 acres rented for the purpose of raising young stock.

Directly back of the residence is located a laying house 450 feet by 16 feet which accommodates 1,500 laying

fowl. Connected to this is a park 450 feet by 150 feet—in orchard. Then following this building is another two-story building 40 feet by 60 feet, the lower portion of which is used for packing, storage, etc., while the upper floor is used for storing the chicken feed, etc.

There are four laying houses 20 feet by 80 feet on a five acre field, accommodating 3,500 laying fowl. We have numerous colony houses used for the purpose of maturing pullets. On the south side of the house there are four brooder houses, 20 feet by 60 feet, each with parks; also one concrete incubator cellar, 20 feet by 60 feet.

From the poultry end of it the egg production varies according to season, but the general average is 150 dozen eggs per day; 10 dozen broilers per day, and four dozen fowl.

Method of feeding. The fowls are fed on the hopper plan, each division contains a hopper capacity of 400 pounds of cereal, consisting of bran,

shorts, middlings, oat middlings, corn meal, alfalfa meal, beef scraps, oyster shells and charcoal. However, the broilers and fowl are fed exclusively on milk, and the watering of the fowls is automatic, giving a constant flow of fresh spring water through the various parks and houses at all times.

The eggs are collected twice daily, and a perfect record kept of each house, and then taken to the packing house, where they are candled to insure perfection. Having been candled they are then stamped and packed in single dozen cartons, then placed in 30 dozen capacity cases and expressed to the commissaries.

The broilers and fowl are kept in special fattening pens where nothing but milk and corn meal is fed them. They are slaughtered and dressed on the farm in a specially provided cemented and thoroughly sanitary slaughter-house, and from there are taken and packed in boxes containing one dozen of each, and then taken to re-



SOME OF THE BUILDINGS ON THE NORTHERN PACIFIC POULTRY.



frigerating rooms, where an even temperature of 30 degrees is maintained. After remaining in the cooler for 24 hours they are then shipped to the commissaries.

The incubating capacity is 5,500. In the brooder houses up to this last season individual brooders have been used, but a change will be made to the oil-burning stoves, each stove taking care of 1,000 chicks. Through this system a larger amount of chicks can be handled with less labor and less danger.

The farm specializes on White Leghorns exclusively, finding that the White Leghorns are not only recognized as the best egg-producers, but a White Leghorn 1½-pound broiler is the first word in a perfect table fowl. All poultry and eggs used in the hotels and dining cars of this company are secured from this farm. Tourists to the Pacific Coast should not fail to visit this farm. —J. Brinkama.

### BELGIAN CAMPINES.

As a breeder of Belgian Campines, the greatest egg machine in the universe, I hereby make a strong protest against the numerous misstatements concerning them made by breeders of the so-called "Improved Campines." The breeders referred to when they started to boost their birds could not say anything too good about the Belgian Campine when using that bird's reputation to boost their own cross-bred fowl, thereby deceiving the public into believing that the laying reputation of the Belgian bird applied to the laying reputation of the "Improved Campine," whereas in reality the laying reputation of the Belgian bird no more applies to the laying reputation of the "Improved Campine" than the table qualities of the pure Barred Rock applies to the table qualities of the Hamburg-Rock-Leghorn cross. When these breeders thus established a false reputation for their birds at the expense of the Belgian Campine, they then began making false statements about the Belgian bird (it having served their purpose), with the object in view of trying to discredit it with the public, for fear its merits would become commonly known and thus deal a death blow to their own four-flush breed. They need not have gone to the trouble of trying to discredit the Belgian Campine, however, because the "Improved Campine" will do that. The "gullible public," so often referred to by these boosters, will become so disgusted with even the name of Campine after it gets a good dose of "Improved" birds that it will be long in recovering from its effects and be suspicious of the Belgian bird notwithstanding its established reputation.

When "Improved Campines" were first exhibited in this country, their breeders advertised through circulars, pamphlets and the poultry press, and went on to state that their birds were a cross between the little Belgian Campine (a white neck, white and black

barred body bird weighing less than three pounds, and bred on the La Campine district of Belgium) and the big Brackel (a white neck, white back and barred body bird, weighing about five pounds, raised on the more fertile sections of Belgium), and that the blending of these birds together, without any other cross, produced the "Improved Campine." They then went on to further state that the climate of Belgium is extremely cold and severe in winter and extremely hot in summer, and for that reason their birds would do well in any climate. They cited the wonderful laying reputation of the Belgian bird as applying to their own breed.

The statement concerning the make-up of the "Improved Campine" has no

tain very little Campine blood; so little, in fact, that in breeding for weight and color their originators used blood foreign to the Campine-Brackel (the same bird), thereby sacrificing the laying qualities and energy of the cross produced. The listlessness of these birds in strong contrast to the unequaled activity of the Belgian bird in itself should convince anyone that there is no relationship between them. In some cases, however, these boosters have crossed the pure Belgian bird with the "Improved Campine" and got a fairly good, active bird and layer from the cross.

"Improved Campines" are existing solely on the reputation of the Belgian Campine. They have no reputation of



One of the Long Laying Houses on the Northern Pacific Poultry Farm.

foundation whatsoever, for the reason that there is not a particle of difference between the Campine and the Brackel, including type, size, color and weight. The only difference, if it may be called one, is in the name. In some parts of Europe, including Belgium, these birds are known as Campinose (French for Campine), and in other parts of Europe, including France, they are known as Brackel. Some foreign breeders advertise them as both Campine and Brackel, simply because they are known under both names and not because there is a distinction between them in any other particular. These native Belgian birds average about 2 pounds 10 ounces in weight.

From the above the most simple-minded person can easily see that these so-called "Improved Campines," whose weight averages around 4½ pounds, con-

their own, and have never demonstrated in public that they are even a fair layer. On the contrary, I know of instances where these four-flush birds have been tested with a view to using them on commercial egg farms if they proved to have any merit, and have been found to not compare with other breeds kept on the farms referred to as far as their laying qualities are concerned. I have a letter before me now which I recently received from a commercial egg farm at Silver Springs, Md., where thousands of layers are kept, stating that the proprietor had spent big money in buying "Improved Campines" from several breeders prominent in poultry circles, only to find the birds a failure. To use his own words, he says, "They are very listless and worthless as layers."

I also wish to emphatically state that

**R. C. CALDWELL** Ships Baby Chicks of Quality on short notice. See ad on page 653

**EGG PRODUCERS**—If you want eggs buy Fishel's White Ply. Rocks

**DE VOSS' COLUMBIAN PLYMOUTH ROCKS**

Winners Memphis, Tenn.; Boston, Mass.; Pittsburg and Cleveland. Eggs from best exhibition matings, \$5.00 per 15. Utility matings, \$3.00 per 15. Express charges prepaid to any express office in the United States. Circular free. Lee W. De Voss, Box 1293, Greenfield, Ohio



the Belgian bird does not lay a small egg, as these boosters would make you believe. On the contrary, there is no breed which lays a larger egg. I have many birds on my farm laying eggs weighing over 2½ ounces and stand ready to back up this statement. In this connection, however, I want to say that when I refer to Belgian birds I mean the native Belgian Campine, such fowls averaging about 2 pounds and 10 ounces each in weight, and not to the so-called "Belgian Campine bred to the English Standard," and which weighs 4½ to 5 pounds, and which is really no more Campine than the "Improved Campine."

In closing, it will not be amiss to state, in connection with the judging of Campines, that the recent criticisms made against judges for giving preference to Belgian Campines over the "Improved" variety in awarding prizes at shows is unjust and officious. These judges would have acted properly if they had disqualified every so-called "Improved Campine" on exhibition, because such birds are no Campines at all and are not entitled to entry as such. The judges made their awards according to their ideas of merit, and deserve credit and not censure for not allowing individuals or any organized body of individuals to influence their decisions because such persons happen to breed "Improved Campines" and would like to make obsolete, if they could, the original, legitimate and only breed of Campines—the Belgian bird.

These persons should understand that the general public does not take kindly to their bulldozing tactics against poultry judges; nor do they take seriously their assumption of authority, guardianship or dictatorship over the destiny of the Campine.

The Belgian Campine stands on its own reputation as a layer and not on the reputation of some other breed like its illegitimate namesake does; and the

time is not far distant when the little Belgian bird will take the place of other breeds on the big egg plants of the country on its own merits alone, while the "Disproved" "Improved Campine" will be, together with its boosters, in the category with Dr. Cook of North Pole "fame." Yours for a square deal, Brookland, D. C. C. D. Holden.

#### CARE OF LITTLE CHICKS.

THE time is here when all of us are thinking about our chickens and so anxious to get busy, or rather have biddy get broody, that is my greatest worry and I find most people that want early chickens have the same trouble and have to turn to the incubators for help. I know I do. I'll not say anything about artificial incubation in this article.

I raise all of my chicks without the hen and prefer the fireless brooders if climate is not too severe. Even when hatched by a hen I raise them without the hen. When chicks are first hatched and entirely dry I put them in a warm lined basket or box, cover them snug and let them rest and sleep for 72 hours, as they require no food during that length of time. The first feed I give them is hard boiled eggs. I use the infertile eggs I have tested out ten days previous to the hatch. Crumble the boiled eggs very fine. Mix with corn meal and powder black pepper and give to them. I warm the drinking water, just taking the chill off, and add 4 grains of sulpho carbonate of zinc to the quart and give them. The zinc cleanses the intestines and is a fine preventive of diarrhoea. I have used it for quite a while and lots of my friends have, and have been free from the diarrhoea. Be sure not to let the little fellows get wet. I use a saucer or sauce dish and set a glass or cup in the middle of it. I remember my first hatch. I put them all in

a low box and put feed and a jelly tin of water. Set them in front of the grate and went on with my housework. When next I went to see about them about 12 or 15 were as wet as water could make them and nearly all of them died.

The second feed I add corn meal to their bill of fare and the third on fourth day I give the wheat bran and chick feed. I get the cheap cracked rice from the grocery store, boil it good and done, sprinkle with common or nut meal and feed that to them about once a week. Irish potatoes, boiled or mashed, are good for them, also raw onion. Lettuce leaves are fine, too, if you can get them. The chick feed is always fed in a litter or short straw cut fine and the exercise they get scratching for the tiny grains is good for them. I keep the bran before them all the time and place the zinc in the water until they are 10 or 12 weeks old. Their quarters must be kept very clean and don't put too many in one brooder or coop, for they crowd and the weaker or smaller ones are trampled down or pushed around and smothered. It requires so little heat for them and as they grow the heat should be decreased, for there is lots of warmth in their little bodies. I learned that from experience by losing so many, and the greatest temptation, I think, is to try to have a great number and so many of us have more than we can take care of right. There are so many little things to see to all the time they can not be neglected at all. I have had bowel trouble, from too much heat, too little heat and from suddenly changing from one kind of feed to another. There are so many evils to watch one has to be on the alert all the time. I stick to the above until they begin to eat wheat, and with wheat they find their crops are usually pretty full by night and they do grow so fast.

## EGG PRODUCERS—If you want eggs buy Fishel's White Ply. Rocks

# Oculum

## = A SELLER =

Say the I. W. Scott Co., a leading jobber of Pittsburg, Penn. After handling OCULUM for over one year, they bought fifty gross (\$2,400.00 order), and are getting many repeat orders, and have not been called upon to refund for a single bottle.

"OCULUM" decreases "Setting" half; increases eggs; cures sick fowls (whether you believe it or not), increases fertility. Cholera, White Diarrhoea, Roup, Canker, Sore-head and Black-head no longer feared by OCULUM users.

At your dealers, or if skeptical, make us prove it by ordering a dollar bottle direct from us on thirty days' trial.

#### ADDRESS

**OCULUM, Box B, Salem, Va.**

## OCULUM

Has over one thousand distributors. Every State in the Union contains from two to fifty. Here are a few:

Ala.	Gorman-Gammill Seed Co.	Birmingham
Cal.	Germain Seed & Plant Co.	Los Angeles
Col.	Barteldes Seed Co.	Denver
Cuba	R. H. Sanford	Havana
Ill.	Vaughan Seed Co.	Chicago
Ind.	Petaluma Inc. Co.	Indianapolis
Ia.	Torbert Drug Co.	Dubuque
Kan.	McPike Drug Co.	Kansas City
Me.	Kendall & Whitney	Portland
Md.	Griffith & Turner	Baltimore
Mich.	Ferrand, Williams & Clark	Detroit
N. Y.	Cyphers Incubator Co.	New York City
N. C.	W. H. King Drug Co.	Raleigh
P. Rico	A. K. Ackley	Rio Pedras
Ohio	John D. Park & Son	Cincinnati
Pa.	Henry F. Michell	Philadelphia
R. I.	Providence Seed Co.	Providence
Texas	El Paso Seed Co.	El Paso
Tenn.	Dan C. Wheeler & Co.	Chattanooga
Va.	Lewis Hubbard & Slack	Norfolk
W. Va.	Lewis Hubbard Co.	Charleston
Wash.	Spokane Seed Co.	Spokane
Wis.	F. A. Tecktonius	Racine



## THE ALDRICH POULTRY FARM.

Just beyond the city of Columbus, and within sight of the dome of Ohio's state capital, lays "Maplehurst," the Aldrich home, and the seat of the Aldrich poultry farm. We had traveled many miles to visit this farm, it was our ambition to see it for its admirable location, its beauty, and the records of the Aldrich White Orpingtons, brought it fame, and wherever we went, we were asked if we had been there, and for our opinion of their birds. Withal our interest grew, and at our first opportunity we made it a point to call, and now after seeing it all and meeting the Messrs. Aldrich at their own home, we can well say that we are very glad we went, for we found much to interest us in both men and birds.

As we entered the dooryard and walked under the giant maples up to the home, we tried to imagine just what this place would look like in June, when nature is at its best. No season can dim its beauty, but in summer, when the trees are in leaf and the shrubs in bloom, with the 400 feet of lawn in front of the house, one can imagine it a haven, where any nature could find contentment.

Meeting Mr. W. R. Aldrich, we were ushered into the office quickly to be joined by Mr. O. W. Aldrich, and by Mr. L. Rawnsley, the superintendent. Chicken was the general subject, and we have got our first insight and formed our first opinions of what was before us to see, and what any man can expect in dealing with these people. Unhesitatingly we recommend them. Their every care and desire is to well please every customer, and, dear readers, they have the quality to do it with. No man can deal with this farm without getting satisfaction and full value every time.

In charge of Superintendent Rawnsley we left to make the rounds of breeding pens and our way first led down to the double colony houses. Each side opens into a large grass covered park. They are of the open front order and each has two pens about 12x16. These are ideal buildings, with the chicks busy and happy and in every coop we entered we saw eggs in the nests.

It would take pages to describe the birds as we have seen them here, so we will content ourselves by writing from our notes and giving special mention to features as seen and noted.

Heading pen one was "Snow King," in truth and in fact a marvel in pure, sound white plumage, a bird of the best type and style, well carried and stands strong. First prize winner at Chicago, December, 1911, in a class of 42 cockerels, mated to six hens, all true Orpingtons, good in front and back, great size and the best of condition.

In pen two we found just our ideal in the male and females and think this one of the grandest pens of birds we have ever seen. In mating and all-round high quality it is a beauty. Headed by "White King," first cock, Chicago, December, 1912. He stands clean, with legs well set. He also won cup for champion male in class of 85. Well he deserves all he got and more. His kind are as scarce as the 1804 dollar, and there are only three of them known.

Madison Square Garden, New York, flavor is found in pen four, headed by "White Champion," the cockerel in their first prize New York pen, Dec., 1912. He also won first at Allentown and the futurity special, and at Atlanta won first and sweepstake special for best cockerel in the show. With these records he requires no special comment from us. He has eight selected mates, each a gem in color and of the best possible form.

The male in pen five is their first Cleveland and Baltimore cockerel, 1912. Positively snow white, comb well set, strong red eyes, a beauty bird, grandly mated and one of the very best. Six of the eight females here match up perfectly in size and shape; the other two are very choice and with a mite longer backs.

In pen six is another New York winning male, and while a very large bird he has the true Orpington type, well carried. Very handsome females here, also of grand size. Pen seven, another winner at Chicago, Pittsburg and Baltimore, mated to classy hens, half of which are winners of note and the balance from winning lines.

Heading pen eight is as white a bird as we have ever seen and a royal good male. He stands and carries fine, great head, one of the kind of birds bound to attract. He also has won his honors and as mated here promises much for the future. In pen nine the male is an English winner, besides winning at M. S. Gardens, New York. While we admired this male for his grand all around quality, we still believe that in this

## CHERRY REDS ARE WINNERS

EGGS from four fine matings. Pens headed by 1911-12 winners. Do it now—place your orders for eggs at \$5, \$8, \$1.50 per 15 eggs. Do it now—drop a card for mating list.

ERNST F. BIRKHOFF Single Comb Rhode Island Reds WILLOUGHBY, OHIO

## Baby Chicks

**Crystal White Strain.** The better bred chicks. Healthy stock bred for heavy egg production. S. C. W. Leghorns, White and Buff Plymouth Rocks, R. I. Reds, \$10 to \$20 per 100 chicks. Safe arrival and satisfaction guaranteed.

Crystal Hatchery, Box A, Frenchtown, New Jersey

## MUNTZ'S S. C. WHITE LEGHORNS

win again in hottest competition, Chicago, Springfield and Elgin. Eggs from pens headed by these noted winners: \$3, \$5, \$8, and \$10, per setting of 15. Bred to lay, utility, \$1.50 per 15, \$2, per 30. Choice breeding stock at prices that will be of interest to you. If you want birds of quality, or eggs for hatching, write me, I can supply you. Satisfaction assured. My mating list is now ready, send for it.

HARRY A. MUNTZ 565 SPRING STREET ELGIN, ILLINOIS

## SINGLE COMB

## A Wonderful Female Line

Have been working for years to improve the color in females, and now have a line that will produce a large percentage of very dark even red pullets that hold a good red even color as hens. My birds won at Philadelphia, New York, Altoona, Pittsburg and Buffalo. I bred every female shown in five years. Mating list free.

ELLIS S. SHELLY

BOX 2436 :: WILLIAMSBURG, PENNA.

WE  
GUARANTEE  
SAFE DELIVERY  
DAY OLD  
CHICKS

215  
EGGS  
A YEAR

WE  
GUARANTEE  
TO REPLACE  
ALL INFERTILE  
EGGS

A flock of 31 Pullets grown from our Chicks averaged 215 Eggs a year in the hands of a customer—an amateur.

READ OUR NEW BOOKLET—FREE—AND  
LEARN OF THE PROFIT PAYING FOWL  
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MODERN SUCCESSFUL POULTRY FARMING  
WITH

MOUNT PLEASANT FARM  
SINGLE COMB WHITE LEGHORNS  
BRED-TO-LAY

DAY OLD CHICKS EGGS FOR HATCHING  
500 COCKERELS 2<sup>nd</sup> EACH  
MOUNT PLEASANT FARM—M<sup>T</sup>POCONO, PA.



# TALK TO SKINNER

About those Standard White Wyandottes that you want, and eggs for hatching.

F. E. SKINNER

SANDWICH, ILLINOIS

OCULUM decreases "setting" one half; increases eggs, cures sick fowls, increases fertility.

At your dealer's, or if skeptical, make us prove it by ordering a \$1 bottle direct on thirty days' trial.

Address—"OCULUM," Box B, Salem, Virginia

Send this ad and save your chickens and get lots of eggs.

## STONE STREET WHITE ORPINGTONS

My birds are up-to-date. In five representative shows—Nashville, Paducah, Shreveport, Columbus, Ga., and Louisville, I took in all 83 prizes, including nine silver cups, specials, etc.

Some fine individuals still for sale. Also a few pens first class utility stock.

Eggs, \$3.00, \$5.00, \$10.00, \$15.00 and \$20.00 per setting of fifteen. All infertile ones replaced if reported within ten days.

**PARK POULTRY YARDS :** MRS. REGINALD STONESTREET  
GLENDALE, NASHVILLE, TENN.



Best Hen in Whole Show, Columbus, Georgia, 1912.

## Anderson's Barred Ply. Rocks

Winners at New York, Boston, Chicago, etc. Bred in line they have reproducing quality. I breed the cockerel line only and have made a specialty of these for many years. Narrow barring and sharp clean color are the features of this line. I have supplied winners for the best shows east, west, north and south. Write me your wants. Eggs, \$5 per setting. Mating list free.

**E. Anderson, Box 68, Norwalk, Connecticut**

## HILLDORFER'S S. C. BLACK CHAMPION MINORCAS

Sweep the Honors again at Baltimore and Pittsburg winning more prizes than all others combined. They have led the way for 20 years and to-day are better than ever. Baltimore, 1913—In a class of 199 birds they win cock 1-5, hen 2, cockerel 1-2, pullet 1-2, pen 4. Pittsburg 1913—In the richest competition they win cock 1-2, hen 1-4, cockerel 1-3, pullet 1-5, pen 1-2. All Specials and Sweepstake Cup for **Best Hen** in the show. **Eggs For Hatching** from selected matings and including all our winners. Mating list describing our pens for the asking. "Breed the Best" Blood will tell and the "Champion" line is sure to please you.

## Hilldorfer Black Minorca Farm

JOS. P. HILLDORFER, Prop.

GEO. E. NORMAN, Mgr.

**SAXONBURG, BUTLER COUNTY, PA.**



## ONLYA FARM WHITE WYANDOTTES

**High Quality Day-Old Chicks and Eggs**—From twenty carefully mated pens, which contain our many winners at such shows as Madison Square Garden, Grand Central Palace, Boston, Allentown, Augusta, Chicago, etc. Our birds having won at these shows many firsts and specials in the hottest kind of competition. Every bird shown, as well as every bird in our breeding pens, has been raised by us on our farm and banded with our seamless leg band. Chicks, \$1.50 and 30c each. Eggs, \$10, \$5 and \$3 per 15. Breeding and show birds for sale. Cockerels and pullets, \$2 and up. **Write for mating list.**

Chas. Staaff, Manager

Florham Park, N. J.

pen are some of the Aldrich best females. They are screamers in color and form and all with the best of eyes.

"Champion Madison" heads pen ten, and as his name implies, he has twice been a New York winner, a record seldom attained in any variety. His breeding record also is a feature. Well he looks it, for he has all the style with rarest quality, a beautiful bodied bird. Mates are select, all with records, and include the famous hen "Lady of the Snows." If eggs were ever worth more than fifty cents per dozen, and chicken over 20 cents per pound, then this pen and their eggs are beyond price, even if they but produce 80 per cent of their own quality. But as mated we would bank on 125 per cent at least.

Both pens eleven and twelve are similar to others described, with males and females winners (nearly all females). Their line of mating is same as followed in the others and from both results showing quality will be had.

Pen A—By this time our note book resembled a time table with the winnings and shows recorded. Regarding this pen our book says: Excellent quality mating, even, grand eyes and heads; male one of the very best. We did not know at the time that we had got into the \$10 pens and according to our idea we found much to be satisfied with here, as the notes show. There probably is cause in selling these eggs for five dollars less, but we want to be shown. This, like several others that followed, were just as finely mated and with birds of character and strong in vigor, shape and color.

In this line of pens up to pen I the males are all birds with a winning record, and so are most of the females. From one to the other we went, handling many and seeing all, and we were more than gratified with all. We will say right here that we did not think it possible for any one farm to have so many bang-up quality White Orpingtons. There is but one solution, and that is: The White Orpingtons in the hands of such breeders as the Messrs. Aldrich, are breeding true to color and type, and in combs and eyes as well. From a coarse, raw-boned and clumsy fowl they have with in a very few years been improved in all qualities and are today the picture of symmetrical idealization. Straw color and brass are also a thing of the past and forgotten. Why, here I saw upwards of 2,000 White Orpingtons, every one white without a particle of foreign color. The Orpingtons have come to their own. They merit all the breeders can or will claim for them.

In the long house were the five dollar matings, and here it was the same story over, with a winning male and carefully selected females in each. Each pen had from eight to ten females that were very even in type and of extra color with exceptionally fine combs, eyes, etc.

We were just delighted with all seen here in stock, buildings and arrangements and would wish that all interested readers could see this plant as we did. The roomy pens, everything clean and the busy fowls, it all made a picture that appeals to the heart of the poultryman and makes the desire stronger than ever to have and to breed and raise "Better Poultry."

We wound up in the conditioning and sales room and here Mr. Aldrich again joined us. All around this room were a double run of coops with selected birds sold and being prepared for shipment. After looking 'em all over we selected two that greatly pleased us—cockerels with excellent fronts and backs and fine heads. We asked Mr. Aldrich what he had sold these birds for, and when told the price of one was \$25 and the other \$40 we could then see and fully understand the foundation of their popularity among the breeders and the reason for their great business. Those birds were hummers, and if he had told me twice that price I would be willing to prove them well worth it.

Returning to the office we received one of their catalogues and read it through on our way to Pittsburg. It is a handsome book, covering every branch of the business, and in which they tell in their own way of their stock, winnings, etc., and should be read by all lovers of Orpingtons, for it tells their story of growth and success written by the hands that made this farm possible.

As we stood near the office entrance and had a general view of the plant, we were again impressed with its grandeur and size. To the right were the rows of double colony houses, to the left the long laying house, brood coops, etc., straight ahead the orchard with its shady range and hundreds of houses for the growing birds. Yes, indeed, this, in fact, is a "chicken Eden."

To review the stock seen here in a general way hardly seems necessary. Suffice to say it is a wonderful collection

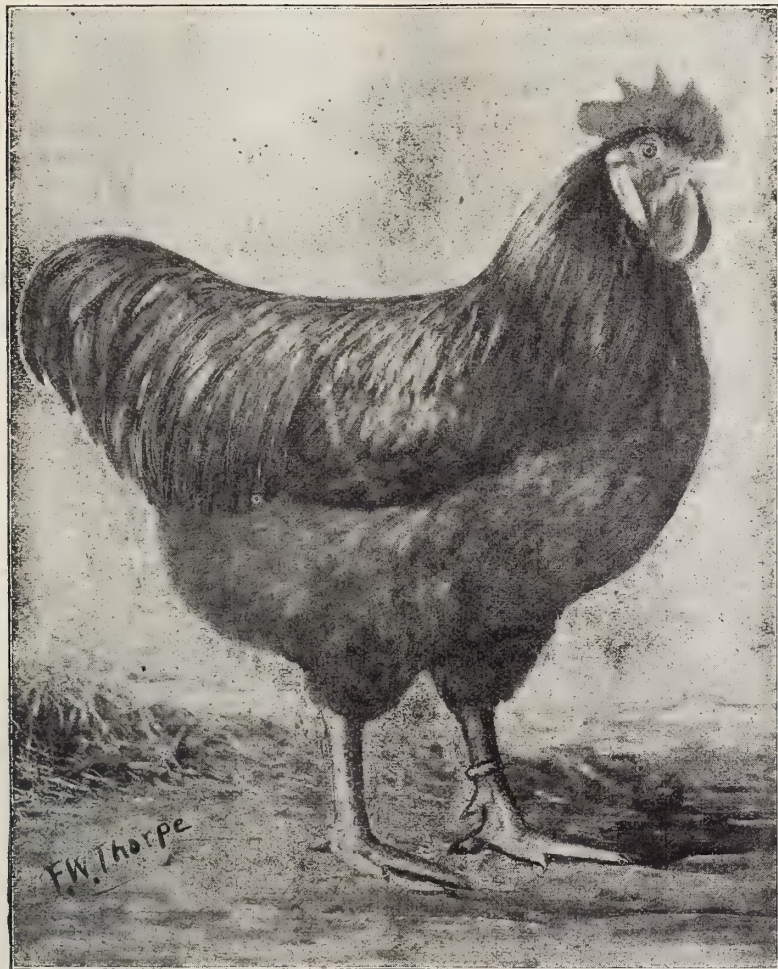


of winners at our greatest shows, and we don't believe it possible to gather another like it, for the records show that in 1911-12 they exhibited at Madison Square Garden, New York, Chicago, St. Louis, Allentown, Indianapolis, Augusta, Baltimore, Pittsburgh, Cleveland, Atlanta, Syracuse (New York State Fair), London, Ont., and Detroit, Mich., and at these leading shows they won as follows:

	1911	1912
Firsts .....	17	31
Seconds .....	18	19
Thirds .....	6	21
Fourths .....	10	13
Fifths .....	6	9
Sixth .....	1	..

Here is the record made in two seasons by the Aldrich White Orpingtons, a total of 151 prizes, regular awards, and

The wonderful achievements in poultry raising in the United States in the past ten years is something to be proud of, for already our yearly egg yield in dollars and cents exceeds the wheat yield and the quality of the stock is improving on about the same ratio as its market price, but the industry is still in its infancy and the young man starting a career would do well to consider its wonderful possibilities at present unknown to but a few. For a great field is here opened to the thoughtful and conservative investor of small means, insuring an easy way to gain a comfortable competence. The first and most essential thing for the novice to learn after selecting his birds is that he must have the best and most sanitary equipment for their care. Chickens, like humans, cannot thrive in unsanitary surroundings or on improper food



Second S. C. R. I. Red cock Chicago, Dec., 1912. Property of W. Etzensperger, Wiloughby, Ohio.

innumerable specials, silver cups, medals, etc., including both the male and female "Futurity" win at Allentown. Such winnings are indisputable testimony of quality.

We have before spoken of color, and we again say this entire line is one of exceptional pure white color. Eyes also are a feature. We did not see a green or pearl eye on the place. Most all had the strongest kind of flaming red eyes. Combs in both males and females were rather small and low and well set, with even serrations. In general shape of the birds, we found what to our mind was their greatest feature. Nice white legs, clean, with good bone and proper length, were noticeable on all.

Here we saw far more than we expected in numbers and quality as well. It is a feature line worth going many miles to see, and we felt well repaid, and to those who had preceded us and told us of its value we can only say that half was barely told by them. We now feel the same way. We feel that our efforts fall short and fail to properly tell or do full justice to this plant. Well, we have done our best and if we have created just a little renewed interest in this line and in these men we will then feel that we have accomplished something for the good of "Better Poultry." H. P. Schwab.

and impure water. They must be properly housed and carefully protected from their natural enemies and plenty of pure fresh water is an essential that must not be overlooked. This latter item is made quite simple by equipping the poultry yard with the drinking fountain that affords a continuous supply of pure water of just the right temperature, called "The Moe's top-fill Sanitary Fountain," which is manufactured in many sizes of the best grade of galvanized iron, by Otis & Moe, Otis Bldg., Chicago, U. S. A.


C. E. Riley, 431 Fargo St., Buffalo, N. Y., breeder of Rose Comb Rhode Island Reds has this to say about his cock bird Red Jacket, if "like begets like" my cock bird, Red Jacket who won first cockerel, last year and first cock this year at Buffalo. He is the sire of first Buffalo pullet that defeated the first New York Palace Show pullet, third Buffalo cockerel, and all the females in the second and third Buffalo pen, these being selected from 50 chicks. This male bird is darker than some wish for exhibition males, but is an excellent breeder and breeds some remarkably fine chicks. The show record made by Mr. Riley is an enviable one and full information about the price of stock, etc., will be furnished on application. Write him and mention American Poultry Journal.

### CHICKEN PROFITS BOOK FREE


Tells how to get bigger poultry profits. Sent free. Tells about Triumph Incubators and Brooders. Simplest, surest money makers—Neubert's masterpieces after 19 years experience. Easy to operate—low price—guaranteed. Write postal now. R. F. Neubert, Box 760 Mankato, Minn.



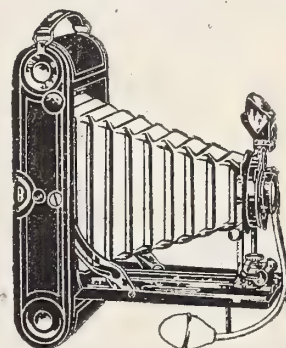
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"QUALITY"  
BUFF PLYMOUTH ROCKS**



Have won in two of the best shows this season, including the blue in National Club Meeting, and Gold Medal for best cockerel in Big Columbia, Mo., show. Best yards mated I ever bred. Mating booklet free for the asking. Why not get a good breeding cockerel to help your flock. M. B. Turkeys, too.  
**W. S. Robison, R. 1, Fayette, Missouri**



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# RILEY'S ROSE COMB REDS

Make nearly a clean sweep at Buffalo and Rochester, N. Y., winning all display cups and prizes at each show, both combs competing. If you need Ideal Color, with shape, I can furnish it at popular prices. Free mating list tells the story.

**C. E. Riley, 431 Fargo St., Buffalo, N. Y.**

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THE ACME OF ARCHITECTURAL PERFECTION

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OVERLOOKING MADISON SQUARE.

Accommodations for 1,000, offering maximum luxury and comfort at much lower rates than offered in any other Hotel in America, consistent with highest class service.

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Handsome Apartments of any number of rooms at proportionate rates. The Management is a guarantee of the highest refinement and protection to ladies and families.

DANIEL P. RITCHEY;

## BUFF ORPINGTONS, BLACK MINORCAS

Now as the hatching season is beginning and you surely want to buy the best stock that you can get for the money, we will quote you a few of our winnings in four state fairs in competition with the large Eastern breeders.

**In the S. C. Buff Orpington Class**—At the Nashville State Fair we won: 1st hen; 2nd cock; 2nd pullet; 3rd and 4th cockerel; 3rd and 5th pen; 5th cock. Also a special premium on the hen for being the best in the fair. At the Alabama State Fair we won: 1st cockerel; 2nd cock; 2nd hen and 2nd pullet. At the Mississippi State Fair, one of the largest ever held in Jackson: 1st cock; 1st hen; 1st and 3rd cockerel. At the Louisiana State Fair we won: 2nd cock; 3rd hen; 3rd cockerel.

We have the nicest lot of S. C. Black Orpingtons which were not exhibited, this year.

**In the S. C. Black Minorca Class**—At the Alabama State Fair we won: 1st, 2nd and 4th cockerel; 1st, 2nd, 3rd, 4th and 5th pullet; 1st and 2nd cock; 2nd, 3rd and 4th hen; 1st and 2nd pen. Also a premium for best display of Asiatics. At the Mississippi State Fair we won: 1st, 2nd and 3rd cockerel; 2nd and 4th pullet; 2nd hen; 3rd cock, and 1st pen. Louisiana State Fair: 1st and 2nd cock; 1st, 2nd and 3rd cockerel; 1st, 2nd, 4th and 5th pullet; 2nd hen; 1st and 2nd pens.

This should be evidence that we have stock or eggs that you are looking for. We have the largest and best equipped poultry farm in the South. You do not have to go East for eggs for hatching season, taking chances on the climate where you can get them just as good for possibly less money. All our stock are free range. They are up to the standard in weight, type and color. Correspondence solicited. Day old chicks only when ordered.

**Kenmore Poultry Farm - Maxey Lane & Gallatin Pike : Nashville, Tennessee**



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Largest producers of asphalt, and largest manufacturers of ready roofing in the world

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## MAPLESIDE, WHITE WYANDOTTES

Chas. Nixon, Washington, N. J.

We have often thought that the White Wyandottes were a "lucky" breed and variety, for as their champions they have had a select number of breeders who have spared nothing to make them popular and to bring out and demonstrate their merits, men who stand high as breeders and well in the community in which they live.

Chas. Nixon has won his way. First as a breeder he came into prominence years and years ago. Then later as a poultry judge and today he is favorably known in every nook where the sun shines. The credit is all his own. He alone has made his success possible. His "Mapleside Strain" is one of value. Bred with skill and mated with greatest care for years, they have a breeding value besides their individual worth that is safe to bank on.

As an exhibitor he has been handicapped by being called to judge at leading shows, but we well remember his winnings at Philadelphia, New York, Boston, etc. This season he exhibited at the National Club Show held at Albany, N. Y., where in a class of over 300 birds he won first pen young, third pen old, thirty-six pens competing, first and sixth hens, special for best shaped female, special for best solid colored hen in show, and four other special prizes. This is a record of value when we consider the number of birds competing and the yards represented.

We have just received Mr. Nixon's catalogue, a very neat book, full of sound information and showing some of his winners, with testimonials, etc. It is free for the asking. Write him today.

Mr. Nixon has for sale a choice line of birds, bred from his best, and is making a specialty of properly mated trios and pens. Birds mated by an expert are reliable values.

## H. D. RILEY, BARBED PLYMOUTH ROCKS.

Our annual round would be very incomplete without a visit to the home and yards of Mr. Henry D. Riley, Strafford, Pa. Mr. Riley has in the past fifteen years of breeding demonstrated his skill and brought his line to the very front and a leader in popular favor. He has accomplished this by study and practical breeding and by honest dealing with one and all.

He has made the rounds of the prominent shows and with them a record all to his credit as a breeder and exhibitor. From the Great Madison Square Garden, New York, Show, where his birds have won highest honors for years, to Baltimore, Cleveland, Philadelphia, Camden, Williamsport, etc., he has won his way and secured the stamp of honor for his line, which they so very richly deserve.

Mr. Riley's plant covers about thirty acres of land. The houses are all well built and roomy and the parks are extra large and planted to fruit. The young stock has unlimited range to roam over land that lays low and moist enough to insure insect life in unlimited quantity.

This year Mr. Riley has exhibited at New York, Williamsport and Cleveland, O., with unusual success, winning seven first prizes and many other places on specials. This with his winnings of years are to be considered, but far greater, and the more to his credit, are the winnings made the past season by birds hatched from eggs he sold. In this list we find the first prize Boston cockerel; the third prize M. S. Garden, New York; cockerel; the first prize Chicago pullet; the first prize Rochester, N. Y., hen; the first and third cockerels at Guelph, Ont., in a class of 69 cockerels; the first Charlott, N. C., cockerel at the Club Annual Meeting Show; the first Cleveland cockerel; the first Lynchburg, Va., cockerel (at State Show). This is the record as he has it reported so far this year with privilege to use, and in this should also be included the first prize pullet at Philadelphia and second pullet at M. S. Garden, N. Y., last year. This tells the tale of quality Mr. Riley has and the kind he sells to his customers.

With this and his own record in view we were interested to again see his matings and we were soon busy in the pens looking 'em over. From the first it was evident to us that what Mr. Riley did for his customers he also did for himself. He sold them improved and winning stock, and he bred the same quality for his own use. His matings are small, evidently made with care, and here, too, we found reason for them as made. Mr.



Riley devotes all his time to his birds, knows them and their quality and prospects by experience.

Pen 1 is still headed by the first prize New York pen male of 1910. This noble fellow has made his mark as a breeder of value and this year is mated better than ever before.

Pen 2 has the same male as last year, a strong breeder and favorite of value.

Pen 3 has the first Baltimore cockerel of 1910 for its lord, a bird I always admired for his shape and very clean narrow barring.

Pen 4 is headed by his third M. S. Garden, New York, 1913, cockerel, a bird of exceptional quality and beauty. His color and barring are marvelous. He has filled out and today is better than ever before. I believe he will make a wonderful breeder of rare males. He is mated to eight select females, birds of rarest type and quality.

Pen 5. Here is Mr. Riley's famous winner and breeder. Last year he won second prize at M. S. Garden, New York,

#### Pullet Matings.

Of particular interest were these matings to us, for here in every yard we recognized winners and favorites that cackled in contentment and as if to greet us. Foremost in these females were noted Mr. Riley's two first prize M. S. Garden, N. Y., winning hens; the sweet hen from the fourth New York pen, 1911; the fourth and fifth pullets of 1913; the first Cleveland hen, 1913, and her daughter, that won first as pullet, etc., etc. All these and many more that have won the blue are here, and others of their same line and breeding. From pen to pen it was the same, all to be admired alike.

The males used in these matings were all we could desire in form and color and barring—line barring a feature and well under-barred, the white bar very clear and clean. They formed a royal lot, and feel we owe them every comment possible to them. Grand heads with low well-set combs and few serrations. Rich red eyes and splendid carriage were evident in all. They will bear out the record this line has made, and to us they seem much



E. W. GROVE JR., CLAYTON, MO.  
AMERICA'S LARGEST SPECIALTY BREEDER OF  
SINGLE COMB WHITE LECHORNS

and color special male. With this great show record he has since proven himself a marvel in breeding quality and has produced many first prize winners at leading shows, chief of which we would mention the first and third cockerels at Guelph, Ont. This is Canada's largest show, and this season had 69 cockerels competing. He is mated similar to last year and is bound to again produce the quality we all aim high for.

Pen 6. Headed by first Cleveland cockerel, 1912, a bird whose quality always appealed strong to us. We still consider him one of the few best we have ever handled. Other pens followed closely, and in each and all were the same rare quality and skillful mating. Most all the males used are noted winners or bred from such, and all give the assurance of highest breeding quality.

stronger and better than we have ever seen here before.

Mr. Riley has proven himself a man to bank upon with full reliance, and he has been honored by the poultry fraternity in a way to amply prove the esteem in which he is held by those who know him. For years he has been president of the Philadelphia Poultry Association and manager of their shows, which he has brought up to be one of the greatest and best in this country. This also is his second year as secretary and treasurer of the American Barred Plymouth Rock Club, where his influence has been felt, and the club has grown by bounds.

Poultry has his heartiest interests and after our years of personal acquaintance we can well say we have always found him a breeder and a man of worth to all his fellow men.

H. P. Schwab.

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Saddles...\$3.00 up New Uniforms... \$1.50 up  
Bridles..... .30 " Army Revolvers... 1.65 "  
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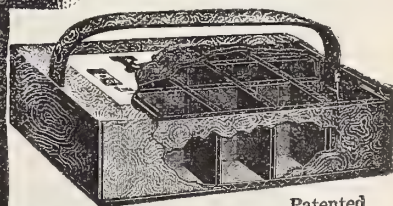
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## JOE-PYE Orpingtons

**T**HE fact that we won Display Special or greatest number of points this year at the three largest American shows—Madison Square Garden, Boston, Grand Central Palace, N. Y. proves conclusively that we can breed quality. Our free illustrated mating list gives information about our farm and breeding pens.

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Breakage of fancy eggs in transit requires the duplication of orders. This eats into profits and often loses customers for the shipper. Avoid these difficulties by using

### The Eyrie Egg Box

Designed correctly for Strength, Durability and Perfect Protection to Contents. Weighs enough less to save its cost in reduced express charges over that of a wooden box.

It is made of heavy fibreboard with partition strips and liners, (all sides, top and bottom) made of double faced corrugated paper. Made in 1 and 2 Setting Sizes. Sample sent prepaid express upon receipt of 25 cents.

Write for our Poultry Box Booklet and Price List.

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**"RINGLET" BARRED PLYMOUTH ROCK.**

Our Visit to the Home of Mr. E. B. Thompson, Amenia, N. Y.—H. P. Schwab, Irondequoit, N. Y.

From time immemorial events and deeds have been chronicled; in fact, they have made history necessary and valuable. War and peace, the arts and science, achievements, diplomacy, biography—all have had their share. Essential to a great people and the progress of nations, they have left behind records of, if not the actual work, of the great men of all times to the particular benefit of those to come after. The world is better for

Thompson had been a breeder and lover of better poultry. All prejudice and obstacles of early days were overcome by his earnestness, and from the day that he carried a pair of his favorite birds five miles to a show from his boyhood home at Smithfield to this day his progress has been up and up, assuring not only to him deserved success but with living examples leading the way that thousands since have followed to their advantage. The fraternity owes much to this man.

Just twenty-five years ago Mr. Thompson, exhibiting at Madison Square Garden, New York, won four first prizes with his "Ringlet" Barred Rocks. and now a quarter of a century later at the same show he again won four first prizes and many others of equal and unusual

is and the value of this line. There are the living models of Mr. Thompson's skill amid natural surroundings, 3,000 or more completing a flock the like of which we have never thought possible to produce. Back of all are the years of personal work of Mr. Thompson, and while we go to his place and admire his flocks as presented today we can just but stop a moment to consider, if we can, the amount of study with earnest labor these results have cost him. We fail to comprehend and can never tell in words just what the past thirty years in breeding have cost Mr. Thompson in mental and physical labor. The results assure them all success, and in this he must accept with credit the great work his persistency has accomplished for "better poultry."



SPECIMEN FEATHERS FROM THE "RINGLET" BARRED PLYMOUTH ROCKS.

their lives and examples, for if properly understood they assure advantage with greater success in the future. Every race and every people have had their great men, its leaders, and every industry and every line has received due and proper recognition at the hands of those born to lead.

The poultry as well as all breeding industries has produced its great men, and we can point with pride to many for the work they have done and the success they have made possible. One man in particular looms up strong and stands foremost among the poultry breeders of the world today. His work for over thirty years has been of continued progress and uplift. It is his life-work and his success reaches up to all that is possible in improved poultry. His records made and his success are the marvel of the age and will remain unchallenged for time to come. As a mere boy Mr. E. B.

value. Between these times he has been a consistent and a persistent exhibitor and winner, making a wonderful record during all these years in the greatest classes and fiercest competition ever known.

Exhibition records are necessary for comparison, and the great shows, when the prominent breeders exhibit, are the true test of value. The Madison Square Garden, New York, Show has always brought out the best—the best breeders and the best birds produced from every section of the world. There the "Ringlets" have been seen to advantage all these years. They have never been found wanting and their superior quality, combining shape, color and barring, have always placed them prominent winners. With all this we would still insist that to see this line at their best they must be seen at their home. There we can better appreciate what "Ringlet Quality"

We lately spent two days with Mr. Thompson—wish it could have been two weeks, for our interest was at its height. The phenomenal "Ringlet" record at the 1913 Garden Show was ringing in our ears. Its echo had resounded the world over with the tone of exceptional and striking value and drew like a magnet on our desires to see this whole line and to tell our readers of it. We have a natural fondness for the Barred Plymouth Rock. They best meet our ideal, and while we can and do admire all standard bred poultry and can see value and character in them, and have for years noted the great success others have made with other kinds of choice poultry, we still think the Barred beauties a little the best of all. This same opinion is probably shared by upwards of 100,000 breeders in the world today.

To us it was like a visit to the promised land. We had visions of what to



**Silver  
CAMPINES**

**FIRST COCK**

**Silver  
CAMPINES**

**CHICAGO, 1912**

**Silver  
CAMPINES**

**PULLET FIRST**

Artist Louis Stahmer of the American Poultry Journal writes: "The type and markings of these fowls come as close to the accepted Standard as any Campines I have handled this year."

**Take no Chances with Unknown Strains**

My birds are absolutely free from Braekel Blood.

**EGGS FOR HATCHING---AN HONEST HATCH GUARANTEED**

No stock for sale.

Write for prices and mating lists.

**FRANK E. HERING, South Bend, Ind.**

Reference: THE AMERICAN TRUST CO., South Bend, Ind.



expect and hurried on in anxious expectancy to feast our eyes and mind—our eyes on the beauties of the wonderful "Ringlet" line and our mind with two days of companionship with Mr. Thompson that was sure to be of personal value. We were there to see and ask questions and were primed to the muzzle. This was one of the events of our life, and it was up to us to make the best of it.

A hardy greeting and a fast drive in a "Winton Six" took us quickly over the two miles of road to Mr. Thompson's home, where we hung our hat in the same old place and donned an old gray coat and cap kept for visitors. In this rig we felt very comfortable, and with Mr. Thompson and his son Valentine we headed for the great coops but a short distance away, where the crow of the lusty rooster and the cackle of the hens were music to our ears. Caruso in the Metropolitan Opera House would be but a side-show to the Vigorous Ringlet Choir.

Now we can't attempt to write and tell of all we saw in this article, but in passing over this plant we picked features for mention, as it is our purpose to give the reader an exact idea of this line as seen and what they will see should they also visit them.

#### The Cockerel Matings.

Heading one of the first pens as we entered was the fifth New York cock, 1913, a bird of wonderful "Ringlet" barring, clean cut and bright, a beautiful head and flaming red eyes. Yes, he won only fifth, simply because four others of the same line were further finished at the time. His mates are eight females of character, including two that were in Mr. Thompson's first prize cockerel mating pen at New York, a rare pen sure to give results. We saw this male as a cockerel a year ago. He was a leader from his first day to now. Quality bred in them tells. It is the kind to bank upon with the positive assurance of results. Stepping out of this pen into the aisle, we looked back to again inhale a general sight of the mating we saw. We commended every bird and particularly the even and rare quality as a whole, when Mr. Thompson told us he worked on that pen every day for a week to get them as they are now mated.

Let us consider and impress this fact upon memory. Here are all told probably 2,000 females. Each has its record and line history and both must be considered in proper and high-grade mating. We know of no breeder who looks closer to detail than does Mr. Thompson. It is his interest and his way. It is study and knowledge of the breeding secrets he has mastered. Can we now wonder at his success? A breeder who will put in two months of special labor on mating his yards, knowing the pedigree of every one and not satisfied until assured that every bird is just where it fits to assure improvement—such a man not only deserves success but is bound to obtain it. There is no stopping him.

Next and side by side were two pens, the first headed by his second New York cock, 1913, and the other by his third prize cock. Both are yearling cocks and both in perfect condition. Their combs are as clean and straight as on any cockerel. Wattles and lobes also in prime condition. It just happened that at the time of the New York show the one was a little past his best show shape and the other not quite ready with tail unfinished. Two better cocks never stood side by side. The second cock is the sire of his first prize and champion cockerel, New York, 1913, and of many more seen on this farm of about equal worth. This cock was sired by Mr. Thompson's New York (1910-11) first prize and champion cockerel. It runs in the blood, for he in turn is a quarter inbred son of the 1908 New York first cockerel and champion. The third New York 1913 cock on dam's side lines back fully to the 1908 champion. Here surely is blood of the richest winning lines. Both are mated with exquisite skill and quality, matings well worth any price Mr. Thompson could ask.

In a pen close by, with just five yearling hens, we saw a younger cockerel and a full brother of his 1913 New York champion. He is just finished and showed in all his glory the quality of his line. A bird without a show record, but most highly commendable for his line breeding and individual merit. The best of type, wonder in color and narrow barring and with all the vigor and style the Creator could possibly put into any one animal.

Next was the pen headed by the champion himself. Winner of first prize cockerel and champion male special at the 1913 New York show. The critics have all had their say, and all have proclaimed him the

# BUFF ORPINGTONS

At the Great Northern Ohio Fair, I won first cock, second hen, first and second pullets, and second pen. My Orpingtons are especially bred for size, for winning prizes, and for egg production. They will not disappoint you. I have five grand pens mated for the egg trade. Get my mating list. It is free. I have a few more grand males for sale that are buff to the skin. Write your wants, I can please you.

CARL E. ROGERS -- R. D. No. 2 -- PAINESVILLE, OHIO



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Make it better than it was at its best. Make your old hatcher new with my perfect Acme Fixtures and it will hatch more, better and stronger chicks. My Acme regulators, Lamps, Burners, etc., are made to fit any incubators. No matter what make of incubator you are using my improved fixtures will reduce your operating expenses fully one-half. Thousands of incubators remodeled and repaired with my fixtures. It's as easy as A-B-C. Remember

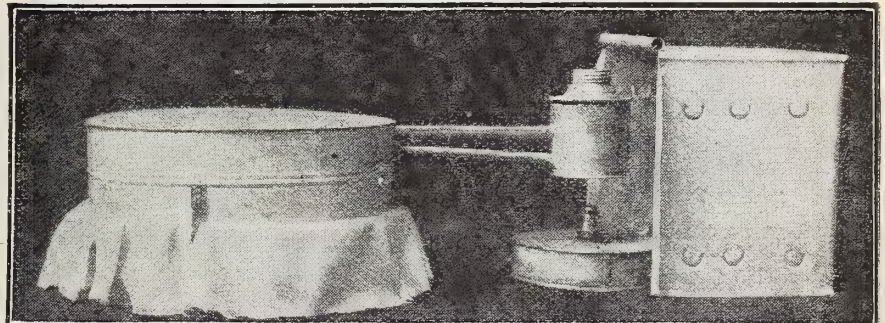
### My Fixtures Fit Any Machine

If you are thinking of a NEW machine do not buy an incubator until I tell you how 200,000 poultrymen have built their own Peerless Incubators with my Acme Fixtures and my Free Plans. Anybody can do the work. I guarantee results, absolutely the most perfect, cheapest to operate and surest hatcher possible to secure. My exclusive patented automatic fixtures and my plans give you in a Peerless Incubator

The Peerless Automatic Vapor Heating System. The Peerless Automatic Moisture System. The Peerless Automatic Ventilating System. The Perfected Acme Automatic Lamp. The Perfected Acme Trip Burner. The Acme Tandem Double Compound Thermostat Regulator. Let me tell you about these marvelous features and send you my Free Book describing my fixtures, how to remodel old incubators, build Peerless Incubators.



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Wendell Incubator Company - 51 Main Street - Holly, Michigan

## Again Win at Chicago

### Rose Comb Rhode Island Reds

Our Recent Winning Great Chicago Show—1st hen; 2d young pen; 4th pullet; 5th old pen; 5th cock; shape and color special on female and Champion Female in the strongest competition ever seen at Chicago.

### At the Chicago Show, 1911

We won 1 cock; 1 cockerel; 1-3 pullets; 1 young pen. In the past two years we have won more than twice as many firsts as any other exhibitor at this great show.

### At Louisville, Ky., Dec., 1912

Where the north, south and west met, we won, 1-2-3 cocks; 1 hen; 2-3-4-5 cockerels; 1-2-3 pullets; 1 old pen; 1 young pen and Silver Cup for best display. If you wish birds of quality or eggs that will hatch them, write us. Mating list now ready. Stock on approval always.

Longfield Poultry Farm, Box 321, Bluffton, Indiana





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### "THE MONEY-MAKERS"

Trap-Nested "Standard" Bred  
Pedigreed Line Bred

Choice winnings at Springfield and Decatur, Ill., 1913, and Illinois State Fair, 1912, including 6 firsts, 6 seconds and 9 specials. Illustrated catalogue free.

I. A. ENGLE -- LATHAM, ILLINOIS

## Canada's White Rock Farms

THE ROYAL STRAIN, GREAT WINNERS—Canada's best show, the Ontario Guelph, 1912, won 1st cock, 3d and 4th hen, 1st and 2d cockerel, 1st and 10th pullets. At Buffalo's 1913 greatest show, after selling a number of my Ontario winners, won 1st cock, 1st and 3d hens, 1st and 4th cockerel, 1st and 5th pullets, 1st pen and all specials. Size and vigor are a feature of this line that have been bred and exhibited by me for many years. My pens are mated this season with the highest quality specimens I ever produced. You would do well to get my list and prices before placing your order. Eggs and stock for sale at all times.

J. L. BROWN -- SEAFORTH, ONT.

## FELCH OFFERS

The product of his breeding pens of 1912 in Brahmas, White Orpingtons, White and Barred Rocks and White Wyandottes that seem better than any previous years output. Send for circulars and particulars. Mention A. P. J.

I. K. Felch, Box 176, Natick, Massachusetts

## BABY CHICKS



All free range stock and all hatched in our new latest Mammoth machines. This will insure nice, big, strong, vigorous chicks that will win for you in the next Fall shows. We make a specialty of White Leghorns and Barred Rocks. Our prices are very low, considering the high quality chicks we put out. This is our ninth season. Our capacity will be 40,000 eggs per hatch this season.

Order Direct From This Ad

	Per 25	Per 50	Per 100
Single Comb White Leghorns.....	\$2.50	\$5.00	\$10.00
Single Comb Brow Leghorns.....	2.25	4.50	9.00
Barred Plymouth Rocks.....	2.75	5.50	11.00
Rose Comb Rhode Island Reds.....	2.75	5.50	11.00
Broiler Chicks.....	2.00	4.00	8.00

Get your orders booked now and insure prompt delivery when wanted. Catalog free.

20th Century Hatchery - Box 73 - Chatfield, Ohio

best Barred Rock cockerel ever shown. At New York he was in his prime, and as seen here now, he stands out just as great and grand as when he won the highest honors obtainable at Madison Square Garden. The quality that placed him is just as evident now, and with his valuable breeding he is assured to produce results. He is grandly mated to eight hens. We handled them all. Red eyes, low combs, clean wings, beautiful form and strong but clean barring. We don't claim to be a prophet, but we don't hesitate to express our opinion that future champions are promised from this pen.

The runner-up was heading the next pen. His win of second prize at New York, 1913, is one of credit, for it took the champion, bred by the same man, to beat him. He looks, as seen here, better than ever, and we again handled him, just to have another look at his beauty, under-barring and phenomenal wings. His seven mates are all that we could desire, a rare mating of superior quality.

The cockerel heading the first prize New York 1913 pen followed, a son of the 1910-11 New York champion. Next the fourth New York 1913 cock, following were two pens headed by sons of his. These four pens were a delight to see. The pen winner is a particularly sharp barred bird of beautiful color; all strong matings.

We could write pages of the next bird, the first prize New York cockerel and champion of 1910-11. Strong and hardy, he shows the quality that won for him fame in the world's records of poultry. But today we mainly consider him from his breeding viewpoint; in this he has made his mark with a record of producing as bright as the sun that shines on the bright June days. Form and color are still his and his crow is a challenge for any to equal his record. Money can't buy this grand old champion today; his value is far greater than ever. Mated to five selected pullets of size and superior quality, he is sure to hand down more winners for time to come.

In the next house were seen mated the second and fifth New York pen cockerels, both full brothers that on sire and dam side line back to the New York champion of 1908. Then came the cockerel in his first prize cockerel mating pen, New York 1913, a royal fellow and one of the best. Other pens headed by this same line of males followed and several matings headed by cocks and cockerels of same line and breeding as the New York winners. These are all birds of quality, of the best possible color and barring, with form a feature throughout.

Here were seen three large houses and several colony houses, all filled with cockerel matings; both males and females were of his best and of the same lines as his New York winners, all mated with care and from which results seem assured.

### Pullet Matings.

At the late New York show Mr. Thompson won first prize pullet and champion female special. His female line has always been a strong one of quality and has always been well placed. This year his birds show wonderful progress and in the great Garden show he has been placed highest winner. With this in view his pullet line had special interest for us, and here we saw enough to fully satisfy all interest.

One of the first to attract attention was the sire of the New York winning pullet, a noble cock of clean, bright color and the best of line barring. Mates are same as last year, for Mr. Thompson can't see how he can improve that mating.

Two full-brother cocks followed next. They are the ones that bred the females in Mr. Thompson's first, second and fifth pens. Both are grand matings, with rare colored females of beauty barring, nice heads and the best of wings.

A pullet mating headed by a wonder cockerel attracted us next. For shape, vigor and clean, snappy, bright barring, he is a revelation. His barring runs in rings all around him in narrow lines, with a contrast of color we have been looking for, for years. Eyes flaming red, comb small, and entire make-up of the best. Mates are eight hens of Mr. Thompson's best. Another full brother of this male heads next pen and he is very close up in all ways.

"Estelle," Mr. Thompson's pride pullet, is in the following pen, along with others of her line. She was in short feathers at the time of the New York show; she is one of the handsomest now.

Every mating made and seen at the time of our visit was a gem, and we could not pick flaws. Mr. Thompson has a reason for every one; there is purpose in them all. In the past we have seen really wonderful matings there, but we have



never seen any to approach his matings of this year. No article can ever be written in limited time or space that can do full justice to the birds and matings seen here, for a proper account and description would fill a book.

From a study of these matings, we arrived at several conclusions. First, that Mr. Thompson values shape at its true worth. Every male used has size and type; red eyes, large and expressive; and they all stand well, strong and vigorous. The females are an even lot, good all over, and meet all requirements well. Mr. Thompson does not breed birds that are defective in any particular, or to mate birds weak in some ways to others strong in those same respects; his choice is for the birds of even and uniform quality in all sections. There is value in this and the results he has obtained prove his way the right one.

The record made by Mr. E. B. Thompson at the 1913 New York show is one of special worth; for quality and merit with value it stands foremost of all the records ever made at the Madison Square Garden show. Every bird shown by Mr. Thompson was of his own breeding, bred at his own farm and were conditioned and shown by him. This in itself means much; in fact, much more than many will realize. It adds to the triumph, the glory and satisfaction of quality breeding.

Visit this farm. Mr. Thompson will bid you welcome. You will see there "Ringlet Barred Rocks" worth while. You will see far more than my pen can describe and you will be better for it. Talk breeding to Mr. Thompson, ask questions, and rest assured that you have learned something of value. Mr. Thompson is pleased to have breeders call and inspect his stock and his place.

Mr. Valentine Thompson, like his father, is a born "chicken man" and is of the right kind to meet. He has been carefully schooled and like ourselves is one of the kind who believe they can learn something every day. For three or more years he has assisted his father in the mating of all pens and has had particular charge of the hatching and growing birds. What he has accomplished was seen by all attending the New York show, and seeing the "Ringlet" line there was the reward of his labors, and when the ribbons all had been placed, we heard his father say, while giving him a gentle slap on the back, "Val, you have done well." Yes, there was honor and credit enough for all in that win.

Our time passed altogether too quickly. We had seen much—far more than expected—and we had talked a great deal, received new ideas and felt our pride rising for being a fancier; we felt the advantage was all ours. Still it was with deep regret that departing time had come. With a farewell glance all around and with a hope of again having the privilege of a future visit, we bade farewell to Mr. Thompson and his family, and as we sped on to the great metropolis of America I just began to realize that the past two days were two eventful days of my life.

#### FENCE BARGAINS.

We are just in receipt of a letter from James Brown, president of the Brown Fence & Wire Co., of Cleveland, Ohio, in which Mr. Brown invites every one of our readers to write for his new 1913 catalog. If you need fencing of any kind, for any purpose, or if you will need fencing later, it will pay you to write to Mr. Brown at once. Brown fence is sold direct from factory, all freight prepaid wherever you live, and the prices are exceedingly low. Brown fence quality is such that over 25,000,000 rods have already been sold direct from factory to customers in all parts of the country. Brown's catalog tells all the facts. Write a postal now—address Dept. 3, Brown Fence & Wire Co., Cleveland, Ohio, and mail at once.

#### R. I. REDS AT BUFFALO SHOW.

Seldom is such an array of quality displayed as was seen in the Rhode Island Red classes at the Buffalo International, and one would go a long ways before finding a specimen that would surpass the first cockerel owned and exhibited by Henry W. Alt, 87 Fuller avenue, Buffalo, N. Y. This bird not only possessed shape that closely approached the ideal, but was a wonder in color: from head to tail. He was the center of attraction during the show. The balance of Mr. Alt's exhibit was of the same high quality and he was awarded many regular prizes as well as numerous specials, including the special for best display.



## How a Feed Mixer Will Pay for Itself

**A Feed Mixer is a REAL Economy on Any Poultry Plant, No Matter How Small. It Saves Time, Labor and Feed.**

Suppose you feed only ten quarts of mash a day. Do you know that's nearly 2 tons a year? Yes sir, 2 tons! Now you wouldn't mix 2 tons of feed by hand, if you had to do it in a day. Why, then, should you if you do it in 365 days? Your time is worth as much one day at another.

Let's say you spend an hour a day mixing feed. A mixer will do it better in half an hour. In a year, it will save you at least 200 hours. That's 20 working days. About \$40 worth of time, isn't it?

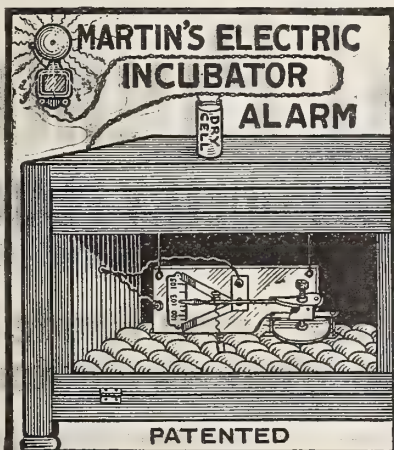
**NOW YOU SEE HOW A FEED MIXER IS A REAL ECONOMY**

### "AFTON FARM" FEED MIXERS

**FOR MIXING DRY FEED, WET MASH, SEEDS, FERTILIZER**

There are other advantages to a feed mixer. Your feeds are fresher and more palatable. They are smoothly and perfectly blended. They are more easily digested. This means that you need less feed, and that your stock is healthier. You can make up balanced rations and special feeds quickly and cheaply. You can mix seeds for sowing. You can make up your own fertilizers. The "Afton Farm" Mixer is used on hundreds of farms. It is always satisfactory. Simple, safe, thorough. Made in 15, 75 and 150-qt. sizes. Hand or power drive. Larger sizes made to order. Write for our free book, "The Secret of Master Feeders."

**Yardley Mfg. Co., Box D51, Yardley, Pennsylvania**



ment may be instantly set to ring the bell usually at about 100 for "cold" and 105 for "high" as shown above. The bell rings very strong and may be "cut off" upon reaching the incubator by a Special Automatic Plug, which also prevents it from ringing when the eggs are turned or cooled. Any dry battery operates it at least one season.

#### Four Years of Proof in an "Egg-Shell."

Iowa State College, Ames, Iowa. Prof. Wm. A. Lippencott, Poultryman.

"We have used your Alarm on a machine of standard make that for some reason had spoiled hatches for us three times in succession, and by using the Alarm we were able to bring to conclusion a very successful hatch. It informed us twice during the hatch that the temperature was too high."—March 26, 1910.

C. F. Jaeger, Columbus, Ohio.

"The four Alarms which I purchased from you were the means of saving my incubator and brooder house from being destroyed by fire, and I consider them the best investment I ever made in the poultry business."—May 4, 1911.

J. W. Parks, Altoona, Pa., Barred Rock Specialist and Proprietor Keystone Hatchery.

"I consider your Alarm a wonderful invention and have them guarding over 25,000 eggs for me at one time."—February 5, 1912.

Mound Hill Poultry Farm, Seville, Ohio, S. D. Hall, Proprietor.

"The Electric Alarm purchased last season works perfectly. It saved 100 times its cost last season."—January 18, 1913.

We are helping others, why not you?

We make special Alarm Systems for Poultrymen having their incubators located outside of their residence, and also for Mammoth Incubators and Brooding Systems. Write for circulars, stating what you desire to equip.

**DON'T RISK** another hatch when it only costs \$2.25 to enable that incubator to call when it needs attention. Here is what Martin has been working for and you have been waiting for, so act today and make hatching a pleasure.

## MARTIN'S MODEL "D" AUTOMATIC ALARM

Was designed to meet the demand for a simple, complete and inexpensive Incubator Danger Signal for those operating their machines in their residence and is perfectly adapted to these conditions. It may be instantly attached to any incubator and will last a lifetime. The little Alarm Attachment at any variation of temperature desired—shown above, The bell rings very strong and may be "cut off" upon reaching the incubator by a Special Automatic Plug, which also prevents it from ringing when the eggs are turned or cooled. Any dry battery operates it at least one season.

#### LIVES ARE AT STAKE.

Not only the lives of your chicks but the life of your business depends on the incubator. The success of every poultryman is measured by the number of chicks he can hatch and raise. It is absolutely impossible to secure large hatches of strong livable chicks when the temperature is allowed to run to abnormal extremes. You can insure the lives of your chicks and yourself against loss and worry by equipping your incubator with this safety device.

#### PRICES AND TRIAL OFFER

The price of an Alarm Outfit complete with an Alarm Attachment, electric bell, 12ft. insulated wire and instructions is only \$2.25. Alarm Attachment without bell and wire, \$1.75. Mail us your order at once and we will send your Alarm by return mail postpaid. Use it through 2 hatches and if not satisfied return and we'll refund your money. Address

**MARTIN MFG. CO., Ltd., BOX 24-A, BROADWAY, VIRGINIA**



**ARISTOCRATS.**

With leaps and bounds the Aristocrats have come to the front within the past few years, as no other strain in America. Their growth in popular favor is nothing short of marvelous. They are now in the very front rank among the many different families of Barred Plymouth Rocks, and it will not be long, if their present pace continues, until they will have outdistanced all competitors East or West. In fact, even now they are away in the lead in rich, deep-blue color and extraordinary, fine, narrow barring down to the skin. We predict an unprecedented demand for these superb and truly royal Aristocrats from all parts of the world. See if we are not right.

The cut of a trio of these Aristocrats which graces this month's issue of our journal will show you plainly just why this is so. Made from a photograph of the birds, this cut typifies quality, quality unsurpassed. Study the birds shown there—study them closely, carefully. These are not imaginary birds—these are birds as they are actually living right now, birds that are right now mated together as you see them here, birds which are right now producing fertile eggs. Here at last is something you can tie to, something you see actually before you, something real, by which you can judge what kind of birds produce the eggs which you may order for your own use this season.

This is simply a sample of the birds you will find mated at this time in the yards of their proud owner, W. D. Holterman, fancier, Box A, Fort Wayne, Ind. These are, of course, some of the very best, but he has quite a number of young birds out of these grand breeders which he has distributed among his few pens. Some of these young birds are even bet-

ter than the trio shown here. All the birds in all his selected matings are birds of superb quality. When ordering eggs, please bear this in mind, that Mr. Holterman mates up comparatively only a few pens, but of the very highest quality. QUALITY is his motto from beginning to end.

We would say to our readers that you may safely order eggs from Mr. Holterman directly from this article. He is a fine gentleman to do business with, honest, courteous and liberal. He guarantees eight (8) strongly fertile eggs to each setting and you may depend upon it that he will faithfully live up to this agreement. The price of the eggs from his carefully selected matings is \$10.00 for fifteen (15), or \$25.00 for fifty (50) eggs. In fifty-three shows thus far this season Aristocrats have won out in the hands of Mr. Holterman's customers, so Mr. Holterman informs us. All these winners were hatched out of Aristocrat eggs. These shows included some of the largest in America. Truly a wonderful record! It is a pleasure to us to recommend so strongly to our readers a man and breeder of the caliber of Mr. Holterman. It will surely pay you to get in touch with him if you wish to breed winners for the shows next winter.

**S. C. WHITE ORPINGTONS.**

It really is a reminder of the past to write the name of C. L. Pensyl, Bloomsburg, Pa. In the yesterdays of the past this name was one of the foremost in the poultry world, and to all Buff Rock breeders it will still have a ring, for Mr. Pensyl was one of the early breeders of this variety and an exhibitor that always had to be figured with at New York and other leading shows.

For the past two or three years he has

been devoting his time to perfecting a line of White Orpingtons, and step by step he is again climbing the ladder to poultry fame. By winning at Bloomsburg for two years about all competed for, then at Scranton, 1912, where, in a class of 23 cockerels, he won first, second and fourth, he finished by getting valued mention at the great Allentown Fair, with a dozen great breeders competing, and then won fourth hen at Madison Square Garden, New York, as the final for the season. At Scranton, January, 1913, the White Orpingtons were the largest class in the show, and his winnings were cocks, first and second; hens, first; cockerels, first and second; pullets, first, third and fifth; \$100 challenge cup for best Orpington, all varieties competing, and several other specials.

Orpington breeders should have his circular; it's free.—H. P. Schwab.

**VALUABLE WHITE ORPINGTON MALES.**

February 26, 1913. We have this day sold "Snow Drift, Jr.," and "Snow King" to Frank W. York, Portland, Me. These cocks are a positive "stay white" and the two best males we ever owned, and we believe "Snow Drift, Jr." to be one of the best White Orpington males in the world. AUG. D. ARNOLD.

**A FREE SAMPLE COPY**

Of the Reliable Poultry Journal, one of the most practical poultry papers published, will be mailed upon receipt of a postal card request. A 4-months' trial subscription will cost you only ten cents. Stamps are acceptable. Address Reliable Poultry Journal Pub. Co., Box E-13, Quincy, Illinois.

# Idlewood Poultry Farm

## THE MOST TALKED OF POULTRY PLANT IN THE COUNTRY

BREEDERS OF

### Single and Rose Comb Rhode Island Reds and White Orpingtons

We are prepared to furnish the choicest quality in stock, eggs for hatching and day-old chicks. Our stock was exhibited this year at the great Pittsburg and Erie shows. Our winnings were as follows:

#### Single Comb Rhode Island Reds

1st, 4th, 5th and 7th cockerels; 1st and 8th pullets; 1st, 2d and 6th pens; 3d and 4th cocks; 4th hen; 4 specials for type and color.

#### Rose Comb Rhode Island Reds

1st, 2d and 3d pullets; 2d and 7th cocks; two specials for type and color.

Day-Old Chicks from Our Exhibition and Utility Stock a Specialty—Our hatchery is one of the largest in the country, having a capacity of 100,000 chicks. We are now booking orders for Spring delivery. Write us for further information and catalogue.

## Idlewood Poultry Farm : Swanville, Penna.



## PARTRIDGE ROCK MATINGS.

This office is in receipt of a neat booklet describing the Partridge Plymouth Rock matings owned by Mr. S. A. Nofztger, Box 28, North Manchester, Ind.

Mr. Nofztger does not hesitate to call his forty matings "The Best in the World," and bases his claim on the fact that the Partridge Rock fowl was originated by him, that he is the oldest breeder in the world of this breed, consequently the most experienced in mating. Further, Mr. Nofztger points to the winning record of his birds, showing that during the years of 1908-1909-1910-1911 and 1912, his birds, bred and exhibited by him, have won more first prizes at Chicago, Kansas City, Topeka, Indianapolis and New York than the combined first prizes won by all competitors.

He goes further and claims the males heading his matings to be the forty best in the world owned by any one breeder, adding that he is willing to exhibit them against any one at any National show, in case his assertion is disputed.

This certainly is fair and indicates that Mr. Nofztger truly believes what he writes. Incidentally this man Nofztger ought to know what he is talking about when on the subject of Partridge Rocks.

We are getting away from his 1913 booklet. It is clearly written, is very explicit and comes as near to giving his customers an actual knowledge of the real birds contained in each mating, their prize record and breeding lines, as any mating catalog ever written.

In addition Mr. Nofztger gives his guarantee on eggs for hatching, which, to say the least, is a liberal and perfectly honest guarantee. This season he ships fifteen eggs to the setting and guarantees every egg to be fertile. What more could a customer want?

As Mr. Nofztger already has hatched over two thousand chicks, some of which are now good sized fries, he will not need quite so many females in his yards. In other words, a less number will be necessary from now on to lay the eggs required to fill egg orders and supply those for his own incubation; therefore he is in position to supply customers with a few choice birds in males or females.

This is indeed an opportunity which our readers should take advantage of.

During the month of May, Mr. Nofztger will offer still more of his breeders for sale at exceedingly low prices, quality and blood lines considered.

One thing this good breeder is a "stickler" for and that is "Quality." He certainly gives good advice at the bottom of page 36 in his mating booklet, in which he says: "If you can't afford the best, get the best you can afford." On still another page we note something good and original—and, by the way, it sounds just like him. It reads: "A face to face meeting has a pen and ink, greeting beat a mile. Come and see us."

It is a known fact that Mr. Nofztger enjoys himself best when showing an interested visitor his yards, birds, etc.

But, above all, don't forget to write him for one of these booklets. He will pay the postage and mail it free if you simply write and ask for it. Of course, it won't hurt to send him a stamp or two to help pay the postage if you have a few handy.

## A BOOK YOU SHOULD HAVE.

There is a mighty good book issued by the General Roofing Mfg. Company entitled "Modern Building Ideas and Plans," which we believe every one connected with the poultry business should have. It has pages brimful of helpful suggestions for the erection of all kinds of buildings.

Among the numerous illustrations there are several of poultry houses which will interest you. You realize, of course, that in this kind of weather you have to keep the hen house pretty comfortable if you are going to fill the egg basket, and this chapter contains suggestions which will enable you to maintain an even degree of heat, eliminate drafts and provide the necessary ventilation.

This book will be all the more valuable to you because it was not written with the intention of selling you anything—the reason why the General Roofing Mfg. Company can let you have this book free at your dealer's is because it shows just how attractive Certain-teed Roofing looks on the roofs of various houses and illustrates many uses for this modern, easy-to-lay building material.

This company has made arrangements with the various hardware, lumber and material dealers so you can get a copy

without cost. You do not obligate yourself to buy anything, either from the dealer or the General Roofing Mfg. Company.

A book of this kind should be in your possession. We recommend that you get a copy. If you can't find a dealer in your town who will get you a copy write the advertising manager of this paper and he will see that you get one.

## A 200-EGG INCUBATOR.

The most difficult problem of all poultry raisers has been entirely overcome by a German poultry specialist, operating in this country, through his simple Natural Hen Incubator, which uses the hen herself. The problem of getting as strong and healthy chicks as the hen herself could ever hatch has confronted incubator manufacturers practically ever since the first incubator was manufactured.

No manufacturer has even been able to claim such a feature on his incubator, until Mr. Siems put his system on the market several years ago, which has won raisers.

The system patented by Mr. Siems is astoundingly simple, even though it offers the poultry raiser far more advantages than have ever been found heretofore.

The Natural Hen Incubator has proved a success in every way. It does away with lamps, oil expense and trouble, hot death-dealing fumes, uncertainty of temperature, and the possibility of losing the entire hatch by allowing heat to go out.

In the Natural Hen Incubator, where Mrs. Hen is the controlling feature, she is kept strictly on the job until the entire hatch is produced, and it is safe to say that her work with the Natural Hen Incubator has a much higher degree of certainty than she has ever been able to claim where she worked independently and alone. The uniform hatching produces a larger percentage of chicks.

The address of the Natural Hen Incubator Company is Station H., Dept. 4, Los Angeles, Cal.

Simmons & Crittenden, Geneva, Ohio, will have many fine breeders for sale after May 20th. Anyone who desires to get some choice Rose Comb Rhode Island Red breeders at reasonable prices should bear this in mind.

# BESUDEN BROS.' CHAMPION BUFF WYANDOTTES

Have proven their superiority over all others by their wonderful and unequalled show record.

At six of America's greatest shows in the fiercest competition they won 30 out of a possible 32 first prizes and nearly every other prize of importance. Showing at the Great Coliseum Show, Chicago, Nashville, Ohio and Indiana State Fairs, Hamilton and Cincinnati Shows.

This record demonstrates certainly beyond doubt that we have

## The Real Champion Buff Wyandottes

For the 1913 egg trade we have 20 of the most beautiful pens ever mated. Each bird at the head of every pen is a noted winner. All mated with the finest lot of Buff females in existence. Over twenty years of scientific breeding and rich blood lines back of this flock.

## The List of Winners Heading 1913 Matings

Cockerel—First, Cincinnati, 1913.  
Cock—Sturdy Boy First, Boston, etc.  
Cock—First, Cincinnati, 1913.  
Cock—First, Nashville, and Ohio State, 1912.  
Cock—First, Chicago, 1910.  
Cock—First, Toronto, 1911.  
Cockerel—First pen, Chicago, 1912.  
Cock—First, cockerel, Columbus, 1912.  
Cock—First, Cincinnati, 1912.  
Cockerel—First, Pen, Cincinnati, 1913.

Cock—First, Grand Central Palace, 1911.  
Cockerel—Second, Cincinnati, 1913.  
Cockerel—First, Nashville, 1912.  
Cock—Second, Boston, 1911.  
Cock—Second, New York, 1911.  
Cock—First, Indiana State Fair, 1912.  
Cock—First, Columbus, 1912.  
Cockerel—First, Hamilton, 1912.  
Cock—First, Pen, Boston, 1911.  
Cock—Fourth, Chicago, 1912.

We will raise chicks and sell eggs from every one of the above matings. To win the most coveted prizes you must have Champion Buff Wyandottes.

THE GREATEST SHOW BIRDS.

THE MOST WONDERFUL LAYERS.

Send for our Free beautifully illustrated mating list.

Besuden Bros., C. A. Besuden, Prop., R. W. Sturtevant, Mgr., Box 359-B, Cincinnati, Ohio



## INCUBATION.

The Hall Mammoth Incubator Company, who were the originators of Mammoth Incubators and who have behind them a record of nearly forty years of continuous experience in incubator construction and operation, are not content to rest wholly on the laurels of past achievement.

Their latest step toward keeping pace with the progress of the hatching industry is the establishment of a research laboratory in incubation. This enterprise has been under consideration by the Hall Company for some time, but a commercial laboratory is more difficult to launch properly than a scientific one.

If, for instance, a man whose training has been purely scientific be put in charge, he will tend to devote his energies to those phases of the work which may be better handled in universities or at government experiment stations. On the other hand, if the enterprise is left wholly to a practical man, who is not schooled in science, he is likely to fail to grasp basic principles in his thinking; and, because of his lack of scientific training, his findings are in danger of being discounted by the scientific world.

In the incubator business—at least from the manufacturer's viewpoint—the research man must be not only a poultryman, but also a mechanic or engineer. From biology, chemistry and practical poultry culture, he will derive his problems, but he will have to work them out in the machine shop. Above all he must know human nature and appreciate what the busy poultryman can understand and utilize and what he cannot, or at least does not, take time to learn.

The man who best combines these qualities in the eyes of the Hall Company is Mr. Milo Hastings, who was selected to take charge of this research laboratory department and who quietly began the work the first of the year.

Mr. Hastings constructed his first incubator at the age of eleven. His father was a retired minister living on a farm near town and the son worked his way through high school with a flock of hens. Entering the Kansas Agricultural College, he immediately applied for and secured the position of poultryman, which place he held until graduation.

At this time (ten years ago) experiment station poultry work in the Middle West was in its infancy and appropriations meager. Despite the difficulties Mr. Hastings built up quite a plant and published several poultry bulletins. In 1904-5 he conducted the first experiment station egg laying contest in the United States. In conjunction with the chemical department he completed one of the most thor-

Government to undertake a nation-wide study of the egg trade. While awaiting the beginning of these duties he was employed in the egg department of the Armour Packing Company.

Of Mr. Hastings' work in the Department of Agriculture and his findings concerning the losses in egg marketing, cold storage methods, etc., the poultry world is familiar.

Since resigning from the government service, Mr. Hastings has had headquarters in New York City, and has been engaged in poultry and scientific writing and as an engineer or expert in cold storage and incubating problems. He has designed and constructed a number of poultry plants and installed several large hatcheries. For the last two years he has been largely engaged in private investigations in incubating, which research will be continued with the larger facilities which the present connection will offer.

Mr. Hastings is exceptionally well traveled and has studied the poultry and hatching industries from the Atlantic to the Pacific and from Canada to the Gulf Coast. During the past year's hatching season he spent five weeks in the world-famous poultry district of Petaluma, California, where the hatcheries within a ten-mile radius have a combined capacity of nearly a million eggs at one time.

With the source of practical information and opportunity for the study of hatching on a large scale which the Hall Company and its patrons can place at his disposal, a man of Mr. Hastings' ability and experience may certainly be expected to add something worth while to our store of knowledge. Moreover, when there is anything new to tell, the poultry public may look forward to something readable as well as informative, if the opinion of Mr. H. H. Stoddard, himself a veteran poultry writer, is to be taken as a criterion. Mr. Stoddard in the American Poultry Journal, of which he is associate editor, recently said:

"As a general poultry book, the Dollar Hen is the best by long odds that I ever held in my hand. Aside from the subject matter of the work, Milo Hastings, the author, has used in its pages some of the best English that has ever appeared in poultry literature to my knowledge."



First and champion Barred Rock male at National meeting of the Barred Rock Club, Charlotte, Jan., 1913. Bred and owned by M. B. Hickson, Lynchburg, Va.

ough analytical studies of eggs that has ever been made.

After taking his degree at the agricultural college, Mr. Hastings took up special work in egg bacteriology. While at the Kansas Experiment Station he had made a special study of the egg marketing business of his state and had interested the United States Department of Agriculture in the problem. As a result he was later appointed by the Federal

# BESUDEN BROS.' PURITAN PARTRIDGE PLY. ROCKS

Their wonderful winnings at four of the leading shows demonstrates the quality of stock we have in our yards. At Chicago, Louisville, Indianapolis and Cincinnati Shows, in hot competition, we won every first we competed for except two.

Our Grand Champion Cock, Pride of Ohio, winner of championship cup at Cincinnati, and First at Indianapolis, will head one of our matings. Breeders and judges pronounced this bird as the most typical Partridge Rock they ever saw. For the 1913 eggs trade we have 10 Very Select Matings.

Every pen headed by a male of the richest blood lines. We know that we can furnish our customers with as good Partridge Rocks as any breeder in the world—and at very reasonable prices.

## LIST OF MALES HEADING 1913 MATINGS

- Cock—First, Cincinnati, 1913; First, Indianapolis, 1913.
- Cockerel—First, Cincinnati, 1913.
- Cockerel—First, Louisville, 1912.
- Cock—Heading First Pen, Cincinnati, 1913.
- Cock—Second at Cincinnati, 1913.
- Cockerel—At Head of First Pen, Louisville, 1912.
- Cockerel—Third, Indianapolis, 1913.
- Cockerel—Heading Second Pen, Chicago, 1912.
- Cockerel—Sired by First Madison Square Garden Male.
- Cockerel—Full Brother to First Chicago Cockerel.

These males are mated to female winners at Chicago, Louisville, Indianapolis and Cincinnati.

We also have in our yards the wonderful pullet, Chicago Queen, winner of First at Chicago, Dec., 1912, and hen from First Madison Square Pen. Also that great breeding hen, Rose of Oaklyn, the greatest breeding hen in this country. We will sell a limited number of eggs from every pen. Orders for eggs should be booked early. Send for our free beautifully illustrated mating list.

**Besuden Bros., C. A. Besuden, Prop., R. W. Sturtevant, Mgr., Box 359-B, Cincinnati, Ohio**



SECOND PRIZE COCK

ROSE COMB  
RHODE ISLAND  
RED COCKS  
WINNERS AT  
CHICAGO  
SHOW  
DEC. 1912.

THIRD COCK

FIRST PRIZE COCK

BRED AND  
OWNED BY  
BUSCHMANN-  
-PIERCE  
-R.I. RED  
FARMS,  
INDIANAPOLIS  
IND.

A.C. Schullinger 1912.

### MONMOUTH FARMS.

We have just received the catalogue of the Monmouth Farms, J. Courtney Punderford, owner, Freneau, N. J., and find it a creation of artistic skill and valuable common sense text. In this is shown a color plate of a trio of Mr. Punderford's S. C. Buff Leghorns taken from his first prize pen at Madison Square Garden, New York, December, 1911. It is a beautiful piece of work, in fact admirable. The cockerel, as well as the two pullets, in shape and style are life-like and as rare specimens as have ever been shown of this variety. In color they are the correct shade well for all breeders to follow. Mr. Punderford has led the way with his

Buff Leghorns for years, and in his efforts to produce and give his customers the very best has met with wonderful success.

In S. C. White Leghorns this line has also been placed up with the leaders, for with them Mr. Punderford has won honors and fame almost equal to that of his buff line. At Atlanta, Ga., December 14-21, 1912, in competition with a great class he won on White Leghorns—Cocks, 1, 2, 3; hens, 1, 2, 5; cockerel, 2, 3, 4, 5; pens, 1, 2, and Sweepstake Special for best cock bird in the show. Then showing sixty birds of both varieties he had fifty placed birds and winning the best prize offered on cocks in the show.

This year at Madison Square Garden,

New York, he entered but one pen of Buff Leghorns, and for the fifth year in succession won first pen.

The catalogue gives a careful description of all matings in both varieties, letting the buyer know just what he has put in each pen and what they may expect from each. There is value here and every Leghorn man should have the catalogue.—H. P. Schwab.

### BEFORE SUBSCRIBING

For the American, look up our special offer on page 631 of this issue. Quite a saving in price is made by taking advantage of the special combination rates quoted.



**C. H. WELLES, STRATFORD, CONN.**

On our return from the east we spent a day with C. H. Welles of "Fluffy-Ruffles" fame, and if he never did another thing, he could retire, ever receiving the plaudits of the appreciative breeders for what he has done for the Barred Plymouth Rocks. We have written pages of "Fluffy-Ruffles" and pages more of her progeny, and as long as time lasts, the breeders will refer to her and with credit claim some of her blood lines. There never will be any better.

This season Mr. Welles has made his matings with particular care; he has the Fluffy-Ruffles line intact, and this with the line of his 3rd New York hen, represent the two lines of females that have made his reputation as a breeder and held it up on the very highest pinnacle of merit.

**Pullet Matings.**

We have noted these matings for years and last year said he had the best we had ever seen. The result has fully borne out that statement, for after selling for many years at the leading shows birds that won, he has here this year again a greatly improved stock of birds, sure to again produce the quality demanded of him.

The first pen entered was a very bright clean pen of females with extra nice wings and a rich colored and narrow barred male of beautiful form and fine head, strong red eyes, etc.

Pen Two—A combination of excellence, the very highest type of exhibition females, correct in color and barring, all have the best of wings and are cleanly

under-barred; shape with even, sound color is a feature here; size excellent, all over standard. These females were all hatched June 12th and 16th, last year, going to show that late hatched birds can be matured and that they have the very best and richest of color. The cock heading this pen is a marvel in general quality, grandly barred, very sharp and narrow and of extra carriage. A pen of particular merit.

Pen Four—A beauty male and very bright and snappy females. We will expect grand results from this mating. All here line back to "Fluffy" and her sire.

Pen Five—Very much like pen two and a wonder in all-around quality. The cockerel for a light bird has the true blue cast and is most beautifully barred. A large, strong fellow who stands well. We dote on the females in this pen; all are of the best and here one in particular is about the sweetest to be seen any place. I doubt if one her equal ever lived. We told Mr. Welles that if she kept coming she would remind us of "Fluffy" in her palmy days. Nothing can beat "Fluffy," but this looks like a near one.

Pen Six—A grand male with full and low carried tail, and the best of under-color and very even surface color and barring. The ten females here are a selected lot of choice quality. Wings of the best and straight barring of equal width.

Pen Eight—Headed by the male we wrote of particularly last year. He has proven a wonderful breeder and as now mated should produce better than ever before. His mates are marvels in quality, surface and under and all have the best of wings.

Pens Fourteen and Seventeen are in the same class; all females alike and of even quality, uniform shape and well carried. Both are headed by exquisite cockerels, full of character from which results can be expected with every assurance.

Pens Nine, Ten and Sixteen are very close up. Here runs the blood lines of Mr. Welles' best just as freely as in the other matings. Males and females are all we could desire in real high class matings.

**Cockerel Matings.**

While Mr. Welles' specialty is the female line, his cockerel matings have always been a feature. Referring to the M. S. Garden, New York, Show records we find he has won nearly as many firsts and other awards on males as he has on females. His record of winning four of a possible five firsts at the garden a few years ago is well known and at the 1911-12 garden show he won first prize cock and "champion male special." His cockerel matings this year, of which there are three, are all headed by sons of that cock. They have his exquisite narrow barring, grand under-barring and splendid type. The females are a grand collection of rarest breeding quality, snappy and strong barred, with fine breasts, full and low carried tails and the best of eyes.

With grand and uniform mating in all three pens we feel safe in predicting results here. Blood lines are sure to tell. - Mr. Welles did not show the past season, as he was called to judge the Barred Rocks at Madison Square, New York, where he handled the hens, pullets and pens, and at Boston, where he judged the whole class, which was one of the largest



Of the new breeds that are at present holding the attention of the American Poultry Fanciers, none is more worthy of this interest, both from the standpoint of beauty and utility, than the Silver Campines. The great danger that the breeder of this variety must guard against, is contamination of Brackel Blood. The unusual demand for these birds exceeds the supply of pure-blood fowls, and, in consequence, many unscrupulous foreign breeders have not hesitated to misrepresent the blood lines of their birds. I have had the opportunity of visiting the yards of Mr. Frank E. Hering, at South Bend, Ind. I have handled his birds and photographed his winners at the recent Chicago Show. His plant and his birds are alike worthy of admiration. The type and markings of his Silver Campines come as close to the accepted standard as any birds of this variety that I have handled this year. Louis A. Stahmer, A. P. J.



ever seen there, a rare compliment for Mr. Welles.

Mr. Welles' mating list is sent for the asking. Get this, look it over. The "Fluffy Ruffles" line will satisfy you with quality, depend upon that.—H. P. Schwab.

#### CRYSTAL STRAIN WHITE ROCKS.

Mr. C. G. Mueller, Lansdale, Pa., the owner of the Model Farms at Lansdale, Pa., and breeder of the Crystal Strain of White Plymouth Rocks, has issued one of the nearest catalogues we have seen and which he is sending free of charge to all interested breeders.

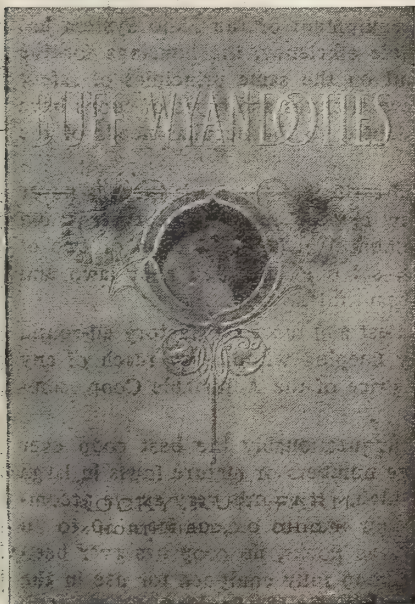
We have visited these farms and personally know Mr. Mueller and his stock. The farms are located close to Lansdale and in one of the best poultry sections we know of; soil and climate seem particularly well adapted to poultry growing. The farms consist of fifty acres, all of which is devoted to White Rocks. The equipment is complete in detail, the land gently sloping to the south.

Eggs for hatching, baby chicks and choice stock are the specialty here, and the demand that has been created is surprising to all but those who know Mr. Mueller's way. He gives his personal attention to all orders and is his own manager as far as running the business goes. Poultry has always been his hobby, but it, like all his interests, has strict business principle back of it that further assures confidence in the man and stock.

The article in his catalogue, "Why We Breed White Plymouth Rocks," is well worth reading, for it shows the man who wrote it at his true form. We have before written of this plant, and we hope to soon again visit them and tell our readers more of their stock. But as the season is getting late we wish to call attention to their goods and have those interested get a catalogue.—H. P. Schwab.

#### A BUFF WYANDOTTE CATALOG WORTH WHILE.

What is probably the best Text Book and Catalog on the breed has recently been issued by the Rocky Run Farm. Comparing in quality, as far as the printing goes, with the best issued by any mercantile firm, it is far ahead as a Text



Book on the breed of any other Catalog ever received at our office, and the book is easily worth a dollar to any Buff Wyandotte breeder. To increase the interest in the breed they are sending it for 25 cents, just what it cost them. Better send for it at once to Rocky Run Farm, Box 50, Northfield, Ohio.

#### AN ERROR.

In our March issue appeared the advertisement of H. A. Jacobs, Peoria, Ill., in which was stated he was a breeder of White Plymouth Rocks. This was an error, as Mr. Jacobs is a specialty breeder of trap-nest pedigreed prize-winning Buff Plymouth Rocks. He is offering a limited number of eggs this season from his trap-nested matings. Write him and mention American Poultry Journal.

## Rose Comb Black Minorcas

First cock, first hen, first cockerel, first pullet at St. Louis 1912; first cock and first hen on White and Fawn Indian Runner Ducks. J. S. BALES - ROUTE 2, SPRINGFIELD, ILL.

## Billings' Rhode Island Reds { BOTH COMBS

have that brilliant, rich, even surface color, with strong, deep red undercolor, with fine head-gear, long bodies and black markings that appeals to the most careful breeder. Have won at Cleveland and many of our largest shows. 1000 head choice breeders and exhibition birds to sell. Eggs selected matings, \$5. per 15 or 3 sittings \$10. Fair hatch guar. Send for mating list. Write wants.

## B. M. BILLINGS, : Box A, Oberlin, Ohio

## WHITE ORPINGTONS - WHITE ROCKS

### INTERNATIONAL CHAMPIONS

Birds from my yards have won at Dairy and Palace Shows in England, also in New Zealand and at every big show in Canada, New York State Fair 1911 and 1912, ten firsts; Michigan Roundup show, five firsts; Madison Square 1911, 1st, 2d, 3d, 5th and 6th. Birds sold on approval. Duty paid to the United States. Send for mating list. Please mention American Poultry Journal when writing.

HIGHWORTH POULTRY YARDS : Fred A. Andrewes, Prop. : LONDON, CANADA



## Let Chas. A. Cyphers Save You 50% On A Standard Buffalo Incubator

The Cyphers who is "The Recognized Authority" on Artificial Hatching.

The Cyphers who made Commercial Hatching Possible.

The Cyphers who discovered the Cyphers Principle.

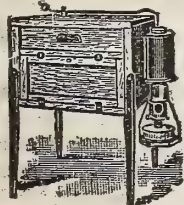
The Cyphers whose Incubators Circle the World.

The Cyphers who will sell you his latest creation, the "Buffalo" at half the Standard Price.

**Let Me Save You 50%** My new Incubator, the Buffalo, fulfills the life-long demand of thousands of poultrymen. It offers all the quality of the best high priced incubators, at just half the price of any other incubator containing the Cyphers Principle.

## Sterling Principles Maintained

Every vital principle that made my Original Cyphers a World Success is embodied in the Buffalo. The same three-compartment heater; the diffusive ventilation; and the sensitive and accurate regulator; combined with heavy insulation and durable construction; with refinements not included in the original. Buffalo Incubators insure you big hatches of strong chicks that live and are easily raised to make money for you.



The Buffalo is simply a wonder. I am proud of it. There is nothing cheap about it but the price.

I offer you an incubator that is second to none in **Durability, Reliability, or Quality.** You can't get a better incubator than the Buffalo, no matter how much you pay. You can't get one as good. There are incubators and incubators, and nearly any of them will hatch some chickens. The biggest profits are made by operating the Buffalo, which will hatch a strong and vigorous chicken from every hatchable egg.

### Note My Low Prices:

Offer No. 0—50 to 60 Egg Size—Ship. Wt. 65 lbs. \$10.50 | Offer No. 2—220 to 240 Egg Size—Ship. Wt. 130 lbs. \$19.00  
Offer No. 1—110 to 120 Egg Size—Ship. Wt. 90 lbs. \$14.50 | Offer No. 3—340 to 360 Egg Size—Ship. Wt. 160 lbs. \$24.00

My Brooder Prices Are Equally Low.

## The New Big 4 1620 Egg Capacity INCUBATOR \$94.00

An Incubator—and a hatcher—occupies same floor space as any standard 360 egg machine. Incubating section run in conjunction with your present hatcher will increase its capacity by 1080 eggs.

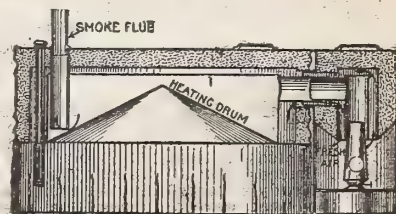
Incubating section alone, 1080 egg capacity, operated with one lamp, costs but \$60.00.

### Something New in Hovers

Buffalo Handy Hover \$8

Buffalo Home Hover \$7

The Buffalo "Handy" is a floor level hover—sanitary—perfectly ventilated—heats easily—uses little oil—flame can be seen without stooping. Send postal for fuller description, or better, send along your order before we are over-sold.



Buffalo Handy Hover—100 Chick Capacity

**Chas. A. Cyphers,** President Buffalo Incubator Co., 465 Dewitt St., Buffalo, N. Y.



**A. C. HAWKINS, LANCASTER, MASS.**

Lancaster, Mass., is one of the places put on the map by a poultryman and for thirty-five years or more Mr. A. C. Hawkins has kept it there and yearly has made its influence felt to a greater extent. He is one of the old guard, one of the very first to take up the Barred Rocks, and from the very beginning has been their loyal champion. He is one of the three men that the future will look to with honor for what they have done for the variety.

Mr. Hawkins' career is one of interest. From the first he has been a leader, always progressive, and an exhibitor and winner at Madison Square Garden, New York, from their first to last show. Since January, 1909, he has won first cockerel twice at New York and several other awards on cockerels and cocks, including first and special prize cockerel mating pen January, 1912. At Chicago, December, 1912, he won four first prizes and champion sweepstake cup for best display.

From the breeder's point of view Mr. Hawkins is a past master in the art of mating, and in both cockerel and pullet matings he has shown birds that have won undying fame for him and his customers the whole world over. At the late New York Show he made a display of a pen of his pullet breeders that attracted special attention. In even, bright surface, narrow, clean barring in surface and under, exquisite style and shape, the male seen here was a model worth patterning after. The females are of the same high class. At Boston he displayed a pen of cockerel breeders of greatest worth; here again the male was a wonder in shape and the best of barring; he was a model, snappy, clean and bright, of proper rich blue shade. The females were of equal and exceptional worth.

Besides the Barred Rocks, Mr. Hawkins also breeds White Rocks and Columbia Wyandottes. In White Rocks he has been a consistent winner for years at Boston. There in 1912 he won about all offered and for year has a fine record there. We hope to visit Mr. Hawkins again later and to write of his matings. His new catalogue for the asking.—H. P. Schwab.

**ROSEMONT FARM'S S. C. BROWN LEGHORNS.**

It has been a long time since we saw such a fine lot of Brown Leghorns when we visited Rosemont Farm, Webster Groves, Mo. Mr. Shultz, who has bred this strain for the past nine years, is an up-to-date fancier, and always wins the blue ribbons in the large western shows. His hen, "Rosemary," has been pronounced perfect by such leading man as Judge Heimlich. Mr. Shultz informs us that he will sell a limited number of eggs from this bird. Any reader of American Poultry Journal should not overlook this fact. Write Mr. E. V. Shultz, Webster Groves, Mo., for mating list and any other information about Brown Leghorns. He is a man who knows. We guarantee him.

**JAMES S. BRADY, PARKERS LAND-ING, PA.—S. C. WHITE ORPINGTONS.**

It is seldom we have the opportunity to chronicle a sweeping victory such as was made by Mr. J. S. Brady at the late Pittsburg Fanciers' Club Show, held February 17th to 22nd, 1913, when in a great beauty class string in numbers and in quality he won: Pen, 1st; cock, 1st; hens, 1, 4, 5; cockerels, 1, 2; pullets, 2, 3, 5. Display, special; two cups, and the Sweepstake Special for best pen in the show.

In mating, evenness and extra condition it is hard to imagine a stronger or better pen than this. The male, a wonder in form, grandly carried and at his best. The four females, all alike and of the choicest quality and of even grade. Both the first and second cockerels were in a class by themselves, nice fronts and backs and nice heads. All birds had extra strong red eyes.

In this exhibit Mr. Brady has proven his mettle and worth as a breeder, he has brought his birds right up to the front and promises to keep it there. He deserves success for all he has done.

Mr. Brady's record in the show room for the past several years has been a very enviable one. The first prize cock bird at the late Pittsburg show was first cockerel at the same show in 1912. His noted hen, "Lady of Quality," won 13 first prizes without a break, and he informs us that he has another hen that is

her equal, if not her superior. Princess Mary is her name. She has been exhibited twice and won twice. He is making a specialty of shipping eggs for hatching by parcels post this season and is ready to fill all orders, no matter how large or how small. Get into communication with him if you want something good in White Orpingtons.

**M. B. HICKSON, LYNCHBURG, VA.**

On our return from the Charlotte, N. C., show we had as a fellow passenger (part of the way) Mr. M. B. Hickson, a man whom we consider one of the shining lights of the fancy in the Southland. Our reason for forming this opinion is based upon what Mr. Hickson has done for better poultry in Virginia and the South.

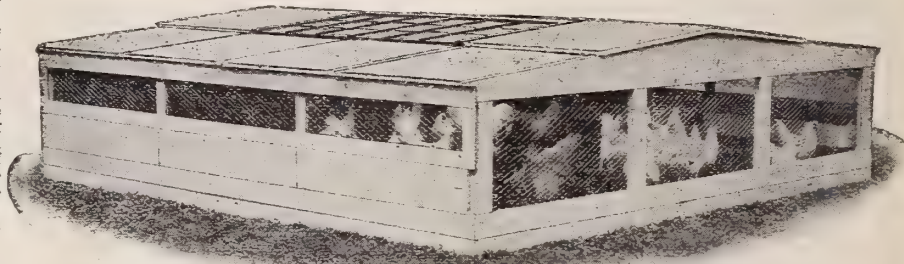
He is more than a fancier; he is a lover of the Barred Plymouth Rocks, and with his personal interest in them is bound to make more records and more progress. His winnings for the season of 1912 at the Richmond State Fair, Lynchburg and Charlottesville, read most like one of Andersen's tales; they were com-

plete in detail. At the Charlotte, N. C., great show, the annual meeting show of the American Barred Rock Club, in a great class of beauty and quality, he won cocks, 1-3; hens, 1-2-3-5; cockerels, 1; pullets, 2-4-8; pen, 2; cockerel bred hen, 1; pullet bred male, 3. The club cup for best cock, hen, cockerel, pullet and pen. Special for champion male; best colored male; association \$100 cup for best male bird in entire show, completing a record that stands strong for his line and their quality.

Mr. Hickson's mating list is free to all; it describes his matings and is illustrated with pictures of his birds and a plate of handsomely barred feathers. Get this list and write Mr. Hickson your wants. He will surely satisfy you.—H. P. Schwab.

**THE PARKWAY FARM.**

The Parkway Farm, Barton T. Fell, owner, at Trenton, N. J., makes a specialty of Silver Pencilled and Partridge Rocks, Silver Campines and S. C. Black and White Leghorns. During the past season we have seen this line at several



# The Philo Method of Housing Poultry

**J**UST as the hatching and brooding equipment of the Philo System has been brought to the highest possible efficiency, the housings for the mature birds have been worked out on the same principles of safety and comfort; cleanliness and health. Several styles and types of coops have been perfected for various ends, all adapted to the peculiar needs of the System.

With the Philo System of housing and caring for the fowls there is never the slightest objection to keeping a few hens in the best kept yards and gardens, and it is no longer an uncommon sight to see a coop or two of laying hens, and often of baby chicks, set out on a well kept lawn and often surrounded by roses and other beautiful flowers.

The Philo Adjustable Coop is the latest and most satisfactory all-round coop for small flocks and puts poultry keeping within easy reach of any family having a small plot of ground. Price of the Adjustable Coop, complete, for six hens, \$12.00.

The Utility Coop shown above is unquestionably the best coop ever built for housing growing chicks in large numbers or mature fowls in large flocks. It is 12 feet square and 3 feet high. It affords very ample accommodation for 100 chicks from two to four months old, or from 50 to 70 mature fowls. As a laying house for large flocks, no coop has ever been placed on the market to equal it. The coop fully equipped for use in the Northern states \$40 f. o. b. Elmira. As built for the South \$35.

Other Philo Equipment includes Brooder Coops, Economy Laying and Breeding Coops, Fireless Brooders, Poultry Remedies, Feeding Troughs, Drinking Fountains, and other equipment and accessories for the well conducted poultry plant. These are described and illustrated in our book "Poultry Profits by the Philo System." This book is sent free. Send for a copy today.

## Cycle Hatcher Co.

323 North Avenue, Elmira, New York



of the leading shows, where they have made a record of credit to the quality of stock bred there. At the Great Atlanta in December they won as follows: Silver Penciled Rocks—Cock, 1, 2, 3, 4, 5; hens, 1, 2, 3, 4, 5; cockerels, 1, 2, 3, 4, 5; pullets, 1, 2, 3, 4, 5; pens, 1, 2. Silver Campines—Cocks, 1; hens, 1; cockerels, 3; pullets, 3; pens, 1. Partridge Rocks—Cocks, 3; cockerels, 2; pullets, 2; pens, 1. Black Leghorns—Cocks, 1; hens, 1; cockerels, 1; pullets, 1; pens, 1; \$50 special for best display, etc. They have also been prominent winners at Allentown, Trenton, Hagerstown, etc.

Last fall we visited these farms and spent a day with Mr. Fell. His line of Silver Penciled Rocks is undoubtedly the largest and best in the country, and with Mr. John F. McKay as his manager has one of the best posted men on this beautiful variety. Their stock is very large and its grade is of the best. Campines have also been a favorite with both Mr. Fell and McKay.

In Leghorns they have a beauty flock, the best money and brains could produce. Their plant has been enlarged and in

future they hope to supply all demands for eggs and stock. Write them for particulars and rest assured of their full reliability.—H. P. Schwab.

### HIGH GRADE POULTRY HOUSES AT LOW COST.

The accompanying illustration is reproduced from a photograph of one of the popular poultry houses made by Potter & Co., Downers Grove, Ill. These houses are made in convenient close-fitting sections at the factory and are shipped with full instructions for erecting so that anyone can quickly and easily erect a complete house with all fixtures at very little cost. All joints fit closely; the material is of the best; all workmanship is carefully done and the sections are so reinforced that when set up ready for use a Potter House is substantial, wind-proof, water-tight and exceptionally convenient in arrangement.

In building these houses particular attention is given to the matter of ventilation and sunlight so that the health of

the birds is best protected. The house shown here is the biggest seller Potter & Co. make. It measures 8x20 ft., is 7 ft. high in front and 5 ft. in rear. Has partition in center. Floor in roosting room, linged windows and door, as illustrated. Also a complete Potter Henhery Outfit No. 23, suitable for 60 hens. The price of this house, painted 2 coats and delivered freight paid, is \$75. Price unpainted and freight paid of \$71.50.

At such prices one really cannot afford to bother with building his own poultry houses and fixtures. In ordering the complete house there is no carpenter to pay, no lumber wasted, none left over and no fixtures, windows, etc., to bother about. Potter & Co. print a large catalogue showing twenty-two different styles of houses; also a full line of vermin proof fixtures, feeds and supplies. This book will be mailed to any address for 20 cents in stamps, which amount will be deducted from the first order you send them. Address Potter & Co., Box —, Downer's Grove, Ill.

### THE VALUE OF GOOD BREEDING.

As a rule, each chick costs at least 5 cents to hatch, figuring it on a basis of eggs set, money invested, etc. It is not surprising, therefore, that baby chicks bring 10 cents each and upward. Such being the case it is highly important that every chick possible be raised to maturity, for the loss of ten chicks is a dollar at the very least.

These facts are being realized more and more and the demand for proper brooding equipment is rapidly increasing. It is generally conceded that hot water gives the healthiest heat and for brooding from 300 chicks upward this is best done under a system of hovers with a hot water heater and piping to carry the heat to each hover. This system was originated by the Candee Incubator & Brooder Co., Eastwood, N. Y., and they welcome all questions as to how to brood chicks. One can, therefore, feel free to take up any brooding problem with them.

### RIGHT FENCE AT RIGHT PRICE.

This is a proposition that confronts the farmer each fence building season. You no doubt have a place on your farm for a certain weight fence or some particular height, and in a great many cases you have trouble in finding just what you desire. It would not be economy for you to buy a greater height or a heavier fence than is needed, when you can get a fence for less money that will exactly meet your requirements. The Coiled Spring Fence Company of Winchester, Ind., manufactures fifty different heights and styles, and they are in a position to furnish you most any kind of a fence you may require. The company sells direct to the farmer at money-saving prices, and you should write for their catalog. Their ad appears in this issue.

### A FARMERS' SEED HOUSE.

At LaCrosse, Wis., is the center of a rich farming district where the red clover and alfalfa flourish, where the barley and oats return year in and year out bountiful yields, where field peas and seed corn furnish the dairyman abundant crops, and where forage plants, like sand vetch, Billion Dollar Grass, hog clover, give yields that gladden the heart of the farmer and fatten his purse. And in this district the John A. Salzer Seed Company have for years grown their famous pedigree seeds, which have found a home upon every wideawake farm throughout the north and central west and everywhere have increased farm yields.

This year the Salzers make a great specialty of seed oats, seed corn, seed barley, seed potatoes, field peas, sand vetch and alfalfa clover, all pedigree strains bred right up to health, quality and big yields, and their 1913 catalogue, which is gladly mailed you upon request, bristles with seed truths. Write them today.

Geo. Wolfrum, Carey, Ohio, breeder of Single Comb White Leghorns, made a grand record at the late Cleveland Show, when he won on ten entries in a class of over 130, 1st, cock; 1, 2, 5, hen; 1, cockerel; 1, pullet; 1, pen; best display and all specials. His birds all have long backs, well spread tails, fine head points and are as white as snow, to the skin. Any one desiring to improve their flock cannot do better than get into communication with Mr. Wolfrum. Look up his ad in this issue.



## 500,000 Chicks Hatched in 400 Cycle Hatchers

**W**E HATCHED this number of chickens last year in our own factory, and they were sold for \$14,500.00, and shipped to nearly every State in the Union. In addition to these, several thousand were hatched for raising in our own yards. We make Cycle machines for our own use and make large profits by using them.

When a manufacturer can make large profits by using his own goods, it is the very best guarantee that others can make money by using the same goods.

Some machines are made to sell. Ours are made to use and we use them and others who will use them can make large profits just as we do. You can start our way without having a fortune to start with. Our business has been built up without any borrowed capital.

Our chickens are hatched right and are strong; that's the reason they grow and are profitable.

While first of all we are manufacturers of incubators and poultry supplies, our manufacturing is founded upon the years of practical and successful poultry keeping experience of Mr. E. W. Philo, probably the best known practical poultryman of America.

Every article of our manufacture is the result of years of study and experiment—and must prove of actual, practical value, that will make it a profitable investment before we will offer it to the buying public.

Our experimental work is done in our own poultry yards—and here we meet almost every kind of poultry problem. We have undoubtedly had many problems similar to yours, and you are offered the benefit of our experience.

Write for a free copy of poultry book and catalogue, "Poultry Profits." It will show you new possibilities in poultry keeping, for pleasure or profit.

## Cycle Hatcher Company

Main Office, 322 North Ave., Elmira, N. Y.

Or address our nearest branch office:

Chicago, Ill.    Houston, Texas    Des Moines, Iowa    Denver, Colo.    Jacksonville, Fla.  
Lake Preston, S. D.    Oakland, Calif.    Atlanta, Ga.    Aulander, N. C.



## All Steel Triple Wall Double Air Space Incubator



It bears the label of the Fire Underwriters, which insures durability and protection. It is built entirely of metal, with exception of the pressed fibre inner lining. Double air space on all sides, top and bottom. Send for our catalog showing the most complete line of Poultry Supplies in the United States. When writing mention A. P. J.

Macomb Poultry Supply Co. Box A Macomb, Illinois

## Champion R. C. Black Minorcas

Win for us again this year at Madison Square Garden, New York. New York 1911 cock 1st on one entry; 1912-1913—cock 4th, hen 1-2, cockerel 2d, pullet 1-4, pen 1st, best display ten exhibitors, 71 birds on exhibition. At the International, London, October, 1912, won cock 1-2, hen 1-2-3, cockerel 1-2-3-4, pullet 1-2-3-4, all specials, silver cup for best exhibit of Minorcas. Ontario, Guelph, December, 1912—Cock 2-3, hen 1-2-3, cockerel 1-2-3, pullet 1-2-3, best display. These winnings together with previous years at Scranton, Pa., and all leading Canadian shows places our champions in the front ranks. Come to headquarters and secure the best. Remember your success is our success. Eggs and stock for sale, prices right. Muscovy Ducks. Mention American Poultry Journal when writing.

Ross Swartout, Mgr. and Prop., Geo. Rott, Farm Supt., Box C, Newport, Ont., Can.  
A. P. A. Member International R. C. B. Minorca Club Canadian Minorca Club Member

## Blue Orpingtons

My birds were the sensation of the show season, winners of more prizes than all breeders put together. Boston, 1913—Won all firsts, all seconds but one. Eggs from my champions \$20.00 for 15 eggs after March 1st. Now is the time to send in your order for a Trio or Pen-delivery Sept. 1st, Oct. 1st.

Pine Lodge Farm, W. H. Depper, Prop., So. Lincoln, Mass.  
President The American Blue Orpington Club

## Fluffy Ruffles Barred Rocks

The World's Champion Strain Continues to Win Wherever Shown

**"FLUFFY RUFFLES"**—The \$1,000 hen, and her kin have won for me and my customers more prizes at Madison Square Garden in five years than any other strain.

This record does not include Specials or winnings of my customers. No other pullet line has ever equalled this continuous win.

**"Fluffy Ruffles" Strain is Winning Now for My Customers, for Me, and Will Win for You**

I am in a position to furnish from this World's Champion Female Line choice selections of Stock or Eggs to all those wishing the best. My line of males for this season is headed by the 1st Cock at Madison Square Garden, 1911. This winning stamps him as the finest specimen of this variety in the world. For prices of the above phenomenal strains write, mentioning American Poultry Journal.

WELLESLEA FARM POULTRY YARDS  
C. H. WELLES, Prop. --:-- STRATFORD, CONN.

## GOLDEN SHEAF BUFF ROCKS.

Near the thriving town of Sharonville, Ohio, a few miles from Cincinnati, lies the Neduseb Poultry Farm, where the Golden Sheaf Buff Rocks hold forth in all their beauty and quality as well as quantity. Before going any farther let us pay tribute to the name of the strain "Golden Sheaf." Could any name be more clever? The owner and proprietor of Neduseb Poultry Farm is one of the firm of Besuden Brothers (who are among our leading fanciers in their several varieties). This farm is among the very finest in Ohio. Buildings all fine and modern; in fact any practical or sensible appliance that money can buy is found on this farm. The proprietor is a man of wealth and consequently nothing but the best would suffice. This idea of the best money could buy was carried out to the very extreme in the purchase of foundation stock, as one can readily see would be the only way for a man of Mr. Besuden's caliber.

In looking over his matings one is strongly impressed by the remarkable even shade of golden buff, and this is strikingly true of hens in their second and third years. Among the pullets are the most beautiful golden buff shade I ever saw. In handling the males I found them buff to the skin and many absolutely free from any foreign color, grand in wings and head points and conforming beautifully to correct Plymouth Rock type. The whole flock was enjoying a state of perfect health, all busy singing, digging, dusting and laying. Considering the conditions under which they are raised and cared for, the eggs can but run exceedingly strong in fertility. The Neduseb Golden Sheaf Buff Plymouth Rocks made some fine winnings the past show season, as they have the previous show seasons, winning at the Ohio State Fair early last fall, and at Louisville, Ky., December, 1912: 2nd and 4th, cock; 1st and 3rd, hen; 1st and 2nd, cockerel; 3rd and 5th, pullet; 1st, old pen, and 1st, young pen. Indianapolis, Ind., 1913: \$20 silver cup for best cock, hen, cockerel and pullet. Cincinnati, 1913: 1st, 2nd, 3rd, 4th and 5th, cock; 1st, shape special, female; 2nd, 3rd, 4th and fifth, hen; 1st, shape and color special, male; 3rd, 4th and 5th, cockerel; 1st, color special, female; 2nd, 3rd, 4th and 5th, pullet; 1st, old pen; 2nd, young pen; \$25 silver cup for best display of Buff Rocks; \$40 cup for best display of any variety of Plymouth Rocks; \$50 silver cup for second best display of any variety in the show. All the matings contain a share of these winners, together with many unshown birds of like breeding and quality.

Look up ad in the American Poultry Journal and send for mating list and address Neduseb Poultry Farm, R. R. 2, Box 49, Sharonville, Ohio.—H. H. Coburn.

## A NEW TRADE MARK—WHAT IT STANDS FOR.

Readers of the poultry publications have noted the new trade mark of the Michigan Poultry Farm, at Lansing, Michigan, with perhaps passing interest, yet without stopping to consider what, if anything, it might stand for. The fact that it does stand for something and just what this is, is well worth considering.

Buyers of chicks and breeding stock throughout the country have known the Michigan Poultry Farm for years as one of the best and most satisfactory plants from which to purchase these essential products. Hundreds of customers in every section patronize the big farm, whose output is often half sold before the first of the year to advance orders. Michigan Poultry Farm has stood for highest quality, at all times—for satisfaction-guaranteed-or-money-back.

As good as it was, however, there has been found room for further improvement—for a still higher standard. And all the energy of the up-to-date superintendent, together with the resources of the already thoroughly modernized plant, have been brought to bear to reach this standard. So that this is what the new trade mark stands for—an even greater improvement.

The layout house has been increased in capacity by the addition of three more wings, each connected with the central feed building and having tracks down the middle for feed car. The completed house will care for 4,000 birds with plenty of room and ample ventilation.

Another great improvement and radical departure is in the brooding system. The Colony Brooder is now used altogether, with its increased health and vigor giving properties. These have a total capacity of 5,100 chicks, numbering seventeen in



all. They are situated in open range, on level, well drained land and afford the very greatest degree of spaciousness and air for chicks to thrive and grow to maturity without the danger of oil heated small brooders and the constant changing from one house to another.

The hot water mammoth incubating capacity has been increased from 30,000 to 60,000 eggs at one time. Sundry improvements have also been made in the cellar as to light and regulation of ventilation, until the hatching unit of the plant is as perfect as science can make it. This is as it should be, for the fame of the Michigan Poultry Farm day-old chicks rests on their vigor and strength, and these in turn depend chiefly on the manner in which they are hatched, although much is the result of careful breeding on the farm.

Michigan Farm poultry stock is, and has been for years, carefully bred for the highest laying efficiency combined with great inherent vigor. Every breeder is carefully tested throughout the year, and the pens are rigorously culled. Under intelligent handling the breed has come to be one of the very best for every desirable utility purpose, and this is another secret of the great success of the farm.

While a large trade in breeding stock is carried on, and custom hatching is done on a big scale, by far the most important feature of the business of Michigan Poultry Farm is the day-old chick. Thousands of these leave the farm daily in the height of the season, going to every part of the country. And owing to the care with which they are packed, to say nothing of the rigid inspection before being put into the boxes, they always arrive in fine condition.

The new catalogue of the Michigan Poultry Farm describes the new and improved conditions there. It gives current prices on chicks and breeders, and contains information of value to prospective customers. Every poultryman should send for a copy of this booklet—no matter whether he is in the market or not. It will save him money. It is free, and can be had by dropping a postal to Michigan Poultry Farm, Lansing, Mich.

#### THE BEST TREATMENT FOR ROUP.

It is the general belief among poultrymen that Roup has its origin in a form of catarrh which attacks fowls during the winter and early spring months.

The germs become virulent in its action as the disease progresses and the germs are rapidly spread throughout the flock by the use of a drinking fountain that has not been disinfected and by the use of a common scratch yard or feed yard.

The best method of eradicating the disease and preventing the infection from spreading is to disinfect the premises thoroughly with a reliable germ destroyer. A new non-poisonous preparation known as B-K (Bacilli-Kil) is proving very popular and effective for the purpose as it is inexpensive, easy to use and very dependable. A few drops of this powerful germ destroyer placed in the drinking water destroys the germs without causing hens to drink less or to slack up in laying.

In addition to this, coops, nests, roosts, feed troughs, etc., should be sprayed with a dilution of B-K and the trouble will rapidly disappear. B-K is a product of electricity which, while 10 times as powerful as carbolic acid, is harmless to human and animal life.

Each poultryman should keep a supply of this preparation on hand as it is not only the best remedy for roup, but is equally valuable in preventing and conquering gapes, pip, white diarrhoea and all other germ diseases. You will find B-K advertised on another page. By addressing the General Purification Co., 625 Pioneer Bldg., Madison, Wis., you can obtain a free sample of this preparation.

E. L. Miles, Sag Harbor, L. I., N. Y., the veteran breeder of Barred Plymouth Rocks, is offering eggs from exceptionally fine matings this season. He has one special mating of three extra choice pullets from which he is selling eggs at \$1 per egg. Mr. Miles' thirty-six years of experience in breeding Barred Rocks exclusively places him in a class by itself, and there is probably no breeder in this country better qualified to produce high class Barred Plymouth Rocks than is Mr. Miles. His birds have won highest winnings in the leading shows in America for the past thirty-five years. Write for his mating list and mention American Poultry Journal.

## ROSE COMB BLACK MINORCAS

Our winnings for 1913 on two entries at Madison Square Garden, 1st cockerel, 19 competing. At the Club show at Boston, on four entries, 1st cockerel, 1st pullet, 5th hen and 13 specials. Head points and low carried tails our strong points. Stock and eggs for sale. H. A. Keister, R. F. D. 3, Bangor, Mich.

## WHEN YOU WANT SOMETHING EXTRA GOOD IN WHITE ROCKS

Eggs—Day-old Chicks—Stock, our famed Crystal Strain, Eastern Champions, satisfy the hard to please. Bred from trap-nested, individually pedigreed, record layers of exceptional quality, most carefully mated; vigorous, farm reared stock. The rare combination of show points and prolific egg production. Our interesting catalog awaits your request. It's free.

THE MODEL FARMS, C. G. MUELLER, PROP., BOX 542, LANSDALE, PENNSYLVANIA

## FANCY EXHIBITION & BREEDING STOCK.... BARRED PLYMOUTH ROCKS

Cockerels and two-year-old birds at \$3.00 each; Pullets and Hens at \$2.00 each. Rhode Island Reds: Cockerels and two-year-old birds at \$3.00 each; Pullets and Hens at \$2.00 each. Buff Orpingtons: Cockerels and two-year-old birds at \$3.00 each; Pullets and Hens, at \$2.00 each. Our quotations are on high class birds only—fancy exhibition stock is our specialty. We can fill your orders promptly.

W. H. SURFACE & CO. : INDIANAPOLIS, INDIANA

# ALTAMONT POULTRY FARM

Colfax, Iowa

breeds White Orpingtons exclusively.

THEY WEIGH (like lead)

THEY WIN (everywhere)

THEY LAY (like frogs)

THEY PAY (big)

We think we have the best matings in Iowa. Write for catalog with show record and pictures of winning birds.

Tested Tried and True



S. C. Buff Orpingtons

**Remember**—Your success or failure depends on the foundation stock. From inferior blood lines you can not produce high grade stock. The higher grade of stock you produce the better prices they will command.

**Bear in Mind**—Roseland Buff Orpingtons represent the finished product of many years of careful breeding. Our whole attention was devoted to their higher development. Just how we succeeded can be better told by our big wins at

Chicago, Pittsburg and Cleveland

**Our 1913 Matings**—We believe some of the best Buff Orpingtons ever bred will be from our 1913 matings. Every one of our 20 or more matings will be headed by a prize winner or a bird sired by a prize winner. The same can be said of every female. Before placing your order we want you to send for our mating list. If you want winners get Roseland strain, the tested, tried and true strain of quality. **Breeding Stock for Sale.** Grand breeding birds for sale at reasonable prices.

ROSELAND POULTRY FARM

CHAS. W. SWITZER, Proprietor : : SOUTH EUCLID, OHIO



## ARMSTRONG'S SINGLE COMB REDS

Won first cockerel and color special for best colored male at the Ohio State Poultry Show, Columbus, January, 1913. My birds are rich and even in color and have splendid type. Eggs, \$3 and \$5 per 15. **R. I. ARMSTRONG, 1054 Sullivan Ave., Columbus, Ohio.**

## 43 Varieties

Poultry, squab breeders, fancy pigeons, ducks, geese, peafowl, pheasants, wild game, dogs, incubators, feed and supplies. Handsome catalog containing 150 illustrations, four cents.

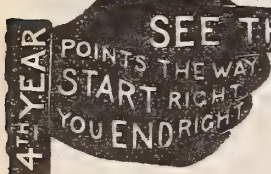
MISSOURI SQUAB CO. Dept. R KIRKWOOD, MO.

## ALT'S S. C. REDS

Our winnings three years in succession—Our Reds have won the highest honors at several large eastern shows. At Buffalo, 1913, 1st cockerel, 1st and 3d pullet, 1st hen, 4th cock, 1st and 2d pen. If you want Reds with type and color, write for our mating list. We are believers in moderate prices. Eggs from our two best matings \$15.00 for 15 eggs. We purchased 2d pen at the recent Madison Square Garden show. These birds are found in our two best matings.

**HENRY W. ALT, 87 FULLER ST., BUFFALO, N. Y.**

## TEST YOUR EGGS



SEE THAT XX?

before you set them under hens or put them in the incubator. Whether you buy or sell eggs for hatching discard every one that does not pass the Magic Egg Tester. Don't try to hatch weak eggs—it kills the profits. Regulates moisture in the egg chamber perfectly. Demonstrated at poultry shows everywhere. This is positively the only way to tell which eggs won't hatch before you begin to incubate them at all. Read on:

**NO ELECTRICITY**

**NO CANDLING**

**NO LIGHT**

**NO EXPENSE**

to use. White or brown shells—no difference. Rapid and positive. Use for one year at our risk, and if not satisfied cost refunded. Price \$2.00 each, by mail, postpaid. Prompt attention.

**MAGIC EGG TESTER WORKS**

Dept. B.

**BUFFALO, N. Y. and BRIDGEBURG, CAN.**

## NICHOLSON'S BARRED ROCKS AND BLUE ORPINGTONS...

Barred Rocks, New York, first and eighth cock; Boston, first and third cock, first cockerel bred pen, third and sixth cockerel. Royal Blue Orpingtons, New York, third cock, first hen, first cockerel, first pullet, and first pen. A. P. A. diploma for the best Blue Orpington cockerel in the show. I have a few pens of Blue Leghorns and Blue Wyandottes. They are winners at Crystal Palace, England; Chicago and Boston. Circulars.

**Haldie Nicholson : Box A, Leominster, Mass.**

## MOE'S SANITARY POULTRY DRINKING FOUNTAIN

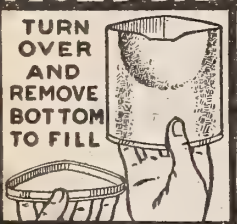


Dead air space between cover and reservoir keeps water cool in summer and from freezing in winter. The nearest thing to a non-freezing fountain that can be constructed without the use of artificial heat. Easily cleaned as an ordinary pail. Sanitary and humane. Manufactured in three sizes: One, two and four gallon capacity.

REPLACE COVER AND YOU HAVE A CONTINUOUS SUPPLY OF PURE WATER



## MOE'S SANITARY BROODER FOUNTAIN



Little chicks can't get wet. Sits in the corner of brooder. Takes up little room. Can't be upset. If desired can be hung up by hook which is on top of each fountain. Manufactured in two sizes: One qt. and one gal. cap.

REPLACE BOTTOM TURN UPRIGHT. READY FOR USE



If not at your dealers write us to send you one on approval, carrying charges prepaid and when you are satisfied that it is what you want, we will make you a special price on your requirements.

# OTIS & MOE

2011 OTIS BLDG.

CHICAGO, U. S. A.

## SINGLE COMB REDS.

Among Single Comb Rhode Island Red specialty breeders is found Mr. W. A. Pardonner, of Ingomar, Ohio. The writer is pleased to state that when he called on Mr. Pardonner he found his birds among the best. In looking over his matings we found some grand individuals. The whole flock run very even in rich red, with head points very fine and shape typical Rhode Island Red. We think Mr. Pardonner showed great skill in mating his pens and can vouch for good results.

With Mr. Pardonner it is quality at the expense of quantity, and as his time and quarters are limited he mated just four pens. He has some fine cockerels for sale and a few excellent breeding females. In dealing with him you are assured of getting just what you order, both in stock and eggs. His Single Comb Reds won the past show season—West Alexander, Ohio: 1st, 3rd, 4th, cockerel; 1st, 2nd, 3rd, 4th, pullet; 1st and 2nd, pen, and three silver cups. Hamilton, Ohio: 3rd, hen, and 4th, cockerel. Dayton, Ohio: 1st, hen, and 2nd, cock. Eaton: 1st, 4th, cockerel; 1st, 3rd, 4th, pullet; 1st, 2nd, hen; 1st, 2nd, cock; 1st, 2nd, 4th, pen; silver cup. Richmond, Ind.: 1st, cockerel; 1st and 2nd, pullet; 1st, hen, and 1st, pen. Piqua, Ohio: 1st, cockerel. West Milton: 2nd, cockerel; 3rd, hen, and 2nd, pen.

Send for mating list. Look up ad in this issue, and address W. A. Pardonner, Ingomar, Ohio.—H. H. Coburn.

## CHAMPION BUFF WYANDOTTE.

The writer recently visited the beautiful farm of the Besudens, which contains forty-six acres within the city limits of Cincinnati, on the Dutch Creek Road. The occasion of my visit was to see their matings, and found the quality unsurpassed. Mr. Fred Besuden has twenty Pens of "The Buffest" Buff Wyandottes, the best we ever saw corralled. The pens are all headed by prize winners and every female has a show record to her credit. The champion strain of Buff Wyandottes is the result of twenty years' painstaking and scientific line breeding and this strain without question holds the finest show record of any strain up to date, winning the past season at six of our greatest shows, viz., Chicago, Nashville, Ohio and Indiana State Fairs, Hamilton and the great Cincinnati Show, thirty prizes out of a possible thirty-two.

The ad in the March American Poultry Journal gives a detailed list of the winners heading these pens. Mr. Besuden issues a fine mating list which is yours for the asking. Address Besuden Bros., Box 359-B, Cincinnati, Ohio.—H. H. Coburn.

## KANT KLOG.

When depending on automatic feeders it is of utmost importance that these feeders work at all times, and feed fowls properly. In the past the trouble has been to keep feeders from clogging or choking up when large grain gets into the feed, thereby preventing the fowls from obtaining food. THE SIMPLICITY KANT KLOG POULTRY FEEDER has eliminated this trouble. This feeder will not choke up at any time; it is absolutely adjustable; feeds any kind of grain, either mixed or separate; feeds this in any quantity desired, and can be depended upon to feed your fowls better than you can by hand feeding.

You can leave home for days at a stretch and be assured that your birds are being properly fed. These feeders are priced from \$1.20 to \$3.50, delivered at your door by parcels post or express.

The Simplicity Baby Chick Feeder is marvelous, and a day-old chick can easily feed itself with it. For further information regarding SIMPLICITY KANT KLOG POULTRY FEEDERS address SIMPLEX SUPPLY HOUSE, PONTIACA BLDG., CHICAGO, ILL.

Chas. McClave, New London, Ohio, proprietor of the "Old Reliable" Linwood Poultry Yards, reports that he can supply the wants of every one desiring Plymouth Rocks, Wyandottes, Leghorns, Orpingtons, Rhode Island Reds, Turkeys, Waterfowls, Ornamental Birds and Scotch Collie Dogs. The Linwood Poultry Yards, was established in 1874 and therefore had over a third of a century of successful operation. The winnings made at the various shows throughout the country are too numerous to mention here, but if you will write Mr. McClave he will be pleased to furnish you with any information that you desire. In writing him mention American Poultry Journal.





First prize pen mated to produce exhibition cockerels at Madison Square Garden, New York, 1913. Owned, bred and exhibited by E. B. Thompson, Amenia, N. Y. This last 1913 record won by Mr. Thompson surpasses anything ever accomplished in Barred Plymouth Rocks at Madison Square Garden.



**PURITAN PARTRIDGE ROCK.**

Mr. C. A. Besuden has 15 fine matings of the famous Puritan Partridge Plymouth Rocks, and ten special matings, each and every pen headed by a prize winner. Their grand champion cock, "Pride of Ohio," winner of championship cup at Cincinnati, and first at Indianapolis, heads one of the pens. Breeders and judges pronounced it the most typical Partridge Rock ever shown. Among the other winners which head some of the other pens are such great birds as first Cincinnati cockerel—'13; first Louisville cockerel—December, '12; first heading first Cincinnati pen; second cock, Cincinnati; cockerel heading first Louisville pen; third Indianapolis cockerel, now a great bird. Cockerel heading second Chicago pen, cockerel sired by first Madison Square male—cockerel full brother to first Chicago cockerel. The males are mated to females who won at Chicago, Louisville, Indianapolis and Cincinnati shows, among which are: The wonderful pullet, "Chicago Queen," winner of first at Chicago, '12, and hen from first Madison Square Garden pen; the great breeding hen "Rose of Aaklyn," the greatest breeding hen in the country. Mr. Besuden will spare a limited number of eggs from

each and every pen. Orders should be booked at once. Send for beautifully illustrated mating list and mention the American Poultry Journal.

H. H. COBURN.

**WAHEBE COCHIN BANTAM.**

When we were visiting the Besuden's at Cincinnati and came to the Wahebe Bantam matings, it was hard work to tear ourselves away from them. There are 15 pens of the world's best Buffs mated, and readers of the American Poultry Journal, who have been keeping tab on their winnings, can imagine the quality. Buff to the skin, and no daylight showing under them. Black Cochins Bantams are beautiful in color and have the same heavy toe feathering. There are eight pens of blacks mated. The five pens of White Cochins Bantams are the prettiest and finest I ever saw. In the five pens of Partridge the same quality holds good; the lacing and penciling are remarkable. 28 pens of Cochins Bantams is quite a sight! The Wahebe Bantams have a great show record, and regardless of the number of pens mated, many orders are turned down. The Wahebe Cochins Bantams have won cups and specials enough to go into the wholesale business. If

you want to get in on some eggs, book now. Look up ad and send for mating lists.

H. H. COBURN.

The Sunswick Poultry Farm, South Plainfield, N. J., have just issued their new illustrated catalogue on their Single Comb Buff Orpingtons and Buff Orpington Ducks. This is a very fine book, beautifully illustrated and containing much valuable information to breeders. Any one interested in these popular breeds should send at once for a copy of this handsome catalogue and mention American Poultry Journal.

H. A. Keister, Bangor, Mich., R. F. D. No. 3, breeder of Black Minorcas, reports the following winnings the past season: On two entries at Madison Square Garden he won 1st, cockerel. At Boston on four single entries he won 1st, cockerel; 1st, pullet; 5th, hen, and thirteen specials, ninety-three in a class, this being the International Rose Comb Black Minorca Club Show.

H. W. Halbach, Waterford, Wis., has a special ad in this issue. Everyone interested in White Rocks should read this ad. This special ad is in addition to his regular ad, which will be found elsewhere.

## "TWO OF A KIND"

### TWO OPEN AIR HOVERS

### Nature AND Close-to-Nature

Bird Life Demands Open Air—Close-to-Nature Brooders Give It. Contact Warmth like the old hen. Plenty of Fresh, Open Air—No Piling Up or Overcrowding. Give chicks these things and raise every chick in flocks of 100 to 300. Hot Air or furnace heat dries out, weakens and kills. But chicks in Close-to-Nature Hovers nestle their backs against a warm body that perfectly stimulates the broody hen, and breathe temperate, pure air.

Of all the forty or more kinds of brooders, there is not one that is like the Close-to-Nature. Send for free catalog.

**CLOSE-TO NATURE COMPANY : 38 FRONT STREET : COLFAX, IOWA**

**Certificate of Sale**

January 8, 1913.

This is to certify that I have sold to Mrs. J. H. Harnly of Zion City, Illinois, my entire stock of White Orpingtons, good will, etc. Mrs. Harnly has one of the best strains of White Orpingtons in America and with the birds I sold her, which have been prominent winners at Chicago the past two years, she is able to meet the demand for show and breeding birds of the very highest class.

Signed, G. E. Greenwood.

**HARNLY'S QUALITY WHITE ORPINGTONS**

Rank well with the world's best, and have been winning at America's largest shows. It takes quality to make the winnings our birds have made at Chicago, Milwaukee, Springfield, Waukegan, Racine and Indianapolis. Clean sweep at big Milwaukee show, winning 1st and 2d cock; 1st, 2d, 3d, 4th, 5th, 6th and 7th cockerel; 1st, 3d, 4th and 5th hen, 1st, 2d, 5th and 8th pullet; 1st and 2d pen; best display; sweepstakes, grand sweepstakes and all other specials, taking more honors than any other exhibitor. At Indianapolis in the largest and hottest class in the show, won 1st, 3d and 5th pullet. Recently purchased all of G. E. Greenwood's flock of White Orpingtons, containing prominent Chicago show winners and the parent blood that produced this season's first prize Chicago cockerel. Stock and baby chicks for sale. Eggs from twenty superb matings. Fertility guaranteed. Write for mating list.

**MRS. J. H. HARNLY, 2301 Elisha, ZION CITY, ILLINOIS**

**Evidence**

We take pleasure in stating that the winnings on White Orpingtons, shown by Mrs. J. H. Harnly of Zion City, Ill., at Milwaukee, Wis., Jan. 1-5, 1913, were honors but seldom accorded breeders of this most popular variety of Orpingtons at any show. The individuals were in quality equal to the best ever met with at any show. We cheerfully recommend Mrs. Harnly and her White Orpingtons. Judge D. T. Heimlich Judge F. E. Harrison

**Eggs**

You can't lose, if you buy eggs of us. We guarantee the fertility of our eggs. Also the quality of chicks hatched from them.

**Baby Chicks**

# Rhode Island Reds

## Rose and Single Comb

We are going to guarantee the quality of chickens raised from the eggs sold by us this year.

**Send for our Free Mating List.**

It will tell you more about the most beautiful and most profitable fowl in the world.

**Chicago, Indianapolis and New York Winners**

head many of our pens.

What 20 cents will do. It will get you the finest catalog ever issued of this breed, it contains many valuable articles on raising and caring for poultry in large and small flocks, also many valuable recipes for diseases of poultry. Address.

**BUSCHMANN-PIERCE RED FARMS, Box 39, Carmel, Indiana**





## BROODING CHICKS AND GROWING GREEN FOOD.

The poultryman's chief problem is not the hatching of chicks, but the brooding of them. With proper care and ordinary common sense almost any incubator will yield a good hatch. To carry through the trying babyhood days a high percentage of the chicks delivered by the incubator—this is the real test.

The makers of the International Sanitary Hover (The International Poultry Sales Company, Brown's Mills, N. J.) claim that it will raise a higher percentage of healthy, active chicks than any other brooding device ever invented. The claim is backed up with volumes of testimony, including the tributes of Kellerstrass, Owen Farms, Wm. Cook & Sons, and Rufus Delafield. Some of the distinguishing features of the Sanitary Hover are these: It is warmer near the curtain than at the center, which prevents crowding, trampling and smothering of chicks; it can be used in any place offering shelter from wind and rain, making unneces-

sary an expensive brooder house; it is fireproof, being composed entirely of metal; it can be set up in an instant without cutting of holes or building of platforms; the lamp can be lifted out by a person standing up, which releases the operator from the disagreeable necessity of going down on his knees to his lamp.

The Sanitary Hover can be used through practically the entire year—as a hover in brooding time, as a grower of green food during the winter months. In eight days it will transform twelve quarts of oats into enough green food to feed 500 laying hens three days. In view of the importance of green food in the making of eggs, this is an item of great value. Indeed it is probably not saying too much to say that the second most trying problem of the poultry farmer has in the past been to secure a supply of green food for his hens during the winter months. In providing the key to this problem the Sanitary Hover has been rendered a great service to the poultry world.

The Pagel Poultry Supply Co., of Rockford, Ill., are a progressive firm featuring

the manufacture of poultry devices with great merit for the poultrymen. The latest addition of their inventions and manufacture is the Pagel Perfection Sanitary Chick Fountain and Feeder, being the most perfect chick fountain made. Does not spill the water when inverted, which is a great improvement on all the other fountains of a similar nature on the market. The unique appearance and the low price commend it. Price, 25 cents, postpaid. Quotations on large quantities furnished on request.

The Sandy Lick Poultry Farm, 966 Liberty Ave., Pittsburgh, Pa., have recently issued their 1913 mating list, which contains illustrations and descriptions of their breeding pens of Buff, Black and White Orpingtons. Send for a copy of this mating list and mention American Poultry Journal.

John S. Martin, Port Dover, Ont., Canada, of Regal White Wyandotte fame, informs us that his new mating list is now ready for distribution. Send for one and mention American Poultry Journal.



## LIVABLE CHICKS BABY CHICKS HATCHED RIGHT

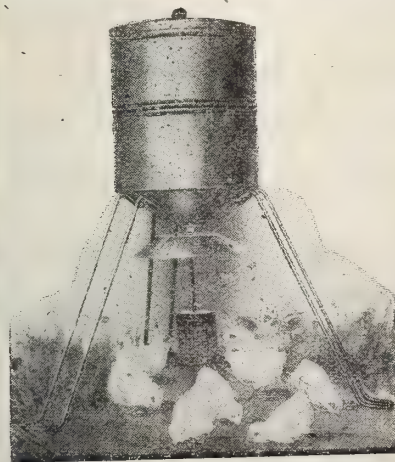
All my breeding stock are high class, bred to lay stock, reared on free range in open front houses. Every variety is carefully mated and true to name. I sell "quality chicks" at the same price you pay for ordinary stock from the following varieties: Leghorns, Single Comb White and Brown; Rhode Island Reds, Single and Rose Comb; Plymouth Rocks, Barred, White and Buff; Silver Spangled Hamburgs; English Indian Runner Ducks.

Baby chicks for Spring delivery, \$15 per 100. Eggs from above varieties, \$2 per 15, \$10 per 100. We can ship immediately. A deposit amounting to 25 per cent of order required on either eggs or stock. Better place your order today.

SIDNEY B. SPINKS, Prop. :: Geneva, Kane County, Illinois

# SAVE THE BABIES

The little fellows are the ones that demand the most of your time; they are the ones that demand care and attention the same as a small child demands care, proper food and protection from chills. It is comparatively easy to hatch a lot of little chicks, but when it comes to raising them it is a different proposition. Proper food, fresh, clean and wholesome should always be within reach of little chicks. Dirty feed is worse than none.



without effort, and it's a great pleasure to watch them busy at work filling their little crops with the fresh sanitary feed fed them by their metal mother.

**It Requires Time,** and lots of it, to feed little chicks every few hours.

**It Requires Feed,** and lots of it, when you have to throw away the dirty waste.

**It is a Pleasure,** and a big one, to feed little chicks with one of our

## Simplicity Baby Chick Feeders

All you do is to fill the hopper and let the chicks do the rest. It is better than the mother hen. It feeds them nice, clean, fresh feed whenever they want it and saves you all worry about feeding time.

**We Guarantee** that you will get more pleasure and more satisfaction out of one of our Baby Chick Feeders than you ever got out of any article of the same price. It's simply wonderful how the little fellows will work the feeder

all shipping charges are prepaid east of the Rocky Mountains.

**PRICE, DELIVERED EAST OF THE ROCKIES — \$1.25 Each \$6.00 for a Half Dozen \$11.00 a Dozen**

**Simplex Supply House Pontiac Bldg. Chicago, Ill.**



## AMERICAN DOMINIQUE.

It is a pleasure to note that there still are breeders of the old-time favorite Dominiques, who breed them true to type, color and markings. Several breeders have followed the new standard demands in markings (should we say barring?) and have introduced Barred blood, which has altogether changed the form and color.

At the late Boston show Mr. A. Q. Carter, Freeport, Me., exhibited a line of his birds that were a feature, and attracted particular and favorable attention. It was a class good to see, Mr. Carter winning cocks 1-2-3, hens 1-2-3, cockerels 2-3-4-6, pullets 1-2-3, pen 1st.

The judges and the press have spoken in the highest possible way of these birds and Secretary Alberton of the Boston show said: "The genuine old-fashioned Dominique has no equal as an all-purpose fowl."

Hardiness and general quality are the chief characteristics that have kept them all these years before the public, and promise for time to come to keep them ever a fowl of merit and value. Mr. Carter has issued a circular with much information and he will be pleased to mail this to every request; also by letter to give any and all information.—H. P. Schwab.

## IDLEWOOD.

The Idlewood Poultry Farm, Swanville, Pa., is without doubt one of the finest and most up-to-date poultry plants in the country. The management of this farm has been putting forth every effort to build up a poultry business of which they may well feel proud. They have a model plant in every respect and have spared neither money or labor to make it one of the largest and most complete.

They selected a location adapted to poultry raising. This farm consists of ninety acres, some woodland and orchards in which their chickens roam from morning until sundown during the hot summer months; thereby giving them free range and shade so essential to produce large, vigorous birds. The farm has a lake frontage of one-half mile, from which they procure sand for use in the buildings, which is a decided advantage.

Idlewood is situated near the little town of Swanville, eight miles west of Erie, Pa. Their shipping facilities cannot be surpassed, as they are located just one mile from the Lake Shore and Nickel Plate R. R., and about the same distance from the Conneaut and Erie trolley line, thus enabling them to make prompt delivery to their customers.

The variety of poultry raised on this farm consists of Single and Rose Comb Rhode Island Reds and White Orpingtons.

## ETZENSPERGER'S REDS OF QUALITY

WON AT CHICAGO, DECEMBER 12 TO 18, 1912

2d S. C. pen, fourteen pens competing; 2d cock, thirty-two birds competing; 4th pullet, thirty-eight birds competing; 5th R. C. pen, thirteen competing; 3d pullet, forty-one competing. The hottest class of Reds ever got together. All my old birds that produced these prize winners together with winners this year will be used in my breeding pens this year. My 1910 first Chicago cock bird is the same bird winning 2d this year, he producing some of my best winners, showing what blood lines will do. Also having ideal shape and color. Have a few cockerels, cocks and pullets for sale at the right price. Special sale of 50 Single and Rose Comb Rhode Island Red cockerels, good breeders; at \$3.00, \$5.00 and \$10.00 each. Mention American Poultry Journal when writing.

W. ETZENSPERGER

Box E

WILLOUGHBY, OHIO

## Golden Sheaf Buff Rocks

Won at the three following shows and all these birds and our State Fair winners will be mated in our yards this season:

Louisville, Ky., 1912—2nd, 4th cock; 1st, 3rd hen; 1st, 2nd cockerel; 3rd, 5th pullet; 1st old pen; 1st young pen.

Indianapolis, Ind., 1913—Winning \$20 silver cup for the best cock, hen, cockerel and pullet.

Cincinnati, O., 1913—1st, 2nd, 3rd, 4th and 5th cock; 1st shape special female; 2nd, 3rd, 4th and 5th hen; 1st shape and color special male; 3rd, 4th, 5th cockerel; 1st color special female; 2nd, 3rd, 4th and 5th pullet; 1st old pen; 2nd young pen; \$25 silver cup for best display of Buff Rocks; \$40 silver cup for best display of any one variety of Plymouth Rocks; \$50 silver cup for second best display of any one variety in the show. Write for our free mating list.

Neduseb Poultry Farm, R. R. 2, Box 49, Dept. B, Sharonville, Ohio



**DeGRAFF'S BOOK ON REDS, 25c** **Ready to Mail You**

International Authority on Reds. Three true to life Color Pictures. Original practical information you can't afford to be without.

**MATING LIST FREE (50 Choice Red Pens)**

**DeGRAFF POULTRY FARM**

Box 200, AMSTERDAM, N. Y.  
(PLEASE DROP POSTAL)



and at the late Pittsburgh and Erie shows in strong competition they made the following winnings: On Single Comb Reds, 1st, 4th, 5th and 7th, cockerels; 1st and 8th, pullets; 1st, 2nd and 6th, pens; 3rd and 4th, cocks; 4th, hen; four specials for type and color. On Rose Comb Rhode Island Reds, 1st, 2nd and 3rd, pullets; 2nd and 7th, cocks; two specials for type and color. They are making a specialty of day-old chicks and have a hatching capacity of 100,000 chicks, which enables them to furnish chicks in any quantity of both fancy and utility stock.

In a recent communication received from them they informed us that at that time they had 4,000 baby chicks out, some of them weighing one pound each. They

expect to raise between thirty and forty thousand chickens this year and will be in shape to furnish the trade with the best Rhode Island Reds and White Orpingtons that money can buy. They have just issued a very neat catalogue which gives full description of their matings for this year, together with prices of eggs and baby chicks. It also contains many fine half-tone illustrations of scenes and buildings on the farm. Any further information will be gladly furnished on application to the Idlewood Poultry Farm, Swanville, Pa.

D. M. Covert, the well known breeder of Barred Plymouth Rocks, desires to let our readers know that he has moved from

Willoughby, Ohio, to Ashtabula, Ohio. His new location is on a street car line about two miles south of Ashtabula at Jefferson Road, Stop 83. He expects to keep right on improving his Highland strain of Barred Rocks and is in a position to supply your wants. Write him for full particulars and mention American Poultry Journal.

We have received a copy of "Poultry Paper Publicity," by E. J. W. Dietz, our special representative. This book contains numerous valuable suggestions to advertisers who contemplate using the American Poultry Journal. A copy will be mailed free to all advertisers who request it.



## AGAIN VICTORS

### SCRANTON'S S. C. RHODE ISLAND REDS

At LOUISVILLE, KY., against the best REDS of the South, won 1, 2, 3, 4, 5 cockerel; 2, 3, 4, 5 cock; 2, 5 hen; 2, 4, 5 pullet; 1 and 3 old pen; 1 and 3 young pen. \$75.00 Cup for Best Display in show—114 points.

Remember they made the GREATEST WIN at CHICAGO last season that has ever been made in that show by one breeder of Reds—FIVE FIRST PRIZES and ALL SPECIALS, besides many minor prizes.

At Hagerstown, Md., in October they also made a remarkable record. These, with their UNEQUALED records of past years, stamp them as the LEADING STRAIN of Reds of the present day.

Why do they win? Because they have been carefully line bred for years and have established BLOOD LINES that will REPRODUCE. My matings this season are better than ever before. If you want to know more about them send for a catalogue of matings today. It will be mailed free.

B. H. SCRANTON -- BOX 350 -- RISING SUN, INDIANA

## Weja Farm S. C. White Leghorns

### BLUE RIBBON WINNERS

All Eggs During April, 10% DISCOUNT from Mating List Prices

We are producing 30,000 Eggs per month. Send for Mating List. You will make no mistake in ordering Eggs or Birds.

W. W. DARLEY, PROP. HARMON BRADSHAW, Superintendent NORTHFIELD, OHIO

## McClave's Linwood Poultry Farm

The home of high class prize winning Barred Plymouth Rocks, White Wyandots, Buff Orpingtons, S. C. White Leghorns, Bronze Turkeys, Indian Runner and Pekin Ducks and Geese. The finest collection of these varieties in the U. S. One of the oldest Poultry Farms in Ohio. I have 1000 head for sale of the finest quality. Single birds, pairs, trios and pens at reasonable prices. Now is the time to buy your breeding stock as the breeding season is at hand.

Eggs for hatching from selected prize matings. Leading winners the past season at Detroit, Columbus, Cleveland, Hagerstown and other large shows. At Cleveland January, 1913, my birds won 73 first, 25 second, 14 third, 12 fourth, 6 fifth prizes, 12 cups and Sweepstakes for best Pens and Displays. More prizes than the next three largest exhibitors combined. Highest quality, reasonable prices, prompt service. Write your wants to

Chas. McClave -- Box A -- New London, Ohio



## SINGLE COMB REDS.

For the past nine years Mr. Oscar Holtzapfel has watched with pleasure the improvement in his Single Comb Rhode Island Reds, which improvement is due to Mr. Holtzapfel's knowledge in mating Reds. He is known as a man with a conscience and does not believe in overrating his stock and is extremely modest in his statements in his mating list. This indeed is a most commendable characteristic, and such a man needs your patronage. His Single Comb Reds have won at Cleveland, Toledo, Ohio State Show, Columbus, Fort Wayne, Ind., and at other local shows. His matings are headed with fine males, some with show records, and contain the best birds he ever mated. Among the females are found 1st, 2nd and 3rd Toledo hens. First hen won as a pullet at Toledo, 1911, and third hen at Columbus, 1912. Third hen won fourth as pullet at Columbus. These hens have held their color so well, Mr. Holtzapfel challenges any one to pick them from pullets in same pen. His prices for eggs are very reasonable for the high quality of the stock. He also sells baby chicks.

He receives many encouraging testimonials from satisfied customers. Among them is the following from the Idlewood Poultry Farm, Swanville, Pa.:

"Dear Sir—We take pleasure in stating that of the 7,000 chickens raised this season, the 2,500 purchased of you stand in a class by themselves. For perfection in surface and under color, vigor and all-round Red quality, we heartily recommend your stock to any one requiring new blood or who is just starting in the business. While we are compelled to secure our stock from various breeders in all parts of the country, we will in the future, if compelled to restock, endeavor to purchase the baby chicks from three breeders, which will certainly include you. Should you ever be called on for reference, we will be pleased to do anything in our power to further your interests. R. J. Holliday, manager." Write for mating list.—H. H. Coburn.

Duncan Orpington Yards, Seaton, Ill., breeder of the celebrated Kellerstrass strain of Crystal White Orpingtons. They made a very enviable record in the show room during the past two seasons at

Peoria, Ill., December, 1912. They won 1, cock; 2, hen, 3, pullet; 3, pen; O. L. McCord, judge. At the Mercer Poultry and Corn Show, December, 1912, they won 1, 2, 3, cock; 1, 2, 3, hen; 1, 2, cockerel; 1, 2, 3, pullet; 1, pen; also special for best ten birds; Shaner, judge. At the Monmouth Poultry Show, January, 1913, they won 1, 2, cock; 1, 2, 3, 4, hen; 1, cockerel; 1, 2, 3, pullet; cup for best ten birds of the English class; 1, 2, pen; H. L. Bridges, judge. They have two separate farms on which the stock has free range. This season they have mated up fifty breeders, one and two years old, the pick of their entire flock. They treat every customer strictly on the square and guarantee satisfaction in every case, and always try to give more than the money's worth. Write for further particulars and mention American Poultry Journal.

In our March issue the advertisement of the Maple Grange Poultry Yards, Moorestown, N. J., did not state the variety of fowl this farm bred. They breed Barred Plymouth Rocks of the very highest quality. Look up their ad in this issue and write them for full particulars.

Send \$50.00 today to H. W. HALBACH, Box A, Waterford, Wis., and get a fine  
**WHITE PLYMOUTH ROCK BREEDING MALE and 10 EXCELLENT FEMALES**

Properly mated. From noted Chicago Winners. Guaranteed to please.

# ORPINGTONS!



Buff, Black, Jubilee, Rose and Single Comb White. Our new giant incubator and brooding facilities make it possible to sell one pound cockerels and pullets as cheap as others sell eggs of the same grade. We will sell one pound chicks one generation removed from CHAMPION COCKEREL OF ENGLAND and Crystal Palace winning pullet (white) (which we sold) cock that won blue at Madison Square twice, also 1st at Boston and Chicago. Buffs that won CHAMPIONSHIP of the UNITED STATES offered officially by the Buff Orpington Club, Pure Nabob Empress Blacks and R. C. Whites out of cockerel that won 1st at Kansas City, 1st Chicago and Cincinnati cocks. Such chicks as this at ONE POUND when they are absolutely out of danger and quality can be determined at from \$1 each to \$4 each means ANYONE can now own SUPERLATIVE Orpingtons. See what a fine trio we will send you for \$5 in any color.

Don't complain about paying for eggs that are not fertile when we will sell you one pound chicks of equal or better grade for the same money you pay others for eggs. Do not forget that no one ever approached our finish of type in BLACK ORPINGTONS. No one ever equalled the show record of our strain of Buffs or exceeded our record in Whites. We delivered the goods to our customers last year to win from coast to coast and from the lakes to the gulf and we NOW have BETTER chicks far enough advanced to fit you to win against ANY competition at the earliest shows. Just to find out send us \$5 for six cockerels. Day old chicks and eggs at real bargain prices for real quality. Some big bargains in breeders, too. Get my catalogue today—one colored plate. Send 10c for Orpington Magazine 1 year. Cheviot Farms, Route No. 2, Cincinnati, O.



FIRST PRIZE BLACK ORPINGTON COCK AT MADISON SQUARE GARDEN NEW YORK DEC 1911. HUGH A. ROSE WILLOW, ONTARIO.

## Rose's Black Orpingtons Champions of America

You Ask Why?—We Will Convince You

Because—We not only made a clean sweep at Madison Square a year ago, winning Grand \$25 Gold Special Best Display, but followed up this record by winning five times as many Blues with our Black Orpingtons than any other competitor at seven greatest shows in America this season.

Because—At these seven classic shows: Toronto, New York State Fair, Allentown, Hagerstown, Baltimore, Madison Square, and Boston, we captured 26 firsts out of a possible 36, also 23 seconds, 11 thirds, 8 fourths and 5 fifths.

Because—At these seven important shows, six times we won the Grand Special for Best Display; twice Cup for Best Cockerel in entire show, and once Cup Best Male in show.

Because—We have supplied winners that have won at all the leading shows including Madison Square, Baltimore and Boston.

### Wins at Boston, 1913

Our last show this season we crowned our previous victories: 1st, 2d cock; 1st, 2d hen; 1st, 5th, 6th cockerels; 1st, 2nd, 3rd pullets; 1st and 2nd pens; and all specials offered.

### EGGS EGGS EGGS EGGS

Guaranteed hatchable eggs from the choicest pens of Blacks, containing more renowned winners than any other breeding pen in the world. \$10 per 15. All unfertiles replaced free. Buff Orpingtons that won Madison Square 1912-13; 2d hen, 3d cockerel, 1st pullet, 4th pen, also 13 Blue Ribbons at above shows. Eggs \$10 per 15. Catalogue free.

Hugh A. Rose

Frank F. Conway, Manager

Fonthill, Ontario, Canada



**DUSTON'S WHITE WYANDOTTES.**

A copy of Arthur G. Duston's mating list is just at hand and in it we find much to comment upon. Mr. Duston as a breeder has been before the public for so many years and is so well and favorably known the world over that beyond saying he has ever been the reliable champion of the Wyandotte we will pass him up for now.

His pens as listed show the real "Duston Quality" to us, for we have paid him several visits and have been several times delighted with his quality, for it certainly is of a grand high average.

The past year was Mr. Duston's greatest year in business—not only as far as sales went but in selling real winners to his customers. Personally we know of three shows where birds bought of him to win did win, and in one case the three birds were ordered by wire four days before judging, with the result that the cockerel won first and the pullets first

and second in the largest class of the show.

Mr. Duston's success is his due. He has tried and won, and this same energy, the same desire he puts in his every deal. He tries to breed to win and to sell and win for his customers, and in all we have found him unusually successful. We hope a little later to visit him and will be pleased to tell our readers more of this line. But now get his mating list, read it over and send Mr. Duston an order. He will try, and try hard, to please you, and he can. Address Arthur G. Duston, South Framingham, Mass.—H. P. Schwab.

Guy Daily, Jeffersonville, Ind., the well known breeder of Fairview White Plymouth Rocks, has just issued his 1913 mating list. This mating list gives full description of his eighteen breeding yards that he has put together this season, from which he supplies eggs to his numerous customers. Mr. Daily guarantees all eggs to be strictly fresh and to be from

the pens from which they are ordered. He carefully tests the fertility and ships from no pens that do not show an average fertility of twelve in every fifteen eggs. If hatching is unsatisfactory and fertility below average, he will replace setting once free of charge. Mr. Daily has made an enviable reputation in the show room during the past two seasons and his stock is second to none. He is also selling baby chicks and will quote you prices on same upon application. Send for copy of his mating list today and mention American Poultry Journal.

The new catalogue of F. S. Smith, Hamilton, Ohio, the well known breeder of Single Comb Buff Leghorns, is now ready for distribution and will be sent to any one interested. Mr. Smith informs us that he is prepared to furnish thousands of day-old chicks and eggs, as he certainly has the finest flock of Buff Leghorns to be found any place. Write for catalogue and mention American Poultry Journal.

# Bean's World's Best Columbian Plymouth Rocks

Make another sensational winning at the Club's Annual Meet, Philadelphia, December, 1912, winning all firsts and all seconds except 2nd pullet and she came from my baby chicks. Again at Boston's great show, January, 1913, they make another clean-up. Is this not positive proof? 83 firsts out of a possible 85 competed for in 1911-12; 62 firsts out of a possible 63 competed for in 1912-13 and all cups and displays and shape and color ribbons. Why not start with the world's best and be satisfied? Send for free mating list before buying.

F. G. BEAN

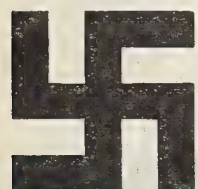
BOX A

COLLEGEVILLE, PENNSYLVANIA

# POLEY'S WORLD'S BEST BUFF ROCKS

Great Victory at Madison Square Garden, January, 1913, winning four firsts and all shape and specials, and as many points for best display as all of our competitors combined in the largest class of Buff Rocks ever shown at the garden. Write for our catalogue and mating list.

LINFIELD POULTRY FARM, JOHN W. POLEY, BOX A, LINFIELD, MONTGOMERY CO., PA.



## Special Sale of Buff and White Orpingtons

I have 20 S. C. White Orpingtons, divided into 2 pens of 8 pullets and cock, and 8 pullets and cockerel. Kellerstrass & Byers strain, that I will dispose of cheap, at \$2 per head if taken either one or both pens. I also have 5 Buff Orps., 4 pullets and cockerel that will go for \$10.00.

The above birds are all true Orpingtons and are worth 5 times the price asked as breeders. Write for my free catalogue on S. C. White Leghorns. Order from this ad.

Swastika Poultry Yards == Plano, Illinois

# CLEVELAND'S BUFF ORPINGTONS

Noted for laying qualities and show room excellence. Six splendid pens mated, including all my Chicago prize winners of 1911 and 1912. Every bird in these yards is a big healthy bird of real Orpington type and color. Send for mating list.

Frank C. Cleveland, 10802 Longwood Blvd., Morgan Park, Ill.

THIRTEEN MILES FROM CHICAGO ON THE ROCK ISLAND SUBURBAN

## CHASE'S CHAMPION R. AND S. C. BLACK MINORCAS AND R. C. BROWN LEGHORNS



again prove to the poultry world their super-excellent qualities, by winning at the Great Chicago Show, in the hottest competition; 6 1sts, 7 2ds, 3 3ds, 1 4th and 3 5ths. Beyond doubt we stand head and hands above all our competitors, as we have been winning for years at the best shows in the country, also supply winners for our customers. We are offering for sale 1,000 cocks, hens, pullets, and cockerels. Some of these birds will win in the best of competition, others will make the best of breeders and layers. Remember, all stock sent on approval. You must be pleased or the deal will cost you nothing. 40 breeding pens have been mated for egg trade; therefore, we can supply them in any number. We have installed a large incubator, so your order for day old chicks can be filled for any number. All eggs guaranteed fertile. We will replace dead chicks free. We have a



### SPECIAL PROPOSITION

to offer every honest person interested in poultry. If you are going to start raising poultry, or want more stock, eggs or chicks, write me at once, as we do not require all cash with order. Our big catalog and poultry book, full of good practical poultry knowledge, sent for 5 red stamps. Price and mating list free.

Edgemont Poultry Farm : W. O. Chase, Proprietor : Box B, Hillsboro, Illinois





Silver Campines were out in great number at the recent Cleveland show. The first prize cockerel of Gensemer Bros., Creston, Ohio, an excellent specimen of the breed, was a well deserving winner, showing fine type and color. L. A. S.



Besides breeding fine Columbian Wyandottes, Mr. C. L. Patterson, of Barberton, Ohio, finds time to breed a few Silver Campines. The picture above of one of his cockerels shows how well he has succeeded in producing first class specimens of this breed.



First prize hen Pittsburg, Feb., 1913, and first prize pen cock at Canonsburg, 1912. These birds show the fine type for which Mr. W. J. Gowern's, Jr. strain is noted. He has furnished the winners for many large shows and is now booking orders for eggs for hatching. His mating list describing in detail his many fine pens is free and can be had for the asking. W. J. Gowern, Jr., Canonsburg, Pa. L. A. S.



### DUNE ALPIN POULTRY FARM, EAST HAMPTON, N. Y.

In looking over the past season's records we note with particular interest the winnings made by the Dune Alpin S. C. White Leghorns at several of the leading exhibits, such as The Hagerstown Fair, The Grand Central Palace New York Show, and Boston's big beauty show, etc. At these exhibits we find they won in total of sixty-one regular and twenty special prizes as follows: Sixteen first prizes, eleven seconds, fifteen thirds, seven fourths, five fifths, five sixths and two sevenths.

The specials include shape and color prizes for both males and females and two sweepstake specials and display specials.

We well know that these awards were won in the best of classes, as we made all those shows. Competition in the Leghorns has become fierce at the great shows and it positively takes the very best to win. The Dun Alpin Leghorns are in this class and have been winning for years. At our visits to this farm last spring we were royally entertained for a whole day looking over their matings and stock. It is a line of great worth.

Mr. George J. Kerr, the manager, has brought this line right to the front and besides has won fame as a conditioner. Their birds are always just right, and such condition is sure to tell.

Their catalogue is just at hand and gives much information of their line and is a book of value. Sent free for the asking.—H. P. Schwab.

### WM. COOK & SONS' ORPINGTONS.

We greatly regret that in our write-up of several shows we neglected to give the winnings of Wm. Cook & Sons, Scotch Plains, N. J., proper mention, and in fact in some cases gave them no mention at all. This line, as our readers well know, is one of the foremost in the world and their winnings during the past season surpass those made in all former years. They have shown their birds the country over and have nailed their "Banner of Quality" on the records of the world's greatest exhibits in a way fitting their worth.

At the New York Grand Central Palace Show, December, 1912, with but four birds shown, they won: Black Orpington cockerels, first and third; White Orpington cockerels, second and third, all in quality classes.

They were showing two full lines elsewhere at the same time. We expect shortly to visit their plant and to tell our readers of the Cook Orpingtons as they are at home.

Mr. P. A. Cook has been a very busy man this season with all his exhibiting and in filling many judging engagements. We worked with him at Charlotte, N. C., where his work gave the best of satisfaction, and where at the banquet his address was a feature. Mr. Cook has made poultry his life's work and we consider him an authority worth following.—H. P. Schwab.

### THE H. W. JOHNS-MANVILLE CO. HOLDS ANNUAL SALESMEN'S CONVENTIONS.

Following a long-established custom, the 600 or more salesmen, as well as the department managers, of the H. W. Johns-Manville Co. assembled in annual convention on various dates from January 2 to February 8, at Milwaukee, Boston, New York, Philadelphia, Pittsburgh, Cleveland, Chicago, St. Louis, New Orleans, San Francisco and Toronto, to learn more about the products which they sell.

One by one about three hundred products of this concern, such as J-M asbestos roofing, shingles, packings, pipe coverings, brake linings, conduit, waterproofing materials, mastic, cold storage insulation, electrical supplies, etc., were taken up and their advantages over competitive products pointed out to the salesmen by specialists in each line.

A week's time was devoted to each of these conventions, with a banquet at the close as a fitting ending.

### I. A. ENGLE'S WHITE LEGHORNS.

Mr. I. A. Engle, Latham, Ill., is one of the most progressive breeders of White Leghorns in America. We have seen his stock and found that he has the birds, and his dealings are always on the square. Mr. Engle has issued a 24-page catalogue which is full of timely hints. It should be in the hands of every reader of the American Poultry Journal. It is free for the asking.

## EGGS

## BABY CHICKS—QUALITY

## EGGS

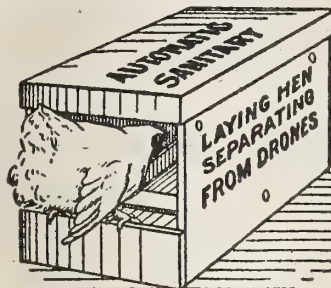
We can now take care of all orders for Eggs and Chix from 50 pens of our celebrated

### S. C. and Rose Comb White Leghorns

The home of best Rose Combs in America—Write for mating list

### LILY WHITE POULTRY YARDS

-- LINCOLN, ILLINOIS



### Automatic Sanitary Trap Nest

Made of sheet metal, vermin proof, strong and durable. Requires no attention. Operated exclusively by hens, separating layers from drones. Cheapest, best, simplest. Write for free booklet or agency.

AUTOMATIC SANITARY TRAP NEST CO.,  
DULUTH -- MINNESOTA

## America's Best Wyandottes

Golden, Silver and Whites—Winners of over 300 premiums at Madison Square Garden alone, and they won 4 firsts and other premiums and \$100 cup at this great show this year. They have won thousands of premiums at the leading shows, including Chicago, St. Louis, Buffalo, Boston, Philadelphia, Cincinnati, Cleveland and Columbus. We have a large stock of birds on hand and to move them quickly we will let them go at much reduced prices. Hundreds of grand cockerels and cock birds and plenty of fine females, either the finest exhibition birds or fancy breeders or utility flocks. Our matings were never so fine and contains over 300 winners. Mating list and large finely illustrated circular, showing 50 of our winners free. Eggs from fine matings, \$3 and \$5 per setting. Also Golden Seabright Bantams and Collie pups.

Ira C. Keller -- Brookside Farms -- Box 75, Prospect, Ohio

## Eggs and Chicks



### From our Vigorous, Free Range, Bred-to-Lay S. C. White Leghorns

Are the kind you have been looking for.  
Eggs, \$1.00 per 15; \$5.00 per 100; \$45.00 per 1000.  
Chicks—big, vigorous, healthy fellows at \$2.50 per 25,  
\$10.00 per 100, \$95.00 per 1000.  
Illustrated catalogue free.

The Elliott Poultry Farm, R. R. No. 7, Mansfield, Ohio



## PALMER'S WHITE ROCKS

Years of selection have made them layers as well as winners. Grown on free and unlimited range gives them great vigor and vitality. Won Rochester, N.Y. 1913 best male in show. April and May are the best hatching months. Send for mating and price list.

"The Glen" Poultry Farm, Box A, Fairport, New York



### "Rockland" Strain of S. C. White Leghorns

is the winning strain for either the Egg Basket or Show Room. First hen, Second Pen Madison Square heads our yards. Book, Incubator and Egg Record Cards Free.

Ridge Egg Farm  
K. M. Turner, Prop., West Nyack, N. Y.

100 Silver Campines For Sale

See illustration this issue

ROCKLAND I



## BARRED PLYMOUTH ROCKS

Acme strain Eggs from choice matings \$3.00 per setting, Express prepaid. Stock for sale, mating list on request  
**ACME POULTRY YARD : C. A. GIFFORD, PROPRIETOR : RUSK, TEXAS**

## Columbian and Silver Wyandottes

If you are looking for the very best in either of the above we can please you—our birds have demonstrated their quality by their winnings at Madison Square Garden and Boston for the last ten years.

**J. F. Van Alstyne Niverville, New York**

## 60 S. C. RED COCKERELS

For sale at low prices. Eggs for hatching from prize winning pens. Satisfaction or money back. Write today.

**T. MENDENHALL RIDGEFARM, ILLINOIS**

## BUFF AND BLUE ORPINGTONS

Miss Hooker, for twelve years a Blue Ribbon Buff Orpington breeder, is successfully breeding Blue Orpingtons of which she was the pioneer importer. Very little stock for sale. Illustrated catalog. Mating list on application. Eggs from Buffs, \$3-\$20 for 15; from Blues, \$15, \$20, \$25 for 15. Both strains heavy layers.

**Henrietta E. Hooker, South Hadley, Massachusetts**

## WINGOLD BUFF ORPINGTONS & BUFF WYANDOTTES

St. Louis, Indianapolis and Cleveland winners. Eggs from 10 grand pens \$3.00 to \$5.00 per 15. Let us prove to you that "WINGOLDS" are there with the goods. Remember, we guarantee you 12 strong chicks per setting. Write for mating list.

**F. A. POERTNER Box A Berea, Ohio**

## S. C. BUFF AND WHITE ORPINGTONS, S. C. BUFF & WHITE LEGHORNS & BUFF ORPINGTON DUCKS

Stock and hatching eggs from our New York, Baltimore, Philadelphia and Allentown winners.  
 Send for catalogue.

**Dunrobin Farm Box 177 Red Bank, New Jersey**

## BAWDEN'S BUFF ROCKS

The most consistent prize winners and the best producing strain in the world. No more stock for sale this season. After February 1st, eggs, a limited number, \$10.00 per fifteen.

**John Bawden -:: Box 20 -:: Ridgetown, Ontario, Canada**



## S. C. Black Orpingtons

**SPRING OF 1913—\$10 Eggs for \$4 for 13—Why are they \$10 eggs? Because they are the equal of any \$10 eggs in the United States, and all are from our celebrated Duke of Kent strain—the greatest prize winning strain of Black Orpingtons in America. Send for egg circular and beautiful 9x12 chromo. Very high grade young stock for sale. Mention Am Poultry Journal when writing.**

**FOSTER & JOHNSTON, R. R. 7, FORT WAYNE, INDIANA**  
 Honorary State Vice-President American Orpington Club

## SUNNY SLOPE ANCONA FARMS

THE ACME OF PERFECTION

First at the leading shows in the world—London, England, Cleveland, Toledo, Allentown. We have some of the greatest birds in America in our yards this season, and will have thirty breeding pens mated up with nothing but tested yearling females, acknowledged the very highest type for ideal stock to be raised from. Booking orders for baby chicks and hatching eggs. Illustrated catalog free.

**J. O. SOMERS -:: R. F. D. 2 -:: BEDFORD, OHIO**



**A Swarm of B's, A Pod of P's, A Few Fat F's and some A. B. C's. What will they Bring you? Big White E-GG's.**

BEAUTIFUL BUTTERCUPS, the Buff and Black Business Breed. Believe me, the Buttercup Boom, just beginning, will Bring Big Business to all Breeders of Better Buttercups.

Get Posted on the Permanent Pleasure and Prospective Profit Promised Persistent People.

For Free Folder Full of Forceful Facts Fail not to Address

**AMERICAN BUTTERCUP CLUB, Factoryville, Pa.**

## MOUND HILL POULTRY FARM.

S. D. Hall, of Seville, Ohio, owns and personally manages the Mound Hill Poultry Farm. Mr. Hall is one of the largest breeders of the popular Silver and Golden Campines in America. He is an old Single Comb White Leghorn breeder. He has spared no expense to procure the best Campines obtainable and has imported both stock and eggs. Heading his Silver Campine pens is an imported cockerel weighing five pounds and barred finely in all sections. He is a true Campine in shape and carries a beautiful fan-shaped tail at an angle of 45 degrees. Heading another pen is the first Cleveland cockerel, January 6-12, 1913. This bird weighs better than five pounds and has a pure white hackle and a five-point comb. Mated to these birds are such females as second and fourth Cleveland pullets and others with fine long backs and fan tails and barred in all sections. It would be hard to equal these matings, to say nothing of beating them. Mr. Hall imported the best eggs from Rev. Jones' Golden Campines and has the best yet produced. Golden Campines are more scarce than the Silvers and Mr. Hall will spare only a few settings from them. In all he has about 150 Campines mated. His White Leghorn matings are fine. He does a nice baby chick business on all three varieties. His farm is located in Seville, about five minutes' walk from the Baltimore & Ohio depot and about the same distance from the stop of the Cleveland & Southwestern electric line. Send for his mating list and mention American Poultry Journal.—H. H. Coburn.

## BARGAINS IN BOOKS.

On page 631 of this issue will be found a list of some of the most valuable Breed Books that have yet been published. Every raiser of poultry should own a copy of the book treating of his favorite breed. Books on other important subjects are included in the list.

You get a special combination rate by ordering with a subscription, but the books may be secured without the subscription if preferred.

Robt. D. Parmenter, who for a number of years has been located at Knoxville, Ill., where he has been breeding high class Single Comb White Leghorns, recently sold all his high class stock to Walter E. Flanders, Orchard Lake, Mich., and accepted the position as manager of Flanders' White Leghorn Farm at Orchard Lake, Mich. This poultry farm covers about thirty-five acres and is one of the finest and best equipped plants in the country, and Mr. Flanders is to be congratulated on securing the services of Mr. Parmenter to manage his plant, as Mr. Parmenter is well qualified for this position and is an expert breeder and will no doubt succeed in producing some very high class specimens this coming season. Mr. Parmenter desires to thank all his customers for their liberal patronage in the past and assures his old customers and all those who desire stock and eggs, either exhibition or utility, that he is now in a position to fill all orders in a satisfactory and prompt manner. The Flanders' White Leghorn Farm have recently issued an up-to-date catalogue and mating list which will be sent free upon request. Address Flanders' White Leghorn Farm, Robt. D. Parmenter, manager, Orchard Lake, Mich.

Welding by electricity has long been successfully established as the only process to perfectly amalgamate two metals into one. You have hardly a tool or piece of machinery on your farm but that is electrically welded where there is a juncture of metals. The present state of perfection of garden and barnyard tools, mowers, reapers, binders, threshers, cultivators, kitchen utensils, dairy machinery, edge tools, chains, automobile engines and steering gears, bottoms of oil cans, frames of bicycles, etc., is made possible through electric welding. The same process produces "Pittsburgh Perfect" electrically welded wire fencing, which is a solid, one-piece fabric enjoying many distinctive advantages, among them being the ease with which it is strung, the great tension to which it can be stretched because of the absolute elimination of "long" and "short" line wires, the smooth surface making the wire-cuts impossible, and the neat appearance of the fence. Modern methods of manufacture in many lines have been greatly benefited by the discovery and practice of welding by electricity.





FIRST PRIZE EXHIBITION PEN. MADISON SQUARE GARDEN. NEW YORK. Dec 31. 1912 - Jan. 4 - 1913  
FOR THE FIFTH CONSECUTIVE TIME Bred and Owned by MONMOUTH POULTRY FARMS. FRENEAU, N.J. U.S.A.



**F. A. POERTNER, BEREA, OHIO.**

In our report of the Cleveland Show we fear we in error overlooked Mr. Poertner's display of his well known line of "Wingold" Buff Orpingtons. This season he did not exhibit his Wyandottes here and gave all his time to his Buff Orpingtons, winning with them in a class of 100 birds: Cock, 5th; pullet, 5th, and pen, 1st, with specials. It was a beauty class with some of the best American and English birds competing for honors, making one of the strongest classes out this year.

Both this line and Mr. Poertner have been known to our readers for some years. Their winnings are of the best and they well deserve the best the breeders can give them. His circular and information on application. Write him today.—H. P. Schwab.

The Lake View Poultry Farm is now located at Deerfield, Ill., on a farm consisting of 17 acres, where you will find some of the finest Rhode Island Reds in the country. Every pen is headed by a prize

winner. Eggs, \$10 per 15. They also breed S. C. White Leghorns, which are high class in color, heavy type, and bred for egg production. Every bird in their twelve pens is up to standard weight or better. Their price for eggs is \$3 per 15. Send for egg circular, addressing Lake View Poultry Farm, Deerfield, Ill.

One of the largest pure bred poultry farms in the country is owned in connection with the factories of the Mankato Incubator Co. at Mankato, Minn. This means that the incubators and brooders made by this concern are put to the most thorough, practical tests before they are placed in the hands of buyers. Incubators and brooders marketed on this plan are no longer experiments, but the result of experience. There is nothing uncertain as to what they will do. They must prove their worth in actual operation on the company's own farm before they are turned over to purchasers. Twenty years of poultry success are back of Mankato incubators and brooders. The mistakes have been made, and overcome. The strong points have been discovered, and proved. Demonstrations that were a

part of the company's own poultry experiences have established the worth of each feature, and this twentieth anniversary year is showing a marked and deserved increase over any other year in the concern's history. It is safe to say that the points which have made "Mankato" profitable for the practical poultrymen who manufacture it will prove profitable for others, whether they be skilled in poultry raising or mere beginners. A fine catalog telling why Mankato has succeeded, and what it will do for others, is sent to anyone who asks for it.

The Progressive Incubator overcomes the ill effects of outside changes of temperature because it has hundreds of extra air cells in addition to the usual dead air space found in other makes. These hundreds of extra air cells make a perfectly protected egg chamber and insure large hatches. Their brooder also calls for your attention as it is hot water heated, large and roomy. The price for both is only \$9.85. If interested in poultry you should write to the Progressive Incubator Co., Box 135, Racine, Wis., for their free book.

## KAUP, QUALITY BUFF ORPINGTONS

are described in my new 1913 36-page catalog-mating list just out. It is the finest published by a Buff Orpington Specialty Breeder, gives complete description of my 21 specially mated yards containing the finest Buff Orpingtons, my up-to-date business methods and prices on stock, eggs and chicks. Express prepaid on eggs, chicks and exhibition birds anywhere. I have called my 1913 catalog "The Buff Orpington Guide," because it will guide you to satisfaction and greatest value for your money, as hundreds of satisfied customers will testify. Send for your copy now. Address:

**F. A. KAUP BUFF ORPINGTON SPECIALIST | Desk One CHICAGO, ILL.**  
Secretary Chicago Poultry Society, Member A. P. A. and ten other organizations. Local and Long Distance Phone Belmont 1724



## WHITE AND PARTRIDGE PLYMOUTH ROCKS

Chicago, Milwaukee, Racine 1913 Winners.

We have mated 12 pens of White Rocks and 6 pens of Partridge Rocks for the egg trade. Every pen is carefully selected and will produce birds of type and quality that will satisfy the most fastidious breeder. Remember that the prizes our birds won were won in the strongest competition at Chicago, against such breeders as Owen Farms and Guy Daily. I still have several splendid bargains in Partridge Rocks and Golden Laced Wyandotte Cockerels. Send 3 red stamps for our handsome new catalog just off the press. It will convince you that we have the goods and sell them at living prices.

**PETER OLLE -- R. F. D. 4, BOX 110 -- RACINE, WISCONSIN**



## JACOBUS IMPROVED SILVER CAMPINES GOLDEN

ORIGINAL INTRODUCER OF THE IMPROVED INTO AMERICA—At Madison Square Garden, New York, I won \$50.00 sterling silver cup, January, 1912, and also January, 1913, for best display American bred Silver Campines.

My birds laid white eggs that won first prize at Boston, 1910, 1911, 1912 and 1913. Competition open to the world, and eggs of all breeds. Consider carefully and start right.

**M. R. JACOBUS, Box 3-J Ridgfield, New Jersey**

## BLUE ORPINGTONS : SILVER CAMPINES

Max de Bathe, the originator and introducer into America of the celebrated Blue Orpington, can supply eggs from his best pen at \$15 a setting; utility, \$2.50 a setting. At Madison Square Garden Show, New York, 1911, with this variety I won 1st and 2nd cockerel, 1st, 3rd and 4th pullet. Last year I judged at the Garden so could not exhibit, but a large number of the winners were bred from pens I shipped or from my eggs. A few real high class birds left, from \$15.00 upwards. Silver Campine eggs, Show, New York, 1912, were birds got from pen I shipped them \$10.00 setting and \$5.00. The Ridge Egg Farm winnings at Palace last year. I won 3rd cockerel, 5th pullet at Madison Square Garden Show, and put down a display pen, the grandest ever seen in America and which brought the record price for this variety. I can supply 1,000 Campines ready for shipment in October. Place your orders now and get the best.

**Max de Bathe -- Hartley Court -- Reading, England**

## 20th Century Dual Purpose Fowl

MONMOUTH S. C. BUFF AND WHITE LEGHORNS. We have perfected in our strain the long sought for result, exhibition and utility combined. Champions of the South, practically sweeping the decks in both varieties at Atlanta, Ga., December, 1912, also winning 1st pen Madison Square, New York, 1912-13, for the 5th year in succession in Buff Leghorns our only entry, places the MONMOUTH STRAIN in a class by itself. Our Buffs and Whites are producing wonderful results on many egg farms the country over, and reports from Argentine Republic and other foreign countries, who breed the MONMOUTH STRAIN, are most flattering, which substantiates our claim that we have perfected in our strain the DUAL FOWL. Why hesitate and experiment when a tried and true article is within your reach? Join the ranks of Monmouth Customers and tread the path of success. Years of experience are back of our matings this season. They are not problematical but assured facts. Our past records speak emphatically for our ability in this line. Send for our beautiful 1913 Catalog and Mating List which gives full description and prices of our matings and stock. Always address,

**MONMOUTH FARMS J. C. Punderford, Owner FRENEAU, MON. CO., N. J.**  
Thomas Lockwood, Supt.



# ORIGIN AND HISTORY OF BUTTERCUP FOWLS.

**SICILIAN BUTTERCUPS**, as the name implies, were first found native of the island of Sicily, Italy, and hence they are classed as Mediterranean.

The origin of the breed dates back so far that it is shrouded in obscurity, they having been kept, possibly for ages, by the peasants of their native land for eggs and meat, with apparently no attempt to breed them to

the entire crew and fared well, and thus won the regard of captain and crew through unobtrusive worth, precisely as they have ever since done wherever they have been placed; for it is a very noticeable fact that whenever and wherever they are taken up they win their way to the final displacement of all competitors.

Mr. Loring, above referred to, is one of our well-known, old-time poultrymen. I quote the following from one of his recent letters:

"I am the original introducer and

from Messina, Sicily, but it took two years to find a cock and hen of my type, and mine are a type, and few of them exist in Sicily. Most of the native fowls there are varied greatly in feathering.

"In 1865 I was bringing out the Barred Rocks; then later Dark Brahmas; then originated and brought out the Silver Penciled Wyandottes and Partridge Wyandottes.

"I also imported 'Silver Braekels' from the grass district of Belgium and 'Silver Campines' from the pine woods district of Belgium, but do not like them and have discontinued both, as I found the Buttercups FAR SUPERIOR.

"In 1894 I first began to put out the 'Sicilians,' and I then added the word 'Buttercup.' See Year Book of the U. S. Department of Agriculture, Bureau of Animal Industry, for 1905. They there published the report of my breeding, etc.

"The speckled breasts and neck on Buttercups is wrong and not of the true type. With kind treatment Buttercups become companions like a dog or a cat."

So much for the origin and history of Buttercups. Whatever popularity they gained during succeeding years, until very recently, was made entirely upon intrinsic merit; upon their record as remarkable egg layers, which spread from mouth to mouth. To the above I add the following from the writings of Mr. H. W. Dewey, president of the American Buttercup Club:

"A little later John B. Gough, the great temperance advocate, obtained a trio of the breed, and still later, Rev. A. B. Browne, at the time a student in college, was presented with a trio.

"Fortunately, these early importations either remained or became the property of owners who were interested in keeping the breed pure, and thus a foundation for the establishment of this greatest of laying breeds was laid in America.

"The great and ever-increasing demand for Buttercup fowls is a surprise to many poultrymen, especially to those who have come to depend upon extensive advertising to boom their favorites. The little hen from Sicily has surely come to the front, and she has come by way of always and everywhere making good. Her fame rests on a most enduring foundation. Briefly stated, Buttercups are easy keepers, good foragers, very hardy, mature early, are as quiet and domestic as Wyandottes or Rocks, a little above the Leghorn in size, and wonderful layers of large white eggs.

"When I first became interested in Buttercup fowls there was no Buttercup organization, and no Standard of Perfection. On inquiry I learned that unsuccessful attempts at organization had been made, but difficulties in the way had discouraged final effort. My small flock was laying steadily. And every egg my birds gave me seemed an appeal to do something to safeguard the purity of the breed. I found that I could depend upon a number of willing helpers, and the work of organization was undertaken. As a result we now have the American Buttercup Club and a recognized Standard of Perfection. In testimony of appreciation of my efforts to bring an efficient organization into being, I was elected president of the club, and associated with me as officers were men and women eminently



First prize S. C. Brown Leghorn cock at Madison Square Garden, N. Y., and Philadelphia. Bred and owned by Frank Schellang, R. D. 8, Erie, Pa. This bird is considered, by all the leading judges, the best S. C. Brown Leghorn male bird ever produced.

feather or uniformity of type in coloring, although their peculiarity of comb and greenish colored shanks have long been maintained.

So far as I can learn, their original introduction into this country was first described by Carroll C. Loring, of Massachusetts, who gave the story, so oft since repeated, of old Cephas Dawes, the New England sea captain, who more than fifty years ago brought to Boston from Sicily a cargo of raisins, oranges and figs. When his cargo was made up and he was ready to sail he was attracted by a coop of fowls offered in the market, and thinking to occasionally have a treat of fresh meat while on his journey home, he purchased them and took them on board.

Captain Dawes soon noticed in them their "usual habit" of laying eggs, and they laid so continuously and well, large white eggs, with very firm shells and rich delicate flavor, and as they were of a specially gentle, quiet disposition, they soon became the pets of

breeder of Buttercups in this country. I have spent fifty-three years of my life in the scientific breeding of pure-blooded poultry; have originated several standard varieties; am original introducer in the United States of Barred Plymouth Rocks, with Mr. Upham, in 1865; of Orpingtons, as exhibited at Music Hall, Boston, in 1888; and of Sicily Buttercups, or 'Good Luck Fowls,' the dearest, cozy, profitable, success-bringing of any fowl, in 1860.

"Sicily Buttercups are handsome, attractive, endearing fowls to every woman and money-makers for man. They are very tame, docile pets, somewhat larger than Leghorns. They bring success, comfort and profit to all who keep them. They were first brought from the island of Sicily by Captain Dawes, in the bark 'Fruiterer'; our farms joined and I first obtained them from him. I have always found them tremendous layers of large-sized white eggs; very hardy, and splendid broilers. I have since received a new importation

**THE MOST POPULAR FOWL today is U. R. Fishel's White Ply. Rocks**



qualified for the performance of the duties of their positions."

In deciding a winner in every close competition I find the bird in the very pink of condition stands the strongest show of winning, as first impressions are hard to overcome, and a bird that shows all he is to advantage will win over a better bird that appears to a disadvantage. Brilliancy of plumage, together with harmony of color in all sections, is the strongest winning feature any male can have, while in females that velvety bloom, where you can't see where one feather leaves off and another begins, decides at first glance where the blue will hang. Depth of under color generally meets with strong consideration by all judges, and slight tinge of smut should not be cut hard.

The American Buttercup Club has grown to a membership of 250 within the first year of its existence.

Isaac F. Tillinghast.  
Factoryville, Pa.

#### INDIAN RUNNER DUCK CULTURE.

THE raising of pure-bred poultry has of late years grown into one of the most profitable and agreeable pursuits of which any one can engage. There is no better investment than the Indian Runner duck at the present time.

The demand for strictly first-class birds exceeds the supply and it is a mistaken idea to begin with low-grade fowls and endeavor to improve the flock. The best are by far the most profitable and the cheapest in the end, as much time is saved and it is possible to get the benefit of the years of labor and study the reliable breeder has spent in improving the stock.

The best way is to begin with a few fowls and let them make more capital by multiplication of individuals. Or secure settings of eggs from a reliable breeder. In doing either way one invests less capital to risk at the start, learns more every month and gets his birds in a successful manner.

I have had the pleasure of starting a goodly number of persons who have begun in this manner to raise Runners, and in nearly every case where there

was interest and business methods in poultry used, there was success beyond expectation. In fact, I started in this way and have certainly had no cause for regret.

The poultry business of today might be summed up in an egg-shell. In other words, it is the fowl that produces the greatest number of eggs at the least cost that wins out. The incomes from poultry may be divided in three classes: eggs, meat and fancy. And the Indian Runner duck meets the requirements of these three classes. They are persistent layers, laying nearly every day the year round, except during moult, with proper care. Not only one year but several. The eggs are of the very best quality and are superior to hens' eggs for staple and fancy edible use. Are much larger, and a brisk demand has been created for them in the city markets at an advance of several cents more per dozen than hen eggs.

Runners are very hardy, and it is surprising the number that may be cared for in a small yard, with so little time, trouble or expense. Are not bothered with contagious diseases; not infested with lice or other vermin; no scaly legs or frosted combs; require no water only for drinking purposes, and will thrive on any kind of land in any locality. The houses need not be costly or especially built for warmth, but should be dry. Ducks begin laying when very young, mature rapidly and are full fledged egg machines ere one realizes it. Eggs from well mated birds hatch well, ducklings are strong and vigorous; grow like weeds, and are ready for market in eight to ten weeks. What other bird can pay for itself quicker? As fowls for meat, owing to their quick growth, fine meat and little trouble to raise, they are a decided success.

There is a steady demand for fancy show birds, for Indian Runner ducks catch the eye of every poultry fancier with their lovely plumage, distinctive type and erect carriage, and an overwhelming demand for eggs for hatching purposes at attractive prices. Taking everything into consideration, there is no other fowl that affords a greater profit for the time, experience and out-

lay of capital than the Indian Runner. From their many good points advantageous to profits, appealing as it does to the people of city, town and country in a business way, there are vast opportunities. A few of them will make a living and a flock of them will start a bank account, or pay off the mortgage on the farm. We are in receipt of numerous letters in regard to them and always stand ready to give all desired information or help in any way we can. They have been so interesting and such money makers for us, I do not hesitate to say they can be for you, for Indian Runner ducks lay, win and pay.

Marian Holt.

Savannah, Mo.

#### BUTTERCUPS.

FOR the benefit of my Sicilian Buttercup breeding stock and to find out all I could about the breed of birds I have made this trip through the island of Sicily.

I have bred the Buttercup for several years at my home, Mountain View Poultry Farm, Painesville, Ohio, and as I am a great lover of this bird I have spared nothing in looking into their ancestors and their native country.

The Sicilian people are a strange lot of people and have some very queer ways about them. Most of them live in large stone houses which hold many families. They have no yards or lawns, but their doors are out even with the sidewalk. They have a court on the inside of the house which they use as a barnyard for their goats and donkeys, or sometimes they have it filled with palms. There is no chicken coop at all to be found except a small crate, which averages 2½ feet wide by 3 to 4 feet long and 3 feet high. This crate is made entirely of slats with nothing over to serve as a roof, as this crate is taken into the house at night to keep it from being stolen. There are no nests in the crate, as there is hardly room enough for the chickens themselves. The hen when she wants to lay goes into the house and uses the bed, table or any handy place as a nest. In one house I saw a hen laying on a pillow on the bed and another in a clothes basket at the foot of the bed, so you can see that the people are very kind to their chickens. All the food that they get they pick up in the street or under the table. This is the reason that the Buttercup is so easily tamed, as their ancestors simply have lived with the people. The hotel that I am writing this letter in has about 20 of these chickens and they are all around under the table while you are eating like a cat or a dog, and they are no more afraid than either. You can pick them up at will.

Now as to the kinds of chickens these people breed I defy any American breeder to tell, as I have seen a bigger mixture than I ever supposed existed. In all my travels over this island I have found only one man who raised poultry as a business, and I wish some of the American breeders could see his farm. He had Black Leghorns, Black Langshans, Buff Cochins, Brahmas and several other kinds, and not one was perfect or anywhere near. He had them all mixed up and thought they would breed good birds.

## CHICK INSURANCE

Would you like to have the lives of your baby chicks insured? Very well, then use a Simplicity Can't Clog Baby Chick Feeder. It always works and is always on the job. Simplex Supply House, Pontiac Bldg., Chicago

## DO YOU WANT YOUR CHICKS TO LIVE AND GROW LIKE WEEDS?

Then use a Simplicity Baby Chick Feeder. It gives 'em what they want when they want it. Get literature. **SIMPLEX SUPPLY HOUSE, PONTIACA BLDG., CHICAGO, ILL.**

## "CIRCLET" BARRED ROCKS

Eggs \$6.00 per 100. "Xcel" S. C. White Leghorns, \$2.00, \$3.00 and \$5.00 per setting. "Xcel" Part-ridge Rocks, a grand pen in every respect. Cock first at Springfield State Show. Also a good prize winner on Barred Rocks and Leghorns. Send for mating list; buy your eggs where you are sure of satisfaction.

Railway View Fruit & Poultry Yards : J. H. Tonge : Kangley, Illinois

**Eaton's  
Life  
Saver**

The World's best ration for the successful rearing of  
**Baby Chicks**

This well known brand has never failed to give satisfaction.

OUR BOOKLET FREE.

Your dealer or **R. D. EATON  
GRAIN & FEED CO., Dept. J,  
Norwich, New York.**

**Little  
Chick  
Food**

**THE MOST POPULAR FOWL today is U. R. Fishel's White Ply. Rocks**



His Barred Rocks had legs of all colors and some resembled the Brahma with feathers on the legs. So you see the idea that this country has of breeding for good birds. I defy any American to find a flock of birds in this country that will not show or resemble every known breed. I never could imagine such mixtures myself.

Now as to the Buttercup type. I have found some fine specimens, but never more than one to a flock. They are all mixed and you can find a cup crest on any kind you wish.

I landed at Palermo and went south to Catania, then on to Messina. At Palermo there were many to be found with the buttercup comb, but the farther south I went I found less, till at Catania I could scarcely find any at all. In Messina I found many more, and so you see they are along the north coast.

Many of the anxious breeders of America have written to the American consul, Hernando De Soto, at Palermo, and have stirred him to think that there must be a great breed of chickens in this island, but he tells me the same as I have told you—they are badly mixed and hard to get. Mr. Frederic Trear, of Salem, N. Y., being the only man that received any birds from Mr. De Soto. Mr. De Soto found a man by the name of Eugenio Rienzi who went out and found some of the birds and finally landed six birds. He did not find any two in the same pen, so you see it took many days of hard searching to get these six.

I went and had a talk with Renzi, with the aid of one of Mr. De Soto's men, and found that he did not know of any more of these birds and that he did not care to look for any more. The people in this country do not believe in anything like the poultry business. Mr. C. C. Groff, of Inglewood, Cal., and John R. Kemery, of Downingtown, Pa., also wrote to Mr. De Soto for birds, but after getting the price he heard no more from them.

No one but myself, who, having made the trip, can appreciate the trouble that Mr. De Soto has been to in trying to find these birds for the many people who have written to him, as it is next to impossible to locate them.

This trip has convinced me that I have some of the best birds that can be had and by careful mating I intend to still improve this breed.

It is fast becoming a most popular breed and I think that all of the American breeders were unable to supply the demand for birds this last season.

Yours truly,

Franklin S. Fifield.

Painesville, Ohio.

#### A COURSE IN POULTRY RAISING.

A class in poultry raising, as one phase of practical agriculture, has been organized in the North Platte (Neb.) high school. Superintendent Wilson Tout, of the city schools, has charge of this class, which has been limited to twenty members and is now full. The course of study for this class has been worked out by Mr. Tout from all available sources and from his own experience. No attempt will be made to go into the subject from the big commercial standpoint, but an attempt will be made to teach the principles and show the practices which will give better results on the farm and at the

city home, where poultry raising is only one of the industries.

The course will include a study of egg and meat production and the growing of well-bred and fancy fowls. It is intended to make it inspirational to a large degree, in the belief that enthusiasm for a subject is the surest means of getting the most out of it and making the most of it. Principles of breeding, causes and treatment of poultry diseases, planning of buildings and grounds, natural and artificial incubation, types, breeds and varieties of fowls, and the results of recent experiments in these and kindred subjects will be given. A study will be made of the relation of markets, prices and the preparation and marketing of live and dressed poultry and eggs.

Models of poultry coops, yards and fittings will be demonstrated. Standard breeds of fowls will be brought into the class room and studied. Modern devices, as the trap nest, sanitary roosts, automatic fountains, leg bands, egg packing boxes, etc., will be studied and investigated.

The intention is to make the course practical, but it is realized that there are limitations beyond which it will not pay to go. Every student enrolled, takes the course because he or she

wants it and sees that it is part of the present tendency to make education more practical and more in touch with the working world.

Harry A. Muntz, Elgin, Ill., breeder of high quality S. C. White Leghorns, made some grand winnings the past season. At Springfield, Ill., State Fair he won 1, 2, 3, pullet; 2, 4, cockerel. At Chicago, 2, cock. At Elgin he won silver cup for best display in mediterranean class and \$25 in gold for most qualified. Write him for what you want and mention American Poultry Journal.

Carl D. McCarthy, Kempton, Ind., breeder of Rhode Island Whites exclusively, has just issued a very neat catalogue about his farm and birds. This catalogue will be sent free to readers of American Poultry Journal. If you are interested in this breed send for one today.

**WHITE WYANDOTTES**  
Best quality Cocks, Cockerels, Hens and Pullets of the best breeding, size, shape and color. Every one right. Eggs, \$1 and \$2 per 15. \$5 and \$10 per 100. Correspondence invited. Satisfaction guaranteed. M. W. Grigg, Bu hnell, Ill. 3-1

## Lakenvelders



A fowl of rare beauty and real merit. Eggs from three matings at \$5.00, \$3.50 and \$2.50 per 15. Express prepaid. Circular. Mention A. P. J. when writing.

J. E. Johnson :: Slater, Iowa

## F. L. Poultry Farm Rhode Island Reds

Winings at Cincinnati, January 23 to 29: Single Comb—Cocks 2-3, hens 2-3, cockerel 6, pullet 5, pens 1-3. Rose Comb—Cocks 1-2-3, hen 2d, cockerels 2-4-5, pullets 1-3, no pens entered. Club silver cup best display Single Comb. Shape and color special Rose Comb male. Shape and color special Rose Comb female. \$5.00 gold champion female. We have some birds for sale that will improve any strain. Give us a trial and be convinced. Mating list now ready. F. L. Ober, R. F. D. 1, Verona, Pennsylvania

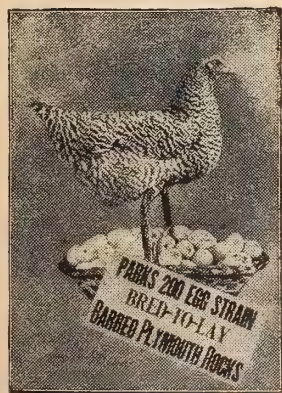


## PORTABLE POULTRY HOUSES AND BROODERS

DYER PORTABLE HOUSE & MFG. CO.  
4430 N. 40th AVENUE : CHICAGO, ILLINOIS

Our houses are well built of first class material and painted two coats of lead and oil. Send for free catalogue, orders filled on short notice. Mention American Poultry Journal.

## PARKS' Bred-to-Lay BARRED PLYMOUTH ROCKS



Is the strain you will evidently eventually breed. The strain that layed their way into universal popularity and are holding it by making good in hundreds of customers' hands.

They represent over 20 years of careful selection and trapnesting for eggs, as well as being kept close to the standard requirements, as my 1913 winnings show:

Chicago, Wash. Hghts., Jan. 27-30—1, 5, pullet; 2, 4, cockerel; 2, 5, cock. Pittsburgh, Jan. 13-17—4th pen. Altoona, Jan. 20-25—1, 2, 3, 4, hens; 1, 2, 5, cocks; 1, 4, cockerels; 2d pullet, 1st cockerel and pullet pen. 110 Barred Rocks in class.

**EGGS:** Selected, 15, \$5; 30, \$8; 50, \$11; 100, \$20  
Incubator, 15, \$2; 50, \$6; 100, \$10

EGGS BY PARCEL POST IF WANTED

Parcel Post leaflet "The Mail Route to Poultrydom" sent Free. Large 36-page catalog or chick circular upon request.

J. W. Parks, Box R, Altoona, Pa.



**Mr. E. B. THOMPSON A CANDIDATE  
FOR PRESIDENT OF THE  
AMERICAN POULTRY  
ASSOCIATION.**

Amenia, N. Y., March 15, 1913.  
To the Members of the American Poul-  
try Association:

At the request of breeders and

friends from every section of the coun-  
try I have finally consented to accept  
the nomination as a candidate for pres-  
ident of the American Poultry Associa-  
tion.

I do not crave for office, but I do  
feel that there are times when one must  
consider the wishes and the general  
welfare of the breeders and the indus-  
try at large above their own personal

desires, and bow willingly to the de-  
mands made upon them.

If elected I will owe the office to  
the members of the association. I have  
made no promises and do not intend to  
make any beyond these, viz.: That I  
will assume office and give it my every  
attention and all the time required for  
its proper fulfillment. That all matters  
for my consideration will receive im-  
partial and just action as I see and  
understand them. That I will freely  
use every power given me to properly  
fulfill my duties and will labor unceas-  
ingly for the welfare and general suc-  
cess of the great poultry interests and  
the American Poultry Association.

Let me urge upon every member  
that they should deem it a duty and a  
privilege to vote. They owe it as a  
duty to themselves and the American  
Poultry Association to fill out their  
ballot and return it to the election  
commissioner promptly.

I would respectfully ask for the mem-  
bers' support.

Fraternally yours,

E. B. Thompson.

**ANNOUNCEMENT FOR THE KAN-  
SAS CITY POULTRY SHOW.**

Our next poultry, pigeon and pet  
stock show will be held December 8 to  
13, 1913, inclusive. We have leased the  
whole of Convention hall, which will  
give us 80,000 feet of floor space in  
one of the best halls in the United  
States. Kansas City is the second rail-  
road center in the world, and a good  
show town, our shows are always well  
attended by the public. Our show last  
year was a success. The business done  
by exhibitors in selling stock and tak-  
ing orders for eggs equalled any show  
in America. Poultry journals did a  
large business in taking subscriptions  
and making contracts for advertise-  
ments. Exhibitors of incubators, poul-  
try appliances and supplies did a suc-  
cessful business.

Our entry fee (\$1) is the lowest and  
our cash premium (\$5) is the highest  
of any winter show in the country; we  
also have a large number of valuable  
special prizes. Official catalogue will  
be printed as soon as judging is com-  
pleted, giving the names, addresses and  
winnings of all exhibitors. We give  
free space and the liberty of the show  
room to the poultry press, and they  
will, in return, print full account of the  
show, thereby giving the winnings to  
the public in the January issue, thus  
giving the exhibitor full benefit of  
their winnings at an early date. The  
show is not given for the benefit of  
the promoters, but for the benefit of the  
exhibitors, and to put Kansas City on  
the map, as giving one of the best  
winter shows in the country. Exhibit  
with us. E. L. Noyes, Secretary.

726 Main street, Kansas City, Mo.

John L. Brown, Anderson, Ind., the well  
known breeder of Single Comb Black Mi-  
norcas, reports the following winnings at  
the Anderson, Ind., show recently. He  
entered ten birds and won eleven ribbons  
and cups, besides numerous special prizes.  
He has mated up several choice pens for  
the egg trade this season and can guar-  
antee satisfaction. Write him at once for  
prices and particulars.

Mr. Stahl has also equipped his incubator  
with a visible thermometer at top of ma-  
chine, always in plain sight, a lamp entirely  
enclosed which cannot be filled when lighted  
and a number of new and novel features to  
be found in no other incubator. It will  
certainly pay you to send and get a copy of  
Mr. Stahl's catalog.

**Whatglen Magnificent Black Minorcas**

The World's Largest Minorca Farm. Eggs, \$3 and \$5 per setting. 50 cockerels for sale, \$5 each.  
We aim to please, and always do.

Whatglen Farm : Frank McGrann, Proprietor : Box A, Lancaster, Pennsylvania

**Cretaceous White Wyandottes**

The sky is the limit of their quality. Eggs—Eggs—Eggs. Clean sweep at the big shows.  
First pen Cleveland, O. All firsts Wellington, O. Silver cup for best display Wyandottes.  
Silver cup and specials for best pen in American class. Mating list.

W. R. SHEPARD : BOX A : WELLINGTON, OHIO

**MAWER'S R. C. REDS**

Pen I headed by 1st Cleveland cock, also winner shape and color specials. Won last year  
as cockerel at Chicago, Cincinnati and Cleveland. Eggs, \$8 per 15. Pen II headed by  
"Governor," 1st Cleveland '12. Also winner of two specials for shape and color. Headed  
4th Chicago pen last Dec. Eggs, \$5 per 15. Pen III headed by "Pres. Taft," sire of all my  
finest winners. Eggs, \$3 per 15. The females in these pens are grand type and rich red.  
Order direct from this ad. The supply is limited.

ROBERT MAWER, PERRYSBURG, OHIO

**SILVER AND GOLDEN CAMPINES  
AND S. C. WHITE LEGHORNS**

Baby chicks of quality from these celebrated strains of heavy layers of large white eggs. I make  
no extravagant and unsubstantiated egg record claims; each year our chicks are bred from birds  
whose performance is measured by their egg yield, having thus earned a reputation in heavy egg  
production. At Cleveland, January, 1913, our Silver Campines have shown by their win-  
nings (two firsts, one second, one fourth, one fifth, on an entry of six) that utility and show  
values can rest in the same birds. Now is the time to book your order for either baby chicks  
or eggs for early delivery. Our prices are right and we guarantee to please. Catalogue free.

S. D. Hall : Box 78 : Seville, Ohio

**Only Live Chicks Count**

It is not the number of chicks hatched, but the number raised, that  
makes a poultry farm profitable. Chicks trampled to death or smothered in  
the brooding represent loss.

**International**

**SANITARY HOVER**

The only hover that is warmer near the curtain than  
at the center. This, by causing the chicks to distribute  
themselves near the edge of the curtain, prevents crowding  
and assures plenty of fresh air.

The Sanitary Hover can be picked up and carried around  
with ease and used anywhere. No carpenter work is required  
to set it up. It is fireproof, unbreakable, absolutely reliable.

More sales are being made of Sanitary Hovers than of any  
other two makes combined. Sixty per cent. of the Sanitary  
Hovers sold are replacing other brooding devices. If you are  
going to raise chicks this spring, you owe to them to investi-  
gate the results achieved with the Sanitary Hover.

Indorsed by Kellerstrass, Owen Farms, Wm. Cook  
& Sons, and America's leading poultrymen generally.  
The concerns named are breeders of the highest priced  
birds in the country. Every chick entrusted to a  
hover by them represents from \$10 to \$100 in value.  
They use the Sanitary Hover because they know it  
can be depended on.

Write for booklet containing a full description of the  
one perfect brooding device—the Sanitary Hover.

INTERNATIONAL POULTRY SALES CO.,  
Box 511, Brown's Mills, N. J.





# Associations and Shows

*Secretaries are Requested to Send in News Items of Interest About Their Shows for This Department*

## TROY, ALA.

Pike County Poultry Association members of the American Association will hold their annual show in connection with the Pike County fair, November 3 to 8. Mrs. Florence Forbes, Decatur, Ala., will judge.

The association is making preparations to coop fifteen hundred birds, and handsome cash prizes will be offered as well as specials. Call attention to the poultry fraternity that the South, and especially this section, is one of the best points for the sale of thoroughbred poultry and stock, and it would be well for the breeders to make an exhibit or display.—J. A. Henderson, Secretary Poultry Department, Troy, Ala.

## THE MODESTO, CAL., SHOW.

The Stanislaus Poultry Association of Modesto, Cal., held one of the finest shows in California this season. Between 900 and 1,000 birds were shown and to say the least the exhibitors were a live bunch.

The show compared well with the best class of shows in the East. A fine building and uniform crating was furnished by the association.

The state of California this year held 19 or 20 exclusive poultry shows, besides all the poultry shows in connection with the fall fairs. I am sure this is about three times the number that was held four years ago. In the next four years I think the number of shows will double. The competition in most all the varieties was pretty keen.

There were 101 S. C. White Leghorns, good quality all of them. The first cockerel won the Mediterranean special cup and was a beauty that had a fine concave standard back and tail.

Forty-one S. C. Brown Leghorns were shown. They had good Leghorn carriage, exceptionally good stripe in cockerels.

Seventy-two S. C. R. I. Reds were on hand. They were a good lot, but were not conditioned as well as some of the other classes.

S. C. Black Minorcas, 65 birds, and there was quality to burn. There were a number of big fine birds that would get in the real money if shown at shows like St. Louis and Chicago.

Anconas and Andalusians were up to their usual standard; some of the Anconas were a little too dark.

Silver and White Wyandottes about equal in number. The competition was not so close as in other varieties.

Seventy-two Barred Rocks made a fine showing and many fine birds did not get a place owing to such a fine lot; exceptionally fine coloring in cockerels.

White Rocks, forty-eight birds in number, made a fine display, and the quality was good throughout, and a number of birds were good enough to

win anywhere. First cockerel won special for best bird in American class.

White and Buff Orpingtons about 40 birds each and were an even bunch.

Other smaller classes were good, such as Partridge Rocks, Buff Leghorns, Silver Spangled Hamburgs, Columbia Wyandottes, Langshans, Bantams, Pekin and Runner ducks.

The association gave 17 cups and de-

## THE POULTRYMEN AT SARATOGA SPRINGS WAKE UP.

The poultrymen of Saratoga Springs, N. Y., have awakened to the fact that they have in their immediate vicinity some of the best birds in this country as well as a great many prominent poultrymen, so have organized a poultry association and elected the follow-



FIRST PRIZE PULLET BRED COCKEREL. PHILADELPHIA, DEC., 1912.

Here is shown by Mr. C. N. Myers, Hanover, Pa., a picture of his first prize pullet-bred Barred Plymouth Rock cockerel at the Philadelphia show, Dec., 1912. A bird of exceptional beauty and value. At Philadelphia he attracted special attention with his close, bright and snappy barring and ideal form. This line is famous for their females and this season have won at New York, Philadelphia, Hagerstown, etc. Mr. Myers winning first prize hen at the late great Garden show. H. P. Schwab.

serves much credit for the liberal cash prizes. E. C. Nichols, Modesto, Cal., is the secretary. J. D. Yates of Modesto and R. V. Moore of Oakland judged the show, both having judged at Modesto last year. All efforts will be put forth to hold even a better show next season.

This San Joaquin valley is a fine place for poultry. An irrigation system and good soil produces plenty of green vegetables, alfalfa and grain.

ing officers: W. H. Manning, president; H. A. Eddy, treasurer, and J. H. Eddy, secretary.

The association has decided on December 2-6, 1913, as dates for their annual show and are offering very liberal cash and special prizes, several silver cups having already been donated. Specialty clubs are invited to hold their annual meeting with them, very flattering inducements being offered.



A course of poultry lectures will be given during the year by prominent poultry lecturers, both on the utility and fancy branches of the industry.

The members of the association are full of enthusiasm, as is shown by the attendance at the meetings this winter, many of which have been held under the most adverse weather conditions, and every member is putting his shoulder to the wheel, not only to make the show a success but the association as well.

Any information desired regarding the association will be cheerfully given by addressing the secretary, care of the Saratoga Poultry and Pet Stock Association, Saratoga Springs, N. Y.

#### IMPORTANT CHANGE IN ALLENTOWN FUTURITY RULES.

Owing to a great deal of dissatisfaction with the rule requiring that seamless, enameled bands be shipped on the legs of all birds entered, at the age of from two to three months old, that feature will be abandoned in the coming great poultry futurity championships and in its place will be substituted the plan of last year that all birds proposed to be shown must arrive at Allentown wearing "Futurity," sealed and numbered, leg bands furnished by the association about ten days before the show. One band will be furnished each entry. The winners will be required to make

affidavit, month bird was hatched, where raised and by whom, thus fully safeguarding everyone.

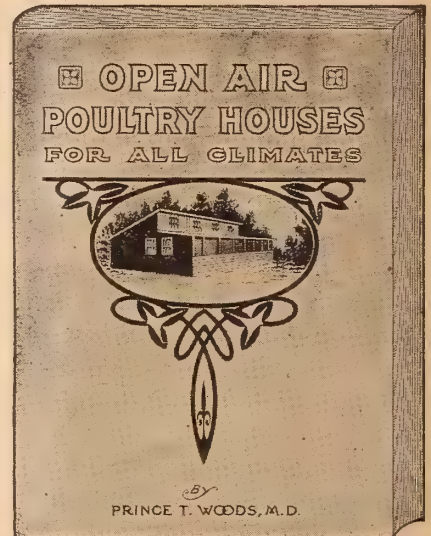
On account of this change in rules, the closing of final entries in all varieties will be moved on to May 1st, 1913. And public notice is hereby given to those who may already have entered that, due to this change of rules, they can withdraw same and that failure to do so will be construed as evidence that they agree to change.

It has been hoped that the English plan of "ringing" promising youngsters with enameled, seamless and untamperable and unremovable bands could be introduced on this side of the Atlantic and that same would prove

# OPEN-AIR POULTRY HOUSES FOR ALL CLIMATES

*By Dr. Prince T. Woods*  
America's Leading Authority on Practical Poultry Keeping

The best house book ever published. Now ready for delivery. Be sure to read it before you build or make alterations in your poultry houses. Just out. 88 pages, 46 illustrations and 5½x8 inches in size.



A WELL WRITTEN, WELL PRINTED, WELL BOUND (in cloth)—a REAL BOOK, not a pamphlet or catalog. Just what you are looking for if you want to be successful with poultry. All NEW. Special illustrations from pen drawings and from actual photographs of construction work. Plainly worded. Easily understood. Tells plainly how to build and what to build so that anyone at all used to handling tools can build a good practical open-front poultry house.

#### The Three Best "Fresh-Air" Poultry Houses

Tells how to build the kind of houses that the most successful breeders all over the country are building and recommending. Government workers favor these open-air houses. The "Fresh-air House" has come to stay and you will want to build one. It means Better Fowls, Freedom from Disease in the Flocks, Better Egg Yield, Better Fertility, Better Chicks.

#### No Matter Where You Live, If You Keep Poultry You Need This Book

There are nine chapters and every one of them full of live interest and helpful information. Just look over the table of contents:

Chapter I—**Sunlight and Fresh Air.** Importance of pure open air both day and night for all domestic poultry. Relation of sunlight and fresh air to health and vitality. Nature's best aid in the prevention of disease.

Chapter II—**Why Use Open-Front Houses.** A few more reasons why you should use open-front open-air houses for the comfort and well being of your fowls as well as the betterment of your profits.

Chapter III—**Hints and Helps on Building.** Tools and amount of experience required. Materials. Suggestions for saving cost, floors, frame, eaves; shingles or roofing. Portable or permanent buildings. Foundations.

Chapter IV—**Location of Poultry Houses.** Land. How to face the building. Relation to surrounding country. Prevailing winds and wind breaks. Continuous or colony buildings. Yards.

Chapter V—**Dr. P. T. Woods' Improved Open-Air Poultry House.** New descriptive photographic illustrations showing how to build and actual construction of house built to illustrate this

book and now being successfully used to winter 100 valuable White Plymouth Rock breeders. Dimensions of buildings. Suggestions for building on colony or continuous plan. Building instructions and list of material required for house to be boarded in, up and down.

Chapter VI—**Another Plan for Dr. Woods' House.** Line drawings showing plans and detail of frame. House to be boarded horizontally. How to build. List of material required. Complete building PLANS.

Chapter VII—**The Gillette Open-Air House.** The house used in the International Laying Competition. Description, plans and list of material required.

Chapter VIII—**H. H. Stoddard's Open-Air Cage Roost.** A protected outdoor roost for fowls in warm or hot, dry climates where no houses are needed. Diagrams showing two types of cage roosts. Night quarters which help solve the stickfast flea problem and afford greater comfort for fowls in tropical and semi-tropical climates. Rain tight roof may be provided where frequent heavy rains prevail.

Chapter IX—**The Tolman House.** Brief description and some views of this pioneer among modern "fresh-air" houses.

#### Does This Mean Anything to You? Greater Comfort for Your Fowls, Better Fowls, Better Returns, Bigger Profits

If it does appeal to you, then you want this book on Open-Air Houses. If it does not appeal to you, better read it and find out what others are winning success with. Fresh-air methods have helped others to become successful and make bigger profits. WHY NOT YOU?

Price of "Open-Air Poultry Houses for All Climates," 75c Postpaid. With American Poultry Journal, One Year, \$1.40. Remember Cloth Bound, 9 Chapters, Profusely Illustrated, on High Grade Paper, Only 75c. Canadian Subscription and Book, \$1.65; Foreign, \$1.90

American Poultry Journal Pub. Co., 542 So. Dearborn St., Chicago, Illinois



an especially valuable feature in the futurities.

But it seems breeders of many varieties, notably Barred Rocks, Rhode Island Reds, etc., feel sure they cannot select their best birds with any degree of satisfaction or certainty when small and hence their strenuous objections to the plan. Others seemed to feel that entrants might send the bands issued them to others to use on birds they were raising and that the affidavit plan of 1912 was much the better plan. And really there was no reason to change from said plan as it worked beautifully and to the satisfaction of all, only except for the reason given.

The 1913 Allentown show, September 23-26, will easily be the best yet. There will be several new features, probably an enlargement of the already large and tempting prize moneys and in every way this show will live up to its slogan "Noted for the way it does things and the things it does."

Therefore anyone having any early hatched and promising chicks will do well to consider the advisability of entering these futurities. They were a great success last year and will be an annual feature at Allentown hereafter. The management of the Panama-Pacific International Exposition Show, San Francisco, 1915, have already announced that they also will have championship poultry futurities.

For printed matter and entry blanks Great Allentown Fair, 1913, Championship Poultry Futurities address W. Theo. Wittman, Supt. Allentown, Pa.

#### PRIZES FOR LAYING TYPES AND BEEF TYPES OF POULTRY.

Probably for the first time in the history of poultry culture in America a poultry show will this coming season offer prizes on laying types and beef types of poultry.

This highly commendable move will be made by the Great Allentown Fair Poultry Show under the management of W. Theo. Wittman and the prize moneys that will be offered will be very large—probably double the prizes paid in regular classes.

Great and painstaking attention will be paid to the selection of the judge to pass on these new classes as his decisions will probably pave the way for what will in the future be the accepted types for laying and for killing chickens. Breed, variety or color are to cut no figure and owners of birds in the laying contest will be allowed, if they wish or can do so, to file statements showing number of eggs laid in period stated.

The winners in the beef type will be publicly killed and dressed within twenty-four hours after the awards are up so that the judge can more definitely show a good killing type of chicken. There will be two classes—one for yellow skinned and one for white skinned.

Entry fee will be same as in other classes—\$1 per bird. Prizes: \$8, first; \$4, second, with probably a third if the entries are as large as anticipated.

It is hoped that this competition will arouse a lot of interest and make at least a start in setting an egg type and a beef type.

Fuller particulars in premium list ready about July 1, 1913. Applications can be filed already by addressing W. Theo. Wittman, Allentown, Pa.

#### A STRONG BUFF ORPINGTON EXHIBIT.

The Illinois branch of the National S. C. Buff Orpington Club held their annual show in connection with the Peoria show December 3-7, 1912. A hot class of 260 Buffs faced Judge McCord. Of this number over 200 were owned by club members. The comparison system was used in placing the awards. The club elected the following officers for 1913: President, R. Willis James, Bradford; vice-president, C. C. Miller,

ficers elected: President, F. G. Bean, Collegeville, Pa.; vice-presidents, Dr. E. B. Kaple, Elbridge, N. Y.; F. L. Platt, Toledo, Ohio; Howard M. Munroe, Lexington, Mass.; secretary-treasurer, D. Monroe Green, Waterville, N. Y. An elaborate new club book has just been issued by the organization. It is printed on heavy enameled paper with beautifully embossed imitation alligator skin cover. Contains an abundance of valuable articles and other information concerning Columbian Plymouth Rocks, together with original



Bloomington; secretary-treasurer, A. B. Porter, LaSalle. The membership in this club keeps increasing and each year brings out a larger and stronger exhibit. A winning at this show cannot help but be of value to the exhibitor.

#### THE AMERICAN COLUMBIAN PLYMOUTH ROCK CLUB.

The regular annual meeting of the American Columbian Plymouth Rock Club was held at Philadelphia, Pa., in connection with the Philadelphia show, at which time the regular club business was transacted, various important matters discussed and the following of-

lifelike illustrations of prize winning specimens. Every person interested in Plymouth Rocks of any variety should read this book. It was issued at a heavy expense, but a copy will be sent free to anyone upon receipt of 10 cents to cover packing and postage. Send for one today. Address D. Monroe Green, Secretary, Waterville, N. Y.

Nearly every reader of this publication is interested in incubators and the improvements in artificial incubation. About as clever a device as we have had our attention called to is the Automatic Egg Turner on the Excelsior Machine, manufactured by George H. Stahl, 212 Elm street, Quincy, Ill. The eggs are turned without removing them from the machine. A slide is propelled backward and forward, turning every egg.



## NOTICE.

The nineteenth annual meeting of the American Black Minorca Club was held during the poultry show at Baltimore, Md., on January 1, 1913. It was one of the most enthusiastic and best attended meetings in the history of the

club and many important matters were discussed and some changes made in the by-laws. One new ruling was adopted, providing for election of officers by a postal vote, similar to the method employed by the A. P. A., and one provides against the election of more than one officer or director from

any one state or province.

The secretary invites all Minorca breeders to write him for further information and he desires to correspond with poultry association secretaries regarding the special ribbons the club will donate to any show.—Marcus Allen Northup, Secretary-Treasurer, Orangeburg, N. Y.

## "THE LUCKY SEVENTH."

The seventh annual show of the Empire Poultry Association will be held in the Palace, New York City, December 2-6, 1913.

We will tell you why it will be "the Lucky Seventh" later.—L. D. Howell, Secretary, Mineola, N. Y.

Freeport, Ill., March 18. 1913.

Gentleman:

The poultry breeders of Freeport and vicinity have organized a poultry and pet stock association for the purpose of increasing the interest in fancy poultry and to hold an annual poultry and pet stock show.

The first show will be held at the Odd Fellows' Temple from December 15th to 20th, 1913, and as liberal prizes, cups, etc., will be awarded and as our show dates do not conflict with the show dates of the surrounding towns we expect a large entry in every class.

Anyone wishing to become a member of this association can do so by sending \$1, the annual membership fee, to the secretary, Paul Wurtzel.

## ROSE COMB WHITE ORPINGTON BREEDERS, ATTENTION!

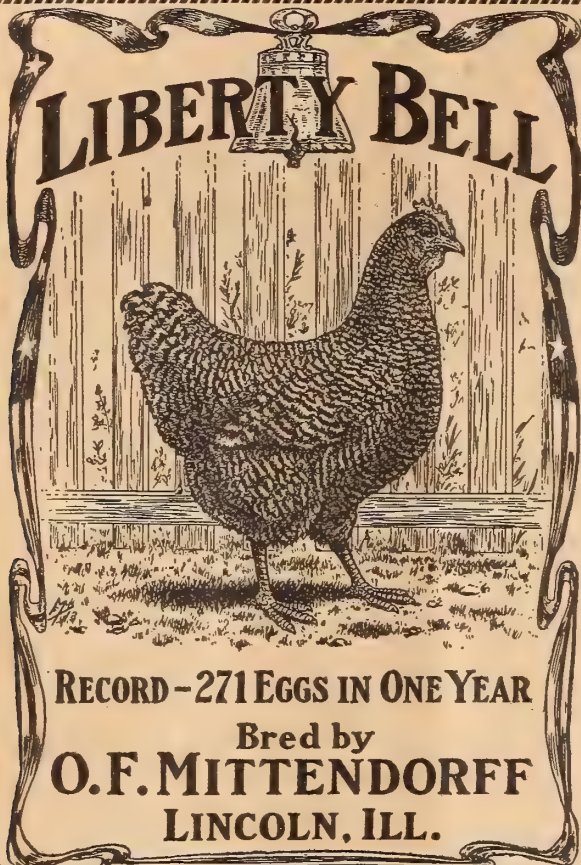
Secretary Cambell assures us that so soon as the club has 100 members the variety will be admitted to the Standard.

Every fancier of the variety is urged to join the club at once, as the first catalogue goes to press at once and should contain every possible name. The dues are \$1 per year and must be sent to the secretary, Milton W. Brown, Station L, Cincinnati, Ohio.

The splendid showing of the R. C. Whites at Madison Square and other important shows has convinced the skeptical this year that the Rose Comb Whites are now fully as far advanced as the Single Combs, both as respects color type and size.

Those who do not breed the R. C. Whites are invited to send stamp for copy of the new catalogue, ready very soon.

The Bunker Hill Poultry Farm at Mankato, Minn., is owned by R. F. Neubert. This well known poultry expert is engaged in more than the manufacture of Triumph incubators and brooders. His output includes poultry foods and supplies of all kinds, while his activities embrace the actual breeding of the finest birds. In other words, here is an incubator manufacturer who is actually engaged in the general poultry business, knowing poultry requirements, skilled in the finer points of the industry and backed by real, practical experience. In 1893 the Bunker Hill "farm" was one small chicken house and a very limited piece of real estate. Today it is an immense poultry show in itself—a credit to the skill and energy of its founder. Mr. Neubert's friends declare that the success of Triumph incubators and brooders is natural, because it is built on such knowledge and experience. And thousands have come to know that the machines which hatch and protect fowls like the ones from Bunker Hill Farm are profitable either for the professional poultryman or the amateur. "Neubert," "Bunker Hill" and "Triumph" appear to be permanently linked as signifying poultry success. A catalog describing and illustrating this interesting business is sent on request.



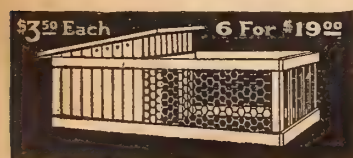
## GREENAN'S WHITE WYANDOTTES

At Pt. Huron, 1913—America's Quality Show.—Won everything in sight, first and second cock; first hen; first cockerel 1911-1912-1913; first pen 1913; best display 1912-1913. Send for my mating list and see who has the winning kind. Fine breeding males, \$5.00 to \$10.00. Book your egg orders now. Please mention A. P. J. J. B. GREENAN DECKERVILLE, MICHIGAN

## Tompkins' Rhode Island Reds Both... Combs

Better now than ever before. Hundreds of high-class breeding birds at reasonable prices. Write us before ordering elsewhere. Eggs from high class pens.

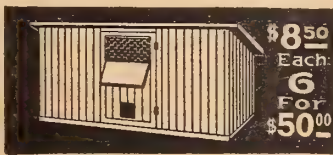
Concord Poultry Yards, Harold Tompkins, Prop., Concord, Massachusetts



SANITARY brood coop for hen and chicks. 2 feet square with 3-ft. covered wire runway; made of red cypress, painted two coats. A fine setting and brood coop at low cost. Order 6 and save freight.

## FREIGHT PAID

On Orders for Six or More East of Rockies



SANITARY colony roosting coop for 50 growing chicks, 3x6 feet, 3 feet high; vermin proof. Fresh air front. Complete with 2 perches and floor. Made of red cypress. Worth \$1 more. Try 6 and be satisfied.

## Before You Build or Buy



Get Our Big New Catalog — See How Much You Save by buying Potters Portable Factory-made Fresh-air Houses; coops, feed hoppers, fountains, vermin proof roosting and nesting fixtures, etc.—everything for poultry owners, highest grade and cheaper than you can make at home.

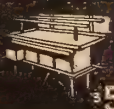
## Ten Years' Experience

Houses made of matched Red Cypress flooring. Painted 2 coats. Every house set up and fitted perfectly at our factory. Shipped to you in convenient sections. Price for 26-Hen House complete with roosting and nesting fixtures, \$22. Twenty other sizes and styles to select from. Lowest prices. Book full of good ideas for poultry keepers. Mailed for 2 Red Stamps. Write today. Potter & Company, Box 121, Downers Grove, Ill.

## GET POTTER'S CATALOG



SAVE MONEY ON HOUSES AND FIXTURES





### THE RHODE ISLAND WHITE CLUB OF AMERICA

Has its second annual year book ready to mail. The club now has 156 members, representing 36 states and Canada. This book contains many items of interest to Rhode Island White breeders and each one should possess a copy. It is free to all members of the club. Non-members may obtain a copy by sending 10 cents to cover cost of mailing, to the secretary. Or, better, send \$1.00 for membership fee and dues to November 1, 1913, and receive the book free.

For further information and application blanks write the secretary, Mrs. C. M. Vertrees, Cecilia, Ky.

### AMERICAN BUCKEYE CLUB ISSUES NEW CLUB CATALOGUE.

The American Buckeye Club has just issued a new club catalogue with full information about the breed, its history, breeding, etc. The articles on breeding by Mrs. Mettie Metcalf, the originator of the breed, are especially valuable and written in charming style. The book, which is illustrated, will be sent postpaid to any address on receipt of four cents in stamps by any member of the club or the undersigned.—A. H. Weisberg, Secretary-Treasurer, Nevada, Mo.

The National Columbian Wyandotte Club has just issued its fifth annual catalogue and it is a book that will prove very interesting and helpful to all Columbian Wyandotte breeders.

The catalogue contains 80 pages printed on the best of paper to show up the halftone illustrations and text. It has, besides the list of officers and members, many valuable articles by prominent fanciers, a full report of the annual meeting and list of awards of all club special prizes at last season's shows. Mr. D. Lincoln Orr, of Orr's Mills, N. Y., is the new president, taking the place of Mr. W. G. Fenton, who resigned.

The club has published its new and copyrighted Club Standard for Columbian Wyandottes. These are for members only.

The catalogue is free upon request. Address National Columbian Wyandotte Club, Ralph Woodward, secretary-treasurer, Grafton, Mass.

Pittsburg, Pa., 2-6-13.

Hancock Inoculum Co., Inc.,  
Salem, Va.

Gentlemen: We are in receipt of your favor of the 4th inst., acknowledging receipt of our order given your Mr. McNickle for fifty gross of OCULUM to be shipped at once.

We note your remarks in regard to results expected from our territory, and in reply will state that we have been handling OCULUM now for more than a year, and although we have always put it out on your "MONEY REFUNDED IF NOT SATISFACTORY" plan we have not been called upon to refund for a single bottle on the account of unsatisfactory results.

On the other hand we have received so many repeat orders and unsolicited testimonials from practical poultry men, that we are forced to the conclusion that OCULUM used according to directions will in every instance do what you claim for it. With this past record plus the assistance that you are so kindly rendering us, we will miss our guess if we are not in the market for more goods within the next thirty days.

Wishing you success and assuring you of our hearty co-operation, we are,

Respectfully yours,  
THE I. W. SCOTT CO.,  
Per R. H. S., Pres.



The Aristocrats of the  
Poultry World

A typical 7-pound Yama Minorca female from an untouched photograph. Note the long back and depth of body and all egg-laying characteristics.

## Yama Single Comb Black Minorcas

WE believe there have never been put together twelve better pens of Minorcas. Every one is headed by prize-winning males—and one of the best judges of Minorcas wrote us on February 17: "I would like to show six of your Minorca cocks against any six in the country."

**Of the 51 cockerels and pullets we have exhibited this Winter at four shows, 42 were placed and EVERY ONE WAS BRED AT YAMA FARMS.**

Eggs for hatching from these pens, \$10 a setting.

Utility Minorca eggs for setting, from brothers and sisters of these selected pens, \$3 a setting, \$15 a hundred.

At Madison Square Garden, N. Y., December 30 to January 4, 1913, Yama Farms won on S. C. Black Minorcas, first, third and fifth cocks; first, fourth and fifth cockerels; first, fourth and fifth pullets; third hen; first and fourth pens; four firsts out of a possible five.

At the last Madison Square Garden Show, we had more Barred Plymouth Rocks placed than any other breeder. There IS no better pullet-mating line than we have to-day and our cockerel matings are headed by such great birds as Cock Robin, the first cockerel and championship male at Buffalo, January 1913.

See from our catalogue and show records the kind of Barred Rocks we are breeding. We know the full pedigree of every bird in our pens and have given much care and attention to these matings.

Eggs for hatching from pens Nos. 16 to 22, \$10 a setting, as they run. Eggs, \$1 each if all from one pen.

Utility Barred Rock eggs, \$3 a setting, \$15 a hundred.

Send for our catalogue illustrated from untouched photographs, also our 1913 mating list.

**YAMA FARMS**  
Napanoch, Ulster County, New York

Newton Cosh, Manager Poultry Department



### PARTRIDGE PLYMOUTH ROCKS.

As Seen by Louis A. Stahmer at F. N. Perkins' Yards, Freeport, Ill.

Environment, climate and the handling affect the color, character and shape of every breed of fowls. Variations in climatic conditions in America are not so great that the effects are noted to any extent in the color of the breed, but environment and handling affect the characters of fowls very quickly and will be noted at a glance when visiting different breeders. For instance, visit a breeder who does not pay much attention to his flock, feeds them irregularly, and throws rocks or anything handy in order to make them go out of his way, and you will find that his birds will rapidly lose the original shape of the breed on account of having to be constantly on the lookout dodging rocks or other missiles. It makes them nervous, retards egg production and in time this habit will become fixed, and if the flock continues to be bred in line, will be transmitted to the offspring. On the other hand you will find the best colored and shaped birds in the yards of the breeder who feeds regularly and treats them kindly. We formed an opinion about Mr. Perkins' stock the moment we saw him and his beautiful house, surrounded by acres of as choice land as can be found in Illinois. Our opinion was confirmed when we saw his Partridge Rocks. Shape makes the breed, color the variety and according to the superiority of these two qualifications the judges award the prizes at the poultry shows. When Mr. Perkins started many years ago with Partridge Plymouth Rocks he set the highest standard for those two desired qualifications and as price was not considered when he made his purchase of the original foundation stock he naturally got the very best to be had in the country. The result of this is plainly visible to the observer when looking at the birds on the Perkins Farms. His fowls having been bred strictly in line, show the same general shape and color throughout the whole flock. That Mr. Perkins' ideas regarding the desired standard, shape and color is pretty nearly correct is proven by hundreds of first prizes won by his birds when exhibited either by himself or his customers at the largest shows in the country. His catalogue is the talk of the poultry world. From a typographical and artistic standpoint it has no equal in the poultry line and as far as the contents are concerned it is a text book on the breed and worth many times more than the 25 cents which he asks for it. It contains the only color plate ever issued on the breed in this country. This catalogue has cost considerable, and the 25 cents does not begin to cover the actual cost of production. His mating list contains a small reproduction of a pair of Partridge Rocks in natural colors and is sent absolutely free to the inquirer mentioning the American Poultry

Journal. It contains descriptions of all the pens he has mated for the egg season, and it will pay those interested in this breed to send for it at once. Address F. N. Perkins, 22 Harlem Road, Freeport, Ill.

### 1913 DE GRAFF BOOK ON REDS.

We are in receipt of an advance copy of E. T. De Graff's new catalogue on Reds, which is without doubt the best ever put out by him.

For several years back the De Graff Book on Reds has been the finest poultry literature published, and the acknowledged authority on all subjects pertaining to Rhode Island Red fowls. While the book contains three colored true-to-life pictures, and steel engravings, all printed on the finest superfine paper with many fine illustrations, still the real merit of the book is in the original practical ideas advanced by Judge De Graff, who has made the study of Reds his life work.

The book is 9 by 12, containing forty pages of instructive matter with purple margin to colored pictures, bound with a dainty Japanese cover, giving it the appearance of a dainty bouquet of violets.

Five thousand copies are sold each year at twenty-five cents each to fanciers all over the world, and thousands of these pictures are framed in homes all over the world, making an advertisement that will never die.

The De Graff famous Reds have been shipped to every civilized country of the globe, and their extensive business is growing every year, proving that their customers must be getting best of satisfaction. Write for a copy to E. T. De Graff, Amsterdam, N. Y.

William Cook & Sons, originators of all the Orpingtons, of Scotch Plains, New Jersey, have had a very successful show season, winning with their Orpingtons one hundred and thirty-six first prizes, practically all the winners are in their best egg pens, which are better in quality than ever. Their first prize Buff Orpington cockerel, at Madison Square, 1913, is heading a pen, and eggs from his pen are \$20 a setting, the same as their other best eggs. It was reported that this bird was sold, but it is not so. Mr. Percy A. Cook reports that the demand for eggs is greater than ever this year, but with increased facilities, he is able to take care of egg orders promptly. This firm does not sell day old chicks, as they believe it is more economical for their customers to purchase their eggs, results from which are absolutely guaranteed. The demand for their new Blue Orpingtons is very large, in fact, more than the supply. For the benefit of those wishing to visit the Cook plant at Scotch Plains, N. J., Westfield, N. J., is the station to get off on the C. R. R. of N. J., which is only eighteen miles from New York City, and if they phone

or write, they will be met at the station. This farm holds the world's record for visitors in one day, last summer, on one Sunday, five thousand one hundred and two people looked over the place, and on a fine Sunday the average is over three thousand people. For the entertainment of visitors, besides the Orpingtons, animals of all kinds and ornamental land and water fowl are kept, all of which adds interest to a visit to this interesting and attractive place. Last week one of the bears on the place got out of its cage at night and spent two days at liberty before Mr. Cook caught it. In the meantime the school children for miles around had two days rest from school till the bear was caught. A new incubator cellar with a show room on top one hundred feet long has just been completed on this plant. Mr. Cook states that the competition this season for the \$50 cups he gives every year for his customers to compete for was more keen than ever, one man won four of them, and several two each. The competition for these cups gives quite a little enthusiasm to people having their birds, and adds to the interest of raising Cook Orpingtons. Their catalogue, with mating list, will be mailed on receipt of ten cents and mentioning this paper. Catalog contains the history of the origination of all the Orpingtons and hints on poultry keeping, and is an attractive book.

### LICENE KILLS THE LICE.

When other lice-killers fail, try Licene: it does the work every time. Send to the Licene Co., Pontiac Bldg., Chicago, Ill., 50c, and they will send you enough Licene for 200 birds. Read these testimonials:

So, Framingham, Mass., 3-11-1913.

Gentlemen: I have tried your Licene and carefully watched a cockerel that was very bad, on examination four days after applying I found he was absolutely free from lice. The method of applying is very clean. It seems to me if it would work in all cases as it has in this that you have the best thing on the market.

Yours very truly,

Arthur G. Duston.

Jacksonville, Ill., 3-7-1913.

Gentlemen: Your Licene is a wonder worker when it comes to cleaning lice from chickens. I cheerfully recommend it to all poultry raisers.

Yours, etc.,

D. T. Heimlich.

### BEST REDS IN AMERICA

TUTTLE'S FAMOUS STRAIN  
ROSE COMB RHODE ISLAND REDS

After May 15th we will sell 50 of our breeding males and females, including some winners at the big shows. (Successors to R. C. Tuttle.)

Maltbie & Shelley : Geneva, Ohio

## CARL C. BEATTY'S ROSE AND SINGLE COMB REDS

Always heavy winners at the best shows—winning at Cleveland, Indianapolis, Detroit, Mansfield, Lansing, and in all parts of the country in customers' exhibits. More Specials than any other strain. Young stock bred like, and bred by these classy winners. Prices reasonable. Quality the best. Booking limited number of settings from best matings. Write for prices.

CARL C. BEATTY -- SUCCESSION TO BICKFORD & BEATTY -- VAN WERT, OHIO

## S. C. BUFF ORPINGTONS

WILLARD'S CHAMPION SHOW WINNERS—200 birds now for sale. Males \$3; some bargains at \$5 to \$10 each. Females, \$2 up. EGGS from nineteen pens and three farm flocks. Incubator eggs, \$8 and \$10 per hundred. Special matings headed by prize winners, \$3 to \$15 per setting of fifteen. Large illustrated catalogue free. Write and mention American Poultry Journal.

WILLARD POULTRY FARM - - - LINDEN, MICHIGAN

## PRESCOTT'S ORPINGTONS

BUFF, BLACK, WHITE AND DIAMOND JUBILEE

Located in their new home. We are only 23 miles from Boston, on the main line of the B. & M. R. R., which gives us the best of train and express service. We have a grand lot of Orpingtons and are prepared to furnish both old and young stock. If you need anything good in Orpingtons let us hear from you. Eggs for hatching in all 4 varieties.

H. B. PRESCOTT -- 75 Salem St. -- ANDOVER, MASS.



# SIMPLICITY POULTRY FEEDER

## Insures The Health of Your Flock

### THE QUANTITY OF EGGS

Produced by a hen depends largely upon the method of feeding you pursue. It has been proven time and again that a hen must have proper exercise and proper food to keep in the best condition and produce all the eggs she is capable of laying.

### GET MORE EGGS

By feeding properly. Send for our free book "What And How To Feed." It contains valuable formulas, mixed rations for Spring, Fall, Winter and Summer foods, chick foods, growing foods, etc. It also tells you how to get the best results from such foods by feeding them with a **SIMPLICITY POULTRY FEEDER**. It is worth dollars to every poultry breeder. It is a book you will want for reference at all times and a book that will save you many dollars in feed bills if you follow the instructions contained therein.

Frankfort, Ind., March 11, 1913.

Simplex Supply House, Chicago, Ill.:  
I am greatly pleased with the Simplicity Automatic Feeder and Exerciser and I found it very successful, as I had a few pens of chickens which I did not have time to give attention to only once a day, and that in the morning—feeding them a mash and placing water for them. The chickens now successfully feed themselves during the day, as I kept them down in deep litter. The Feeders have certainly saved me much labor and brought chickens through the winter in a healthy condition and some of them are my first prize winning birds.  
Coulter Red Farm.

Columbus, Ohio, March 5, 1913.

Simplex Supply House, Chicago, Ill.:  
The two feeders are in use and working like a charm. Later along I hope to send for a few more, as my flock is on the increase and I like your feeder very much.

W. G. Pengelly.

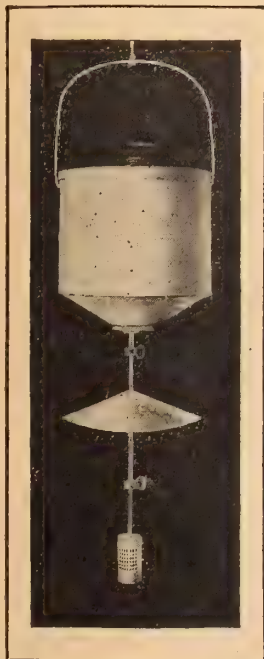
Fennville, Mich., March 5, 1913.

Simplex Supply House, Chicago, Ill.:  
Your feeders certainly are time savers and a very great convenience. My flock of R. C. R. I. Red pullets that I am feeding with your feeder were all hatched between May 20 and June 10th, 1912, commenced laying in November and your feeder was installed about December 15. In January, 1913, the 38 pullets laid 256 eggs, in February, 456 eggs, and so far this month are hitting a 60 per cent gait, which is evidence convincing to me at least that their feeding is about right. Shall want several more this spring to furnish a new house.  
F. O. Homel.

St. Louis, Mo., March 5, 1913.

Simplex Supply House, Chicago, Ill.:  
I am using three of your Simplicity Feeders and I like them very well. I fill them every ten days. They certainly save labor.

Chas. H. Brown.



Glen Ellen, Cal., March 10, 1913.

Simplex Supply House, Chicago, Ill.:  
I have been using your feeder in the brooder house with baby chicks and it works very well. The one I have has saved me quite considerable trouble and care in feeding.

Lawrence Bufford.

Racine, Wis., March 5, 1913.

Simplex Supply House, Chicago, Ill.:  
I beg to advise that your feeders have been most satisfactory. I have found them to be time-savers and of great benefit, as they give the chickens plenty of exercise in securing their feed.

Wm. H. Armstrong.

Chicago, Ill., March 10, 1913.

Simplex Supply House, Chicago, Ill.:  
Your Automatic Feeder is satisfactory in every way, and as our stock increases, I will favor you with more orders.

J. J. Maitre.

Crystal Lake, Ill., March 10, 1913.

Simplex Supply House, Chicago, Ill.:  
I am more than pleased with the six Simplicity Feeders that I ordered last November, and they have given me no trouble whatever. With best wishes, I beg to remain,

Wayne Groves Barrows.

Pittsburgh, Pa., March 10, 1913.

Simplex Supply House, Chicago, Ill.:  
The Simplicity Automatic Feeder you shipped to me was received and I have had it in use for three weeks, and I am well pleased with it. It does good work and is a great saving in feed. I think it is a great exerciser and keeps the chickens working and laying.

Frank Butler.

Fitchburg, Mass., March 12, 1913.

Simplex Supply House, Chicago, Ill.:  
I am giving the Simplicity a fair trial. I have three other makes of Feeders in my hen house. So far as I see your feeder appeals to me as the most satisfactory.

Very truly yours,

Dr. N. Wallis.

## THE SIMPLICITY POULTRY FEEDER

Is all that its name implies. It's "Simply Perfect and Perfectly Simple." No mechanical parts to get out of order, nothing to clog up, no springs to break, adjustable to the finest degree, feeds any kind of grain from whole corn to millet seed either whole or mixed. All you do is fill the hopper and the chickens do the rest.

The **SIMPLICITY POULTRY FEEDER** works from every direction. It scatters the feed further than any other and makes the chickens exercise and produce all the eggs they are capable of laying. The **Simplicity** is shipped to you in a compact form and you will have no further expense after you send in your order to us, as it is delivered to your door prepaid, will last a lifetime, and is constructed so that it is impossible for any part to get out of order and it **Can't Clog**. Feeders that choke up when a piece of straw or corncob gets in, or fail to work for any other cause, are worse than no feeder at all. If you depend on a feeder, it should work at all times so that the fowls will not go hungry. We guarantee that the **Simplicity** will work at all times and not choke up.

#### MONEY BACK GUARANTEE

Every feeder sold by us is sold with the understanding that we will refund your money if the feeders are not satisfactory and you notify us to this effect within thirty days after receiving them. Your jobber will sell them to you on the same terms. You won't make a mistake if you equip your plant with **SIMPLICITY POULTRY FEEDERS**, as they will pay for themselves in 30 to 60 days and will make money for you at the rate of 50 per cent thereafter.

#### AGENTS WANTED

**SIMPLEX SUPPLY HOUSE**  
PONTIACA BUILDING -- CHICAGO, ILLINOIS

#### SIZES

Ten quart size holds nearly one and one-half pecks and will feed a pen of 10 to 15 birds at least one week. Twenty quart size holds nearly three pecks and will feed an average pen about three weeks or a flock of 20 to 30 birds at least one week.

#### PRICES DELIVERED EAST OF THE ROCKIES

Quantity	Baby	10-qt.	20-qt.
Each	\$ 1.25	\$ 2.50	\$ 3.50
Lots of 6	6.00	12.00	18.00
Dozen Lots	11.00	22.00	32.00

Orders of less than six 10 or 20-qt. feeders and Baby feeders in dozen lots or less will be shipped by Parcel Post or prepaid express within a radius of one thousand miles. Longer distances and larger orders for all points east of the Rocky Mountains will be shipped by prepaid freight, unless otherwise instructed.



# CLASSIFIED ADS

UNDER this heading ads will be inserted for seven cents per word each month for less than three months, and five cents per word each insertion for three months or longer. Changes in copy allowed every three months. Numbers and initials count as words. All ads will be inserted under classified headings. No ads accepted at less than an average of sixty cents per insertion. Terms, cash with each ad. Count the words carefully to avoid delay in publishing. Write your copy plainly, as upon this the correctness of your ad largely depends. When placing your ads remember that advertisers using Classified Ads get better returns from AMERICAN POULTRY JOURNAL than from any other poultry journal—none excepted. On writing any of these advertisers mention A. P. J. All copy for Classified Ads must reach us by the 17th of month preceding date of issue.

## PLYMOUTH ROCKS.

WHITE ROCKS, FISHEL strain, eggs \$1.00 and \$2.00 for 15. Rocky Slope Poultry Yards, Royalton, Wis. 4

WHITE PLYMOUTH ROCKS. Sixty acres devoted to the one breed. Eggs \$2 per 30; \$5 per 100. Catalogue free. Philip Condon, Box 7, West Chester, Ohio. 4

WHITE PLYMOUTH ROCKS ("Fishes' Direct"). Best layers on earth. Eggs, \$1 per 15; \$4 per 100. Grace Eby, R. 4, Osborn, Ohio. 3-5

THOMPSON RINGLET BARRED Rock eggs, 15 for \$1.50, 100 for \$5. Leonard Felker, Garduer, Ill. 2-5

COLUMBIAN ROCKS. Eggs from Toronto winners \$3 per 15. Circular free. P. C. Gosnell, Ridgetown, Ontario, Canada. 4-6

RINGLET EGGS. All pens are headed by cocks and cockerels direct from E. B. Thompson. Eggs, \$1.50 setting, fair hatch guaranteed. M. L. Stamper, Clifton Hill, Mo. 4-5

BUFF ROCKS—EGGS FOR hatching from the best birds money could buy of the famous Poley's World's champion strain. Grand pens now mated. Eggs \$3.00 and \$2.00 per fifteen. Mrs. Marge Rose, Liberty, Ind. 2-4

RENAKER'S PARTRIDGE PLYMOUTH Rocks winners wherever shown. At American Fanciers' Show, Cincinnati, 1913, just won ten ribbons on fifteen entries in a class of 82 birds against hottest competition. Stock for sale at right prices. Also eggs and baby chicks. Write for Mating List and other winnings. Walter C. Renaker, Fernbank, O. 3-5

FLOWER CITY POULTRY FARM'S Barred Rocks, males heading pens score 91½ to 92½; pullets none lower than 90½. Latest winnings January 8 to 11 Mo. Interstate Poultry Show (Judge Branch scoring). 1st, 2nd cockerels, 3rd hen, 3rd pullet, 2nd, 3rd pens and 3 specials. Booking egg orders. State what mating desired. B. Y. Jaudon, Palmyra, Mo. 3-5

LARGEST BUFF ROCK farm in Northwest. Circular free. L. B. Hanna, Austin, Minn. 3-5

EGGS FROM THOMPSON'S Imperial "Ringlet" Barred Plymouth Rocks. Pullet and cockerel matings. Day-old chicks. From best matings. W. F. Wright, Spirit Lake, Iowa. 3-5

E. B. THOMPSON'S STRAIN. Barred Rocks, quality yellow bills and legs. Hatching eggs, \$1.50 fifteen. Four weeks old chicks. Summitview Poultry Farm, Deerfield, N. Y. 3-5

EGGS FROM WHITE PLYMOUTH Rocks, which took ten premiums at Decorah, four at New Hampton this January. Selected. \$2.00 fifteen; utility, \$1.25 fifteen, \$5.00 hundred. Mrs. John A. Jewell, Cedar Hill Farm, Decorah, Iowa. 3-5

WHITE PLYMOUTH ROCK eggs, \$1.00 to \$3.00 per 15; baby chicks, 15c to 30c each. Won 19 ribbons at three shows on total entry of 23 birds. Satisfaction guaranteed. Geo. A. Carpenter, Appleton, Wis. 3-5

RINGLET BARRED PLYMOUTH ROCKS. Direct from E. B. Thompson, both matings, 3 pens. Eggs, \$2.50 per 15; \$4.50 per 30; farm flock, \$1.75 per 30; \$2.50 per 60; \$4.50 per 100. Circular free. Satisfaction guaranteed. Mrs. Wesley Jones, Lancaster, Mo. 3-5

WHITE ROCKS EXCLUSIVELY. Prize winners at Indianapolis, Cincinnati and Hamilton. Line bred for 13 years. Females from 7 to 10 lbs. Males, 10 to 13 lbs. Eggs, \$2.50 per 15. Satisfaction guaranteed. H. L. Brown, Oxford, Ohio. 3-5

ASTLE'S QUALITY BUFF ROCKS. Eggs from fine choice pens of excellent layers containing my winners from Poley-Delventhal strains. Very reasonable prices. Write for free mating list. Milan C. Astle, Muncie, Ind. 3-5

WHITE PLYMOUTH ROCK eggs. Winter laying strain. Blue ribbon winners. Write for free booklet. C. L. Atkinson, Cynthia, Ky. 3-5

LAWSON'S CHAMPION BARRED ROCKS won best display at Somerset, Greensburg, Vandergrift, Leechburg, Scottsdale, and Latrobe, defeating first prize Pittsburgh winners at these shows. Stock and eggs for sale. H. W. Lawson, Latrobe, Pa. 3-5

ARISTOCRATS BARRED ROCKS—Eggs for hatching (Holterman Strain) from my best pen \$5.00, \$3.00 and \$1.50 per 15. Merlin Gunion, Tremont, Ill. 4

"RIVERDALE" PARTRIDGE Rocks. Birds for sale. Eggs from six fine pens. R. F. Schuler, Roann, Ind. 3-5

BRED TO LAY BARRED Plymouth Rocks. Eggs, \$1.00 per 15. J. P. Randell, Rogers Park, Illinois. 4

STANDARD WHITE ROCKS with snow-white feathers, golden legs, beautiful birds. Eggs, \$2 for 15, from high scoring pens. \$1.50 for 15, or \$7 per 100, from farm flock. A. Sutherland, Portland, Ind. 3-5

BARRED PLYMOUTH ROCKS. Bred-to-lay Parks strain. Eggs, \$1.50 for 15. Satisfaction guaranteed. R. S. Baker, Decatur, Ill. 3-5

BARRED PLYMOUTH ROCK eggs \$1.25 per 15, \$2.25 per 30, from a great laying strain. None better. Book your orders early. Mrs. John Cunningham, Box D, Volga, Iowa. 3-5

BARRED ROCKS, Ringlet's. Farm bred. Eggs, 15, \$1.00; 30, \$1.50; 100, \$3.50. E. P. Churchill, Allerton, Iowa. 3-5

QUALITY WHITE ROCKS. Won all five firsts at Dixon, Ill., show, January, 1913. Eggs and baby chicks. Free circular. A. G. Goldthorpe, Milledgeville, Ill. 3-5

26 EGGS \$1.00; \$3.50 per 100. Thompson's "Ringlet" strain of pure bred Barred Plymouth Rocks. Write for circular. Frank Moore, Madison, Ind. 3-7

BARRED ROCKS. Fluffy Ruffles strain again won clean sweep 1912. Eggs from silver cup winners \$5, others \$2 and \$1.50 setting. Fair View Yards, Frederick Coons, Greendale, N. Y. 3-5

WHITE ROCKS, Greystone strain. Champion sweepstakes cock, Rockford, 1913, heads pen. Eggs, \$2.00 15. T. Heffron, Rockford, Ill. 3-5

HIGH GRADE BARRED ROCKS. Bradley Bros. strain. Eggs, \$1 for 15, \$1.75 for 30, \$5 per hundred, \$8 for 200. Satisfaction guaranteed. Mrs. Henry E. Confer, Lena, Ill. 3-5

BARRED ROCK EGGS, \$3 per 15. Hiner, 230 Harmon Ave., Detroit, Mich. 3-4

BARRED ROCK EGGS, 15, \$1.50. Mrs. Warren Sadorus, Sadorus, Ill. 3-5

FANCY PARTRIDGE ROCKS three dollars per setting. Hilltop Farm, Wickliffe, Ohio. 3-5

CHOICE BARRED ROCKS, either mating, two dollars per setting. Utility Barred Rocks, seventy-five per hundred. Hilltop Farm, Wickliffe, Ohio. 3-5

BARRED ROCK, BRADLEY STRAIN. Eggs, \$2.00 15; incubator, \$4 per 100. G. O. Anderson, Rushville, Ind. 3-5

BUFF ROCK EGGS for settings. Prize winning stock. Mrs. Burnell Phillips, South Dayton, N. Y. 3-5

WHITE ROCKS, GREAT LAYERS. Eggs, 15 for \$1.00; 100, \$5.00; pens, \$2.00. Baby chicks, 15c. Flock headed by birds from Fishel's. Good eyes, 5-point comb, excellent shape. Mrs. Melvin Baird, R. 8, Red Oak, Iowa. 3-5

PARTRIDGE ROCKS. Peoples National Bank backs our business. G. Ruck & Co., R. 5, Wapakoneta, Ohio. 3-5

"LARGEST" BARRED ROCKS in the world. Fifteen years line-bred for weight and exhibition. Hens weigh 10 pounds. Matings contain Rochester, N. Y., first prize cockerel-mating and sons of this male. At Illinois State Show, 1913, won first prize exhibition cockerel, first prize pullet mating pen, second prize hen, cockerel-bred, on entry of 8 birds. All matings scored 90 to 93 by Schwab, Pierce, Russell, McCord, Holden. Largest exclusive Barred Rock farm in Illinois. Eggs, \$2.00 15, \$5.00 45, \$10.00 100. 11-12-1yr Luther J. Hall, Kenney, Ill. 3-5

MY RINGLET BARRED ROCKS won at great Fort Wayne show, 1913, 1st cockerel, \$20.00 cup for champion male Barred Rock, certificate on \$75.00 challenge cup for champion male of entire show, and 5th hen. Eggs, \$2.00 and \$5.00 per 15. Earl Wise, Corona, Ind. 3-5

PARTRIDGE PLYMOUTH ROCKS. Write, get my prices and guarantee on eggs for setting of these beautiful and utility birds. Wm. Subling, Kampsville, Ill. 4-5

"RINGLET" BARRED ROCKS win at the great St. Louis show, 1912. 1st cockerel, 2d pullet, 2d pullet mated pen. Eggs \$3.00 to \$5.00 per 15. Your inquiry cordially invited. E. B. Thompson strain direct. E. A. Webb, Ewing, Ill. 4-6

WHITE PLYMOUTH ROCKS—Farm raised, big boned; 3 10-lb. cks. at \$3 each—quick. Eggs at \$5. \$3 and \$2 per 15. Order today. E. A. Hayward, Cooksville, Ill. 4-5

BUFF ROCK EGGS for hatching, prize winners Peoria and Canton; \$3.00. Utility, \$1.50 for 15. W. P. Records, 1111 W. Nebraska Ave., Peoria, Ill. 4-6

COLUMBIAN ROCKS, AURORA STRAIN. 1st prize winners at New York and Buffalo. Eggs \$3.00 and \$5.00 per 15. Free mating list. Lew H. Bown, East Aurora, N. Y. 4-5

500 BARRED ROCK PULLETS for sale that will make splendid layers. Eggs for hatching in 100 or 1,000 lots. L. F. Thompson, Hope, Indiana. 4

COLUMBIAN PLYMOUTH ROCKS. Eggs for hatching, \$2.00 per 15. Good layers. Samuel L. McKabney, Kane, Ill. 4-5

ROYAL COLUMBIAN ROCKS, first Indianapolis winners. Mating list free. Satisfaction guaranteed. Martin C. Arnholt, R. 1, Columbus, Ind. 4-5

MATHEWS' WHITE PLYMOUTH ROCKS—winners, layers and payers. Stock and eggs for sale. Eggs, \$3.50, \$2.50 and \$1.50 per 15; flock eggs, \$6.00 per hundred. Mention American Poultry Journal. W. D. Mathews, Bowen, Ill. 3-5

PRIZE-WINNING BARRED ROCKS, bred to lay. Fifteen eggs \$1.50. W. O. Irby, Piggott, Ark. 3-5

EVENTUALLY YOU WILL want the best in White Plymouth Rocks. Why not buy them now? Mine will please you both in quality and price. Write today. E. A. Hayward, Cooksville, Ill. 3

NEW GOLDEN BARRED ROCKS. Buff or White. The money makers. Could not fill half the orders last season. For information and prices on eggs address G. S. Heinrich, Neenah, Wis. 3-5

"RINGLETS" OF SUPERIOR quality. Pens contain my 1911-12 winners. Eggs from special matings, \$2.50 per 15. Range flock, \$1 per 15. Sadie Sunderland, Jerseyville, Ill. 3-5

\$4.00 PER 100, \$1.00 per setting. Eggs from mammoth Barred Rocks. Weight to 16 lbs. Howard Irvin, Polo, Ill. 3-5

PARTRIDGE PLYMOUTH ROCKS. Premium stock. Eggs, two dollars for fifteen. Mrs. Florence Craun, Butler, Ind. 3-5

BARRED ROCKS (RINGLETS). First prize at Middletown, N. Y. Eggs, \$1.00 thirteen, \$6.00 hundred. Stock for sale. B. Rhodes, Port Jervis, N. Y. 3-5

RINGLET BARRED ROCKS. Winning first cock, first cockerel, second, third and fourth hen, second, third and fourth pullet, first pen and special prize for the best Barred Rock at the Green County Poultry Show, Monroe, Wis., December, 1912. Also first cock, third hen, fourth and fifth pullet, second pen at Rockford, Ill., January, 1913. Eggs from cockerel or pullet mating, \$2.50 per 15, \$4.00 per 30, \$7.00 for 60. H. P. Larson, Woodford, Wis. 3-5

GET THOSE LARGE BROWN EGGS from my prolific Barred Rocks. Pens headed by superb males, whose mother's record exceeds 200 eggs in pullet year. C. A. Newcomb, Celina, O. 3-5

"FISHEL" WHITE ROCKS direct. Eggs, \$3.00 per 15. Catalog free. Plummer McCullough, Mercer, Pa. 3-5

BUFF ROCK EGGS from fine utility birds. Average score about 92 points. \$1.50 per 15; \$7.00 per 100. J. A. Heiser, Fisher, Ill. 3-5

BENNETT'S BARRED ROCKS are winners. Eggs, \$1.50 per setting; \$5.00 per 100. Special matings, \$3.00 setting. Bradley Bros.' Strain baby chicks. Circular. R. M. Bennett, Box 591, South Charleston, Ohio. 3-5



## PLYMOUTH ROCKS.

**PARKS' 200 EGG BARRED ROCKS.** Pens headed by sons of 217, 238, 242 eggs hens. Hens with sworn records, 217, 225, 237, 238, 246, 247 eggs. 15 eggs, \$2.00. Circular free. Frederick Matfeson, 3808 Woodley Lane, Washington, D. C. 4

**COCKEREL BRED. BARRED ROCKS.** Bradley, 1st prize winners this year. Scoring 92 to 93 1/4, \$5 per 12. Range stock same blood, \$2 per 15 eggs. Write J. W. Zufall, Robertson, Iowa. 4-5

**PARTRIDGE ROCKS.** Bird Bros. strain. Choice stock and eggs for sale. Harry O. Kimble, Mishawaka, Ind. 4-5

**PARTRIDGE PLYMOUTH ROCK** eggs, \$1.00 for 15. Noftzger strain, extra large beauties. First prize pullet Jacksonville, Ill. Great layers. Order early. Jersey Poultry Yards, Jerseyville, Ill. 4

**POLEY BUFFS**—Chicago winners. Eggs, \$3. Guaranteed 100% fertile. Pedigree, mating circular. W. R. Hobbie, Bank Building, Kankakee, Ill. 12-12-12

**BARRED, WHITE, BUFF ROCKS,** choice stock reasonable. Eggs, \$2.00 per 15, \$8.00 per 100. August W. Schroeder, St. Peter, Ill. 4

**WHITE ROCK EGGS** and chicks. Direct Fishel blood, 15 eggs, \$3; 50, \$5. Will replace infertile eggs. Chicks, 25, \$5.00; 50, \$9.00; safe delivery or replace. Everything we sell guaranteed first quality or money back. \$10 orders prepaid. Fairview Training School, Frenchtown, N. J. 4-6

**COLUMBIAN ROCK.** "Allen's Empire Strain." Clean sweep, Madison Square and Pittsburg; winners at Boston, Buffalo, Philadelphia. Mating list out. S. C. Allen, Rural Box 6, Orchard Park, N. Y. 3-5

**THOROUGHbred BARRED ROCKS.** Standard shape and color. Prize winners, and guaranteed heavy laying strain. Bred from America's best. Choice exhibition or utility stock very reasonable. Settings, \$2.50, parcel post prepaid, anywhere, safely. Kenilworth Yards, Holyoke, Mass. 2-4

**WOODSIDE PARTRIDGE ROCKS.** America's best strains. Blue ribbon winners at Buffalo, Rochester, Geneva. Eggs, \$3.00 per 15. Woodside Farm, Middleport, N. Y. 3-5

**PARTRIDGE ROCKS OF QUALITY,** 15 eggs \$2.50. Cockerels cheap. J. A. Stormont, Salem, Ill. 3-5

**WHITE ROCK COCKERELS,** Fishel's, Barred Thompson's, \$3. Eggs, 15, \$1; 100, \$5. A. R. Lee, Sawyer, Mich. 3-5

**"RINGLET" BARRED ROCK** eggs. Both matings, 15, \$1.50; 30, \$2.50. Incubator eggs, 100, \$5.00. Mrs. R. M. Parker, Kenney, Ill. 3-5

**BARRED ROCKS.** E. B. Thompson strain direct. Eggs from pullet and cockerel matings, \$3.50 per 15, \$6.00 per 30. My winnings in January, 1912, at Madison: First, 2nd, 4th, 5th pullet; 1st, 3rd hen; 3rd cock; 1st pullet-bred pen; 3rd cockerel-bred pen; 1st exhibition pen; special on shape pullet; special on color hen. Utility eggs, \$5.00 100. Mrs. E. A. Oliver, Belleville, Wis. 3-5

**RINGLET BARRED ROCKS.** E. B. Thompson's strain direct. Vigorous, farm-range stock. Eggs, well packed, \$1.00 for 15; \$4.00 per hundred. Ade Stevens, De Pauw, Ind. 3-5

**AM NOW BOOKING ORDERS** for eggs from bred-to-lay Barred Rocks. Eggs from mature matings, nice, big, healthy, well marked, free range, bred for quality and utility. Write for prices. Mrs. J. W. Bugg, Assumption, Ill. 3-5

**WHITE ROCK** eggs from pens direct from Fishel, \$2 setting; thirty eggs, \$3; fifty eggs, \$5. Sunflower Poultry Yards, Grafton, Ill. 3-4

**BARRED ROCKS.** The leading winners at Pittsburgh, Pa., the last 8 years. Bradley's and Latham's strains. Pure stock for sale. Send for my mating list. Satisfaction guaranteed. H. L. Fike, Box 4, Meyersdale, Pa. 3-4

**EGGS FROM PURE BRED** Plymouth Rocks, Ringlet strain, at \$1.00 for 13. William M. Doig, Walton, N. Y. 3-5

**GOLDEN BELL BUFF ROCKS.** Handsome booklet with photos from life free. Baby chicks and eggs reasonable. H. L. Ragsdale, Centralia, Ill. 3-5

**IMPERIAL "RINGLET" BARRED ROCKS.** Mated by expert judge. Special pens, \$1.50, \$3.00, \$5.00 per 15 eggs. Utility, \$5.00 100. Fertility guaranteed. Maple Grove Farm, Route 9, Decatur, Ill. 3-5

**SNOOK'S WHITE PLYMOUTH ROCKS.** Eggs from sturdy stock on free range, \$1.50 per 15, \$7.50 per hundred. Infertile eggs replaced. Satisfaction guaranteed. D. W. Snook, Lewistown, Md. 3-5

**WHITE ROCKS**—Some good stock for sale, and eggs now ready from choice birds. Bessie Bush, La Hogue, Ill. 3-5

**FISHEL WHITE ROCKS.** Eggs, \$2.00 per 15. Geo. Ashdown, 3859 Park Ave., Chicago. 3-5

**FISHEL WHITE ROCK** Eggs. Fancy pens, \$3.00 per 15; utility, \$1.50. Mating list free. T. F. Richardson, Evanston, Ill. 4-6

**RINGLET BARRED ROCKS**—Pullets and cockerels, \$2; trios, \$5. Dr. Butts, Norwood Park, Ill. 4

**SPLENDID WHITE ROCKS.** Breeders, eggs, chicks; prompt delivery. Catalogue. B. B. Hatchery, Chatham, N. Y. 4

**PARTRIDGE PLYMOUTH ROCK** cockerels for sale, \$2, \$3, \$5, \$10 each. Eggs, \$1.50, \$2.50, \$5, \$10 per setting of 15. Orders will have prompt and careful attention. G. M. Spurgeon, Worden, Ill. 4-6

**"RINGLET" BARRED PLYMOUTH ROCKS.** Having purchased the good will and the most of Ringlet Hill Poultry Farm's Best Matings I am ready to furnish you eggs from very best stock to rear your Blue Ribbon winners. Mrs. J. T. Powell, R. F. D. No. 2, Gardner, Ill. 3-5

**"RINGLET" BARRED ROCKS**—Exhibition quality. Cockerels and pullet mating. Cocks, hens, cockerels, pullets, \$2.00 to \$5.00 each. Mated breeding pens, 5 birds, \$10.00 to \$16.00. 5 choice utility female and male, \$10.00. Sold on approval. Circulars. John Northon, Clare, Mich. 3-4

**"RIVERDALE" PARTRIDGE ROCKS** stock for sale. Eggs from six choice pens. R. F. Schuler, Roann, Ind. 3-5

**BARRED PLYMOUTH ROCK** eggs for hatching \$2 per 15, cockerel or pullet mating. G. L. Hart, R. 1, Princeton, Ill. 3-5

**BRADLEY'S BARRED ROCK EGGS.** Pens contain prize winners. Setting, \$3.00, \$5.00. Cockerels, \$3 up. Mating list free. E. G. Butten, Greenup, Ill. 3-5

**BARRED PLYMOUTH ROCKS.** Bradley Bros.' and Latham's best pure, winning 14 firsts at Bethlehem, Easton and Stroudsburg, Pa., last season, 12 firsts at Allentown, Bethlehem, Easton, Pa., also Trenton, N. J. Stock and eggs for sale. Circular. Castner & Dundas, Phillipsburg, N. J. 3-5

**WHITE PLYMOUTH ROCK** Hatching Eggs. "White Queen's" year record is 257 eggs. Ninety in 92 successive days. Our breeders average 180 eggs. Send stamp for handsome circular. R. C. Caldwell, Box 1063, Lyndon, Ross Co., Ohio. 3-5

**RINGLET ROCKS.** E. B. Thompson strain. Eggs, 15, \$3; 50, \$5; 100, \$8. B. H. Gross, Whiting, Iowa. 3-5

**FISHEL WHITE ROCKS.** Hatching eggs from selected two-year-old stock, \$1.00 for 15; \$6.00 per hundred. R. B. Evans, Oxford, Ind. 3-5

**WHITE ROCKS**—Pure Owen strain. Sweepstakes pen headed by "Woodrow Wilson," champion cock, first four pullets Charleston, West Virginia. Also winners Ashland, Kentucky. Eggs, three dollars for fifteen. J. A. Willis, Coalburgh, W. Va. Member White Rock Club. 3-5

**PARTRIDGE ROCK EGGS.** From large, vigorous stock, \$2.00 for 15, \$3.00 30. Hez Kinter, Dillsburg, Pa. 3-5

**BUFF ROCKS**—Farm reared, grand matings, stock reasonable. Geo. Bartlett & Son, Seymour, Ind. 3-5

**BUFF ROCK EGGS.** Write for free mating list. Vere L. Ringle, Box 124C, Atlantic, Iowa. 3-5

**RINGLET BARRED ROCKS.** Eggs from special exhibition matings, \$3 and \$5 per 15. Utility, 15, \$1.50; 45, \$3; 100, \$6. Write for mating list and show winnings. Mrs. J. M. Kemp, Kenney, Ill. 3-5

**HEDGES' PEDIGREED WHITE ROCKS.** Winners. Layers. Egg records to 255. Eggs, \$2.00, \$3.00, \$5.00, \$10.00 per 15. Mating list free. Miss Alice M. Hedges, Pana, Ill. 3-5

**GET YOUR BARRED ROCK** eggs from the Standard Poultry Farm, Boone, Iowa, and you will get quality. Eggs, fifteen, \$1.00; hundred, \$5.00. 3-5

**HIGH CLASS WHITE PLYMOUTH ROCKS.** Fishel strain; 15 eggs \$1.00, 100 eggs \$5.00. George Lehmkuhl, Box 182, New Bremen, Ohio. 3-5

**PARTRIDGE ROCK EGGS.** Stock sired by Madison Square winners. Catalogue. Mart Rahn, R. 20, Clarinda, Iowa. 3-5

**TAYLOR'S PRIZE WINNING** Partridge Plymouth Rocks. List and eggs now ready. Perkins strain. Joy B. Taylor, Cambridge, Ill. 3-4

**FOR SALE**—Barred Rock Ringlet eggs, cockerel mating \$1.50 per 15; pullet mating, \$1.50 per 15; utility, \$1.00 per 15; \$5.00 per 100. Mrs. Mabel Morse, Monroe City, Mo. 3-5

**GOLDEN BUFF, SILVER PENCILED** and Columbian Plymouth Rocks. Champions of America. First prize winners wherever shown, including the great Chicago, Buffalo, Boston, St. Louis, and Joliet shows. I have purchased the entire stock of P. C. Jungels. Write for catalogue and mating list. Miss Cecelia Jungels, Box A, Lemont, Ill. 2-4

**PARTRIDGE AND BARRED ROCKS.** My birds are from dollar each eggs. Write for special offer on eggs for hatching. L. G. Torrey, Leslie, Mich. 4

**WHITE ROCKS, FISHEL DIRECT**—Eggs, 100, \$5.00 pens \$1.50, \$3.00 fifteen. John Schaffstein, North State, Evansville, Ind. 4-5

**WHITE ROCK SALE EXTRAORDINARY.** Birds scoring 90 to 94 1/2, excellent layers, Fishel strain. 15 eggs, \$2. Trio, nice birds, \$5. Cockerels, \$3. Have 1 pen will sell for fifty dollars; another pen for twenty dollars. All worth twice the price asked. M. F. McCormick, North Judson, Indiana. 4

**WHITE ROCKS.** Heavy laying stock, \$1.50 per setting. Theodore Poole, Syracuse, N. Y. 4-5

**PARTRIDGE PLYMOUTH ROCKS.** None better anywhere. Eggs, 15, \$3.00; 30, \$5.00. P. W. Carpenter, Ypsilanti, Mich. 2-4

**PARK'S STRAIN BARRED ROCKS.** Eggs guaranteed 85%, 15, \$1; 100, \$6. Satisfaction guaranteed. Mackey Farms, Gilboa, N. Y. 2-4

**BARRED ROCK EGGS.** \$1.50 per 15; \$2.50 per 30. First cockerel Bushnell, score 92 1/4. Edwin Laux, Bushnell, Ill. 2-4

**WORLD'S BEST STRAIN BUFF ROCKS!** Five splendid matings. Eggs, \$3 per 15. Fertility guaranteed. Mating list free. Frank Kramer, Fort Atkinson, Wis. 2-5

**"FISHEL" WHITE ROCKS.** Eggs, \$1.00 per setting, \$5.00 per 100. Mrs. Gilbert Luyster, R. 4, Franklin, Ind. 2-4

**COLUMBIAN PLYMOUTH ROCKS** direct from world's best. Eggs from \$1.50 to \$3.00. Harper Mayberry, Dillsburg, Pa. 2-4

**RINGLET BARRED ROCKS** exclusively. Winners at the big Milwaukee poultry show, first, second and pen prize. Choice breeding cockerels and exhibition birds for sale. Eggs, \$3.00 per 15, from best pen. All stock guaranteed as represented; if not, return at my expense. Ed Martin, Route 25, Oconomowoc, Wis. 2-4

**WHITE ROCK** free booklet of Point o' Pines Poultry Farm, Reserve, Wisconsin, contains more than a page advertisement could explain. Convincing facts and valuable breeding suggestions about the finest "Northern Bred" high quality stock and eggs, at low prices and free egg delivery. Get it now. 2-4

**BARRED ROCKS,** prize winning Cockerel strain. Day-old chicks, breeding stock, hatching eggs for sale. Karl B. Seeds, Circleville, Ohio. 2-4

**WHITE ROCK WINNERS** for sale. Eggs. Send for Folder J. Hoch & Frederick, Chambersburg, Pa. 2-4

**WHITE PLYMOUTH ROCKS.** Eggs for hatching, from prize matings. Young stock to spare. Write for circular. Martin Hanson, Goshen, Ind. 2-4

**VOYLES' IDEAL BARRED ROCKS** win wherever shown, including Kentucky State Fair and first pen Louisville Poultry Show, January, 1912. Eight yards. Cockerel or pullet matings. Prices right. Farm run, \$4.00 per 100 eggs. A few choice cockerels left. William R. Voyles, Ramsey, Ind. 2-4

**BARRED PLYMOUTH ROCKS.** Pure bred. E. B. Thompson's Ringlet strain, 26 eggs \$1.00, \$3.50 per 100. Also a few choice Ringlet cockerels at reasonable prices. Ben Custer, Route 9, Madison, Ind. 2-4

**DUDLEY'S WHITE ROCKS** always win. Catalogue free. 1715F Seventh Street, Des Moines, Iowa. 2-4

**WHITE AND BARRED** Rock eggs for hatching. Any number. Burket's Poultry Farm, Route 1, Frenchtown, N. J. 2-4

**"FISHEL" WHITE ROCKS.** Bred from prize winners. Trapped stock. Great layers. Eggs \$1.50 per 15. Roselawn Poultry Yards, South Bend, Ind. 2-4

**BUFF ROCKS**—POLEY'S STRAIN. Eggs from extra choice yearling breeders, line-bred from first prize winners at Madison Square Garden, \$2.00 per 15, \$6.00 per 50, postage paid. Twelve out of 15 guaranteed fertile, or clear eggs replaced free. Circular free. Party & Perrier, Bonnets Mill, Mo. 2-4

**SOUTHLAND'S CHAMPION** White Plymouth Rocks. Winners of all specials and more firsts and seconds than all competitors combined at Atlanta, Ga., Little Rock, Ark., Memphis, Tenn., etc. Guarantee to please you. Martin F. Schultes, Box 542, Bartlett, Tenn. 2-4

**COLUMBIAN ROCKS.** Eggs from pens containing my Chicago winners, \$3 per 15, \$5 per 30. W. R. Cream, Butler, Ind. 2-4

**CHAMPION COLUMBIAN ROCKS.** Bred to win and lay. Eggs prepaid. Prices reasonable. George Clotz, Galt, Okla. 2-4

**PARTRIDGE PLYMOUTH ROCKS** of quality. Greatest money making fowl today. 15 eggs, \$3.00; 30, \$5.00. You can pay more money, but cannot get more quality. Will L. Clark, Sullivan, Ohio. 2-11



## PLYMOUTH ROCKS.

**PARTRIDGE ROCKS** of the best strains. Eggs from my prize winners, \$3 per 15, \$5 per 30. You cannot buy better for twice the money. C. A. Short, Alpena, Mich. 2-4

**PARTRIDGE ROCKS**—Bird Bros. & Hageman's strains. Trios, \$9 to \$15; pens, \$15 to \$18; eggs, \$3 for 15. Satisfaction guaranteed. H. P. Smith, Piqua, O. 11-4

**BARRED PLYMOUTH ROCKS** of highest quality. Winners at Buffalo, Washington and at number places in Virginia. Stock and eggs for sale. Mating slip free. Charles C. Wine, Mount Sidney, Virginia. 2-4

**COLUMBIAN PLYMOUTH ROCKS.** Eggs from seven pens of lusty birds backed by an enviable show record. Illustrated circular. G. W. Garlock, Fort Atkinson, Wis. 2-4

**RINGLET BARRED ROCK** eggs from large, fully developed and nicely barred stock. Settling \$2.00, 50 \$4.00. Walter Irven, Brookville, Ill. 2-4

**HIGH CLASS WHITE ROCKS.** Fishel strain direct. Wonderful layers, 15 eggs \$1.00, 50 \$2.00, 100 \$5.00, 200 \$10. Strictly fresh laid. Henry Heitkamp, New Bremen, Ohio. 2-4

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**WILDWOOD FARM Single Comb White Leghorns**. Won prizes for best male and best female in a class of 119. Stock for sale. Eggs for hatching, \$1.50 per 15 delivered. Wildwood Farm, J. F. Potts, Box 532, Elkins, W. Va. 2-4

**SINGLE COMB WHITE LEGHORN EGGS** from 196-egg strain—blue-white quilled, scoring 96%, large sized, winners Columbus, Toledo, Cleveland, Pittsburgh. George W. Wolfrum, Carey, Ohio. 2-4

**NELSON'S ROSE COMB White Leghorns** win firsts. Sire of 1st, 2nd cockerel and pullet last Chicago show heads my best pen. For winners write N. S. Nelson, 915 Main St., Kansas City, Mo. 2-4

**SINGLE COMB WHITE LEGHORNS**—Large, vigorous, 200-egg strain; 15 eggs \$1.00, 100 \$5.00. From 10 matings of winning show birds, \$5.00 per 15. Satisfaction guaranteed. Le Roy Sutton, Morenci, Mich. 2-4

**ROSE COMB BROWN and White Leghorns**. Stock and eggs. None better. Satisfaction guaranteed. E. B. Cole, Sanquoit, N. Y. 2-4

**S. C. WHITE LEGHORNS**—Winners at leading shows for 29 years. Choice stock for sale. Eggs in season. Write your wants. J. H. Kollmeyer, Quincy Heights Poultry Farm, Quincy, Ill. 2-4

**YOUNG'S STRAIN WHITE LEGHORNS**. Ten grand pens of line-bred trapnested pedigreed stock. Special prices on incubator eggs. Mistletoe Poultry Farm, Greenville, Pa. 2-4

**SINGLE COMB WHITE LEGHORNS**. Large, great winter layers. In perfect health. Males from 200 trapnested egg hens; chicks, \$12.00 per 100; \$3.75 per 25. Eggs, \$6.00 per 100; \$1.25 per 15. George H. Brinker, Village Poultry Yards, Lyons, N. Y. 2-4



## LEGHORNS.

**SINGLE COMB WHITE LEGHORN** eggs. 15 eggs \$1.00, 100 eggs \$5.00. Shenandoah Valley Poultry Yard, Lebanon Church, Shenandoah County, Virginia. 2-4

**SINGLE COMB WHITE LEGHORNS.** Will book orders for hatching eggs and baby chicks of Young-Gerber-Rancocas strains. Karl W. Vogelgesang, 827 N. Walnut St., Canton, Ohio. 2-4

**SINGLE COMB BUFF LEGHORNS.** The best winter layers that money can buy. Eggs, \$2.00 a setting, fertility guaranteed. A few cockerels, \$5.00 each. Herbert Tompkins, Box 5, Peekskill, N. Y. 2-4

**SINGLE COMB WHITE LEGHORNS.** Young strain. Eggs, \$2.00. Crescent Poultry Farm, Champaign, Ill. 2-4

**YOUR OPPORTUNITY—Clarion S. C. White Leghorns,** the laying kind, setting \$1.00. Satisfaction guaranteed. W. Foss Littler, Dunkirk, Ind. 2-4

**SINGLE COMB BROWN LEGHORN** cockerels, pullets, hens; high grade range raised, big vigorous birds from proven strain of layers. Mrs. Charles Kelly, Carwood, Ind. 1-4

**ROSE COMB WHITE LEGHORNS.** Blue ribbon winners. Great Chicago, 1912, Illinois State, 1913, shows. If you want the best write me. Catalogue free. George A. Rigler, Bentonport, Iowa. 2-4

**ROSE COMB WHITE LEGHORNS** exclusively. Fifteen eggs \$1.00. Ella Ament, New Albany, Pa. 2-4

**SINGLE COMB BROWN LEGHORNS.** Stock and eggs. Dave Gladfield, R. 34, Peoria, Ill. 2-4

**SINGLE COMB WHITE LEGHORN** eggs for hatching 75c per 15, \$4.00 per 100. Bred for size and egg production. R. H. Eichhorst, Downers Grove, Ill. 2-4

**ROSE COMB Buff Leghorns.** Thirteen eggs \$1.00. Leonard A. Waltman, New Albany, Pa. 2-4

**PRIZE WINNING S. C. White Leghorns.** Wyckoff strain. Famous winter layers. Eggs, \$5.00 per 100, \$1.50 per 15. Mrs. L. M. Davis, Marengo, Ind. 2-4

**HATCHING EGGS** from free range, thoroughbred S. C. White Leghorns. Prolific layers of large, fancy white eggs, which I guarantee to be right. Prices right. James E. Eastman, Rome, Pa. 2-4

**EGGS FOR HATCHING** and baby chicks from Cyphers. Bred-to-lay S. C. White Leghorns. Fairfield Farm, Hinsdale, Ill. 2-4

**EGGS FOR HATCHING** from Wyckoff strain Single Comb White Leghorns. \$1 per setting from strong, healthy stock. Best blood lines. Satisfaction guaranteed. Order direct from James F. Briggs, Dighton, Mass. 2-4

**SINGLE COMB WHITE LEGHORNS,** farm range. Eggs, \$3 per 100. Mrs. Ben Baskerville, "Hillcroft," Montrose, Mo. 2-4

**COLGANS VICTOR STRAIN** Single Comb Buff Leghorns. Low tails, soft even color, always winners. Address O. B. Colgan, Defiance, Ohio. 2-4

**SINGLE COMB BROWN LEGHORNS,** bred for size, eggs and to win. Eggs, best special matings, 15, \$1.00; 50, \$2.50; 100, \$4.00. Mrs. John Dietrich, Borden, Ind. 2-5

**SINGLE COMB WHITE LEGHORNS,** great layers. Eggs, \$5 per hundred. Baby chicks. E. T. Keller, R. D. 6, Kent, Ohio. 2-4

**HIGH CLASS SINGLE COMB White Leghorns** (Young's direct). Splendid layers; 15 eggs, \$1.00; 50, \$3.00; 100, \$5.00; 200, \$10.00. Strictly fresh layed. Henry Heitkamp, New Bremen, Ohio. 2-4

**FISK'S ROSE COMB BUFF LEGHORNS** are Madison Square winners; great layers; catalogue free. Howard J. Fisk, Box A, Falconer, N. Y. 10-12-1 yr. 2-4

**WYCKOFF—S. C. WHITE LEGHORNS.** Special breeding cockerels. Order eggs now, delivery when desired. E. R. Mosser, Hendricks, W. Va. 1-6

**S. C. W. LEGHORNS—Hatching eggs,** fertility guaranteed. Day-old chicks, born with the "hustle" in them. Safe delivery guaranteed. Special sale of mature cockerels, \$2.00 ea. Mount Pleasant Farm, Mount Peconic, Pa. 12-5

## WYANDOTTES.

**SILVER WYANDOTTES** exclusively. Birds bred from prize-winning stock. Eggs from first and second pens, \$1.50 per 15. Farm range, \$1.00 per 15, or \$6.00 per 100. Spring Ridge Farm, Cassopolis, Mich., Cass Co., R. F. D. 5, Wm. S. Parish, Manager. 3-5

**WHITE WYANDOTTES.** Five select pens. Royal strain. Eggs, \$2.00 per 15; \$5.00 per 100. A few hens, pullets and choice cockerels to spare. Send for mating list. Ten years' pure breeding. F. P. Martin & Sons, Logan, Ohio. 3-5

## WYANDOTTES.

**SCHULTZ'S BUFF WYANDOTTES—Winners** at Hagerstown, Williamsport, Toledo, Cleveland. Egg circular. Stock. W. F. Schultz, Ravenna, Ohio. 4

**WHITE WYANDOTTE** eggs for hatching. Will Cragg, Jr., Coffeen, Ill. 4-5

**WHITE WYANDOTTE** 95-point scored males. Eggs, \$1.25 per 15. John F. Quails, Temple Hill, Ill. 4-6

**WHITE WYANDOTTES—Two** loving cups, 16 firsts at 4 shows; eggs from four prize pens, 20c each; utility pens, \$1.00 15, \$5.00 100. Breeders score 92 to 96½. Ezra Phillips, Ewing, Ill. 4-5

**COLUMBIAN WYANDOTTES.** High class birds carefully mated to produce best results. Best pens, \$3 per 15; other good pens, \$2, with reasonable guarantee. Geo. H. Damon, Reading, Mass. 4

**SILVER WYANDOTTES EXCLUSIVELY—Silver** cup winners, choice eggs from our Decatur and Illinois state show winners. Helfrich Brothers, Hammond, Ill. 4

**WHITE WYANDOTTES—Very** best of stock and eggs. Elmer Gimlin, Taylorville, Ill. 4-6

**FISHEL STRAIN WHITE WYANDOTTE** eggs, \$2.50, \$3.50, \$5.00 per 15. Detroit prize pens, daughters of 240-egg hen, to \$20. Fishel bird his 8½-pound cockerels, 9 and 10-pound cocks mating. Stock. Write for mating list. A. J. Smith, 528 Crawford, Detroit, Mich. 4

**15 EGGS PURE DUSTON** White Wyandottes, \$1.25. Mary Young, Mexico, N. Y. 4

**SILVER WYANDOTTES.** Choice cockerels and pullets. Resemble breed from my Chicago and Kansas City winners. Eggs from these winners, \$2.00 per 15, \$8.00 per 100. Mrs. Louise Schroeder, St. Peter, Ill. 3-5

**PARTRIDGE WYANDOTTES—Part** Wolverine strain. Eggs, \$1.00 per 15; \$6.00 per 100. Satisfaction guaranteed. A. L. Spohn, Shelbyville, Ind. 4

**THE WORLD'S BEST UTILITY BREED** Silver Laced Wyandottes. Eggs \$1.00 per 15 from record stock. E. W. Card, Oneonta, N. Y. 3-5

**GOLDEN WYANDOTTES.** EGGS from prize-winning stock. Pen No. 1, \$3.00 per 15, or \$5.00 per 30. Send for prices larger lots. Jos. W. Spiekermeier, West Point, R. 4, Iowa. 3-5

**SILVER WYANDOTTES—Best** blood lines in America. Eggs from my best pen, per setting Five Dollars. Elmer Skinner, Byron Center, Mich. 3-5

**WHITE WYANDOTTES—"THE KIND** That Lay." An established line of heavy layers, making certified high records at Storrs, Conn., and Mt. Grove, Mo.—competition open to world. Eggs and chicks. Send for literature. W. B. Candee, De Witt, N. Y. 3-6

**PARTRIDGE WYANDOTTE** EGGS for hatching, \$2.00 per 15; \$3.75 per 30. Bred from World's Fair winners. Herman Timm, Chebanse, Ill. 3-5

**BLUE RIBBON SILVER WYANDOTTES—**Winners at Milwaukee and Waukesha shows. Eggs from pen including these birds, \$3 per fifteen; \$1.50 per fifteen from second pen. Cockerels and pullets for sale. E. Blenkinsop, West Allis, Wis. 3-5

**WHITE WYANDOTTES,** fancy and utility. 15 eggs \$2.00. L. D. Rockefeller, Bunker Hill, Ill. 3-5

**WHITE WYANDOTTES EGGS.** Write me your wants. Orlo Sheehan, Ludlow, Ill. 3-5

**PARTRIDGE WYANDOTTES.** Winners. Send for mating list, which gives season's winnings. Eggs. A. G. Thompson, Franklin, N. H. 3-5

**WHITE WYANDOTTE** EGGS for sale, from prize winners and winter layers. Prices right. Circular free. Od. A. Burt, Albany, Wis. 3-5

**ROBERTS' PARTRIDGE WYANDOTTES—I** always win at the big shows. Stock for sale. I am looking orders now for eggs. My young stock is the best I ever raised. G. A. Roberts, Warren, Ind. 3-5

**PARTRIDGE WYANDOTTES—Silver** Cup winners. Stock scoring 91½ to 94. Eggs, three to five dollars per fifteen. Ivan Barnes, Laurence, Mich. 3-5

**WHITE WYANDOTTE** EGGS, \$5.00 100. March. Cheaper later. Russell Simpson, Palmer, Ill. 3-5

**SILVER LACED WYANDOTTES** Exclusively—eighteenth year. Clear black and white open lacing. Eggs from prize matings, \$1.50 per 15; \$2.50 per 30. Satisfaction guaranteed. A. D. Long, Blooming Glen, Pa. 3-5

**SILVER WYANDOTTES EXCLUSIVELY** for 30 years. Eggs from seven grand matings, including all my two years' prize winners at Easton, Allentown, Pa., Philadelphia, and Madison Square Garden shows. Send for mating list. M. H. Ledy, R. F. D. 2, Souderton, Pa. 3-5

**WHITE WYANDOTTES—"Fisbel** and Duston" Strains. Eggs, \$2.00 for 15. Stock for sale. M. F. Redford, Burkeville, Va. 4-5

**COLUMBIAN WYANDOTTES—Winners** first pullet first pen, best display, eight specials, silver cup at Boston show, 1913. All infertile eggs replaced free. Illustrated circular. Harwood Farm, Box C, Littleton, Mass. 4-6

**WHITE, SILVER, BUFF WYANDOTTES.** Choice stock reasonable. Eggs, \$2.00 per 15, \$8.00 per 100. August W. Schroeder, St. Peter, Ill. 4

**PETERSON'S SUPERB WHITE WYANDOTTES—Great** layers, great prize winners. Eggs, \$2 to \$5 per setting. Wm. A. Peterson, Box A, Galesburg, Ill. 4-6

**EGGS FROM WHITE Wyandottes** and Barred Rocks now. Ray M. Silkey, Mt. Pulaski, Ill. 4

**BENNETT'S WHITE WYANDOTTES.** 1st cock, 2nd pen Rockford. Eggs, one-fifty setting, eight dollars hundred. Some fine pullets or hens cheap. J. B. Bennett, Belvidere, Ill. 4-6

**WHITE WYANDOTTES,** Duston strain. Pullets and hens, \$1.50 each. Lawn Poultry Yards, Poneto, Ind. 4

**PARTRIDGE WYANDOTTES.** EXHIBITION stock. Eggs, \$2.00 for fifteen. Smith Realty Company, Box 487, East St. Louis, Ill. 3-5

**FIFTEEN PARTRIDGE WYANDOTTE** EGGS one dollar. H. B. Scranage, R. 4, Grafton, West Virginia. 3-5

**WHITE WYANDOTTES A SPECIALTY** for 10 years. Won eight ribbons on eight entries at Marion show, Nov., 1912. True bred stock of high quality. Write C. S. Burnside, Meeker, Ohio. 3-5

**COLUMBIAN WYANDOTTES—Prize** winners, great layers; reasonable prices. Send for mating list. Hobarts' Columbians, Box A, Pemberville, Ohio. 3-5

**SILVER WYANDOTTES.** Choice cockerels and pullets. Resemble breed from my Chicago and Kansas City winners. Eggs from these winners, \$2.00 per 15, \$8.00 per 100. Mrs. Louise Schroeder, St. Peter, Ill. 3-4

**WHITE WYANDOTTES EXCLUSIVELY.** Foundation of my stock direct from Fishel, Owen Farms and Cyphers Incubator Co. Bred to standard, extraordinary heavy winter layers. Prices of eggs, prepaid, \$2.50 per 15, \$4.50 per 30, \$6.00 per 45. Hatch guaranteed. W. T. Noland, Specialist Breeder, Box 546, Dewey, Okla. 3-5

**WHITE WYANDOTTES, DUSTON** Strain direct. Fine layers and blue ribbon winners. Eggs, \$1.50 for 15. Special matings, \$3.00 for 15. Satisfaction guaranteed. Geo. Reiling, Burnt Prairie, Ill. 3-5

**COLUMBIAN WYANDOTTES EXCLUSIVELY.** Vigorous, blocky, bay eyes; great layers. Ft. Wayne winners. Eggs, \$1 15, \$3 50. Columbian Wyandotte Yards, Poneto, Ind. 3-5

**COLUMBIAN WYANDOTTES.** Eggs, \$2 per 15. Mrs. L. B. Higgins, Salem, Ind. 3-5

**PARTRIDGE WYANDOTTES.** Eggs from choice pen, \$1.50 per 15. Stock for sale. Fred M. Haas, Machias, N. Y. 3-5

**WHITE WYANDOTTES—RUDY'S PERFECTION** Strain. Direct from noted prize winners. One grand \$25 Rudy cock bird heading an exhibition pen; \$3 per 15. Two other superb pens headed by sons of Pen No. 1. \$1.50 per 15, \$7.00 per 100. W. J. Carey, Winnetka, Ill. 3-5

**GOLDEN WYANDOTTES** exclusively. Winners wherever exhibited. Cockerels and eggs for sale. F. C. Liles, Collins, Ohio. 3-5

**WHITE WYANDOTTES EXCLUSIVELY.** Scores for 92½ to 95. Chalk-white chick will please; \$4.00 per 100; \$1.50 per 15. Mrs. F. O. Elliot, Kent, Iowa. 3-5

**PARTRIDGE WYANDOTTES, FARM** RAISED. Premier Strain, prize winners. Eggs \$5.00, \$3.00 and \$1.50 per 15. Fifteen fine cockerels, \$10.00, \$5.00 and \$3.00 each. Donna Hanly, Mechanicsburg, Ohio. 3-5

**DOOLEY'S STRAIN BUFF WYANDOTTE** cockerels, from prize winning stock, \$1.00 to \$5.00. Eggs, \$1.00 per 15. Walter Beam, Waynetown, Ind. 3-4

**WHITE WYANDOTTES BRED** for nine years to win and lay. Fifteen eggs, \$1.50; 50, \$4.00; 100, \$7.00. Edward Yetka, R. F. D. 1, Parnassus, Pa. 3-5

**BUFF WYANDOTTES** (Mattison & Toel Strain). Large, rich buff. Blue ribbon winners. Two pens, \$3.00 and \$2.00 per 15. Albert Walters, Sycamore, Ill. 3-5

**FOR SALE—400 WHITE** Wyandottes. Springfield winners. Eggs and chicks. Mating list free. Nathan Hill, Dixon, Ill. 3-5

**COLUMBIAN WYANDOTTES.** Eggs, \$2.00 per 15. Stock all sold. Won two silver cups, also specials and other prizes this season. Arthur Merrell, Solon Mills, Illinois. 3-4



## WYANDOTTES.

**WHITE WYANDOTTES**—Blue ribbon winners. Cockerels and eggs. Emmett Hinds, Salem, Ind. 3-5

**WHITE WYANDOTTE EGGS** for hatching. Andrews Strain. \$2.00 setting. W. S. Whitmore, Dunstable, Mass. 3-5

**SILVER AND WHITE WYANDOTTES.** Big winners everywhere. Don't fail to send for my mating list and winnings. Quality the best and prices reasonable. Peter Graff 3rd, Box D, Worthington, Pa. 3-5

**WHITE WYANDOTTES.** World's best strain. Pens mated to produce results. Eggs, \$2.00 per 15 and up. Claude O'Dell, Wild Rose, Wis. 3-5

**PARTRIDGE WYANDOTTE EGGS** from the best to be found for eggs and showroom. B. C. Anderson, Muncie, Ind. 3-5

**WHITE WYANDOTTES.** Extra fine, Duston strain. Winners St. Louis, Muncie, Marion and Huntington. Winners in pens. Fifteen eggs, \$2.00; 50, \$5. Utility, 15 eggs, \$1; 50, \$3; 100, \$5. Cockerels, \$2 to \$8. Herbert Smith, Route 8, Bluffton, Ind. 3-4

**WHITE WYANDOTTE EGGS** for hatching, \$1.00 for 15; from pens that score 92½ to 97. Write for information. F. E. Grove, Nora Springs, Iowa. 3-5

**ROSE COME GOLDEN Wyandotte eggs** for sale, \$1.50 per 15. Mrs. Geo. W. Matthews, Pekin, Ind. 3-5

**WHITE WYANDOTTES**—"Pure White" Keelers strain. High scoring cockerels, \$1.50. Eggs \$1.00 setting. Indian Runner ducks. Nick Fleck, Plymouth, Ind. 2-4

**SILVER PENCILED WYANDOTTES.** Laying strain. R. J. Vandervoort, Mazon, Ill. 2-4

**WHITE WYANDOTTE EGGS** from Sioux City, Des Moines, Clarinda winners. Catalog. Mart. Kahn, R. 20, Clarinda, Iowa. 3-5

**WHITE WYANDOTTES.** bred to lay; 75c per 15 eggs; 2 settings, \$1.25; 100 eggs, 3.75. Janesville Poultry Yards, Janesville, Wis. 3-5

**WHITE WYANDOTTES—CHOICE STOCK** and eggs for sale. Write for prices or send 15c for our 224-page poultry book, which contains parcel post map showing how we deliver eggs for hatching right to your home. C. C. Shoemaker, Box 605, Freeport, Ill. 3-5

**BUFF WYANDOTTES**—Eggs from 1st prize pen \$3.00, 2nd prize cockerel matings \$2.00, at Cleveland Shows, 1913. Fine cockerels \$3.00 up. "H. & M." Poultry Farms, R. 6, Chagrin Falls, Ohio. 3-5

**PARTRIDGE WYANDOTTE EGGS,** \$2 for 15. Circular, giving show record, free. Address William Shreve, Uhrichsville, Ohio. 2-5

**COLUMBIAN WYANDOTTES.** Eggs, \$1.50 per 15. Satisfaction guaranteed. Rev. C. W. Seelhoff, Owosso, Mich. 2-4

**EGGS FOR HATCHING**—White Wyandottes exclusively. Birds from farm range. Prolific winter layers, \$1.50 per 15. O. J. Hamble, R. D. 2, Hinsdale, Ill. 2-4

**SILVER WYANDOTTES.** After going to quite an expense to make my birds first class I will offer eggs 15 for one dollar, or 100 for six dollars. Michael Cronley, Mt. Victory, Ohio. 2-4

**BUFF WYANDOTTES — LAYWINGOLDS** — Winners at Pittsburgh, Indianapolis, Cleveland, Toledo. Stock and eggs. Rev. Henry James, Kent, Ohio. 2-5

**COLUMBIAN WYANDOTTES**—grand winter layers. Eggs, \$2.00 per 15. R. C. Berkey, Salem, Ind. 2-4

**WHITE WYANDOTTES—TWELFTH YEAR** Duston direct. Standard shape, bay eyes, bred to lay and win. Won wherever shown, scoring to 96. Eggs, \$1 15, \$3 50, \$5 100. Special matings, \$2 15, \$3 30, \$4 50 50. Frank Hardwidge, Poneto, Ind. 2-4

**WHITE WYANDOTTES.** Cockerels, \$2.00; pullets, \$1.50. Eggs from first pen headed by Duston cockerel, \$2.00 per 15. Farm range, \$1.00 per 15. Satisfaction guaranteed. C. E. Van Buren, Victoria, Ill. 2-4

**HACKER'S WHITE WYANDOTTES.** They are white and bred to lay. Eggs per 15, \$2, \$3, \$5 from hens and pullets scoring 93 to 95½, mated to cocks and cockerels scoring 94, 94½, 95, 95½ in showroom; judges, Shallabarger and Russell. W. P. Hacker, Millersville, Ill. 2-4

**WHITE WYANDOTTES EXCLUSIVELY.** Cockerels and eggs cheap. L. A. DeCondres & Co., Gray's Lake, Ill. 2-4

**BUFF WYANDOTTES** "Par Excellence"—Eggs, \$2.50 per 15. George Streckfus, 800 N. Twelfth St., Springfield, Ill. 2-4

**WHITE WYANDOTTE EGGS,** 15, \$1.50; 100, \$6.00. Satisfaction guaranteed. 200 egg ancestry. Calvin Norman, Route 2-A, Dexter, Mo. 2-4

**COLUMBIAN WYANDOTTES**—Arnold's prize winning strain—Stock for sale. Eggs from healthy range stock, \$1.00 per fifteen, \$5.00 per hundred. Special prize mating, \$2.00 per fifteen. George M. Drumm, Mountville, Pa. 2-4

**WHITE WYANDOTTES**—Wood's "Useful and Beautiful"—exemplify the highest achievement in the breeding of this variety. Pens mated. Result from eggs sure. Trappednest. Farm reared. Established 1892. Booklet free. F. H. Wood, Sta. C, Cortland, N. Y. 2-4

**GOLDEN WYANDOTTE,** breeder 13 years. Two large pens, good laid, blocky birds. Eggs, \$2.00 30, \$3.00 60. Pure fawn and white runners. Eggs, \$1.50 15. Gerhard A. Hellman, West Point, Iowa. 2-4

**BLACK WYANDOTTES — BOSTON, NEW** York, Cleveland, Chicago winners. Howard Grant, Marshall, Mich. 1-5

**WHITE AND GOLDEN WYANDOTTES**—Prize winners, excellent layers. Circular free. S. J. Hunter, Route 10, Washington, Pa. 1-4

**REGAL BRED-TO-LAY** White Wyandottes. Eggs and chicks reasonable. Circular free. P. F. Heidlauf, Columbia, Pa. 2-4

**SILVER PENCILED WYANDOTTES,** Perfection strain. First prize winners. Eggs, \$2 for 15. Good cockerels, \$3. Myron Tyler, Dewittville, N. Y. 2-4

**COLUMBIAN WYANDOTTE EGGS,** \$2.00 per fifteen, from high class stock, all bred from prize winners, correct shape and markings, large, vigorous birds, raised on free range, heavy winter layers. Fertility guaranteed. Also choice cockerels and cocks. Arthur Schaeck, 605 Rohms Ave., Detroit, Mich. 2-4

**WHITE WYANDOTTES**—Sunflower Ranch. High class birds at popular prices. Bred from winners. Satisfaction guaranteed. Eggs, \$1.50 for 15; \$5.00 per hundred. W. E. Patterson, Montrose, Ill. 2-4

**WHITE WYANDOTTES.** At such quality shows as Watertown, Oconomowoc and Plymouth we won 13 first prizes. Eggs from these winners only \$2.00 and \$3.00. Mating list. W. Reeh & Son, Kiel, Wis. 2-4

**FINEST COLUMBIAN WYANDOTTE** cockerels and pullets for sale. Eggs, ten cents each; any number. Thomas Murdoch, Galesburg, Ill. 2-4

**SILVER LACED WYANDOTTES** exclusively. Prize winning strain. Cockerels, trios, pens, Eggs, 15, \$2; 30, \$3. Glenoak Poultry Yards, Kimbundry, Ill. 2-4

**BRED-TO-LAY** Columbian Wyandottes. Selected stock and eggs. Reasonable prices. Joseph Levin, Route 6, Princeton, Ill. 2-4

**BUFF COLUMBIAN WYANDOTTES.** A new variety of striking beauty. Sure to become popular. Original strain. Eggs for hatching. Write Dr. F. W. Seward, Jr., Goshen, N. Y. 2-4

## ORPINGTONS.

**SINGLE COMB WHITE ORPINGTONS**—Kellerstrass strain. Stock and eggs. Write for prices. H. C. Broughton, Brodhead, Wis. 2-5

**S. C. BUFF ORPINGTON** Eggs, Owen Strain, from trap nested hens. Thos. Fewtrell, Joliet, Ill. 3-5

**\$3 PER FIFTY EGGS** from 192-egg average S. C. Buff Orpingtons. Welday's Beetle Green Strain are the world's leading large bird layers. Stock. Price smasher catalog free. K. K. Welday, Seville, Ohio. 4-6

**S. C. BUFF ORPINGTON EGGS**—Two grand pens. Prize winning stock. \$2.50 and \$1.50 per 15. Book your order. I will guarantee 12 fertile and treat you right. Roy E. Bulechek, Hills, Iowa. 4-6

**BUFF AND WHITE Orpington** eggs that will produce winners and layers, \$1.00 to \$3.00 per 15. Geo. Moyer, Berrien Springs, Mich. 4-6

**S. C. BUFF ORPINGTONS.** Exclusive, well-mated birds, heavy laying strain. Eggs, \$1.00 per 15; \$5.00 per 100. A. L. Hoehne, Lowell, Wis. 4

**WITH A FEW EXTRA** fine imported birds, our Single Comb Buff Orpingtons now stand close to, if not at the top. Eggs now \$2 to \$15 per 15. My 8 years' specializing and experience I know will please and give good results. As to proof, my Buifs won 26 firsts, 100 prizes, as many specials the past two years at New York, Chicago, Springfield, Indianapolis, etc. Send for mating list; it's free. P. W. Windle, Box 8, Mt. Morris, Ill. 4-6

**\$25 KELLERSTRASS COCKEREL** mated to a \$150 pen. Philo White Orpington hens will surely bring something good. 15 eggs, \$3.00; 30, \$5.00. Infertile eggs replaced. Satisfaction or money back. \$10 orders prepaid. Cockerels, \$5.00. Fairview Training School, Frenchtown, N. J. 4-6

**KELLERSTRASS WHITE ORPINGTONS**—Eggs, fertility guaranteed. Original stock hatched from eggs direct from Kellerstrass. Great winter layers. Eggs, \$1.25 for 15; \$3.50 for 50; \$6.00 for 100. Woodlawn Farm, Sterling, Ill. 4

**WHITE ORPINGTONS — FOUR UNIFORM** pens. "Kellerstrass Crystal White Orpingtons." Scientifically mated. One pen fully the equal of the other. They are as near perfection as big advertisers of graded pens can get them. My eggs are all one price and my customers get just what they pay for. \$3 per setting; two settings, \$5.00. D. A. Palmer, Box 103, Oak Park, Ill. 4

**KELLERSTRASS STRAIN CRYSTAL WHITE** Orpingtons. Eggs, \$1.50 per 15 from stock that produces prize winners. F. R. Brill, Box 41, Hampshire, Ill. 4-6

**SINGLE COMB WHITE AND BUFF ORPINGTONS.** Choice stock, reasonable. Eggs of Whites, \$3.00 per 15, \$12.00 per 100; Buffs, \$2.00 per 15, \$8.00 per 100. August W. Schroeder, St. Peter, Ill. 4

**KELLERSTRASS STRAIN White Orpingtons**—Trios and cockerels. Baby chicks and eggs. The Maples, Maywood, Ill. Phone 633. 4

**EGGS FROM 96½ POINT EXHIBITION** HEAVYWEIGHT Blacks, Whites, Buffs. Get prices now. Orpington Yards, Delavan, Wis. 4-5

**SINGLE COMB BUFF Orpingtons.** 15 eggs, \$1.00; 30, \$1.75. Honey Creek Poultry Farm, Kahoka, Mo. 4

**EGGS, \$2 PER SETTING.** Real value, \$5. Large low-down Duke of Kent strain Black Orpingtons. Frank Kittsley, Cedarburg, Wis. 4-6

**KELLERSTRASS STRAIN WHITE Orping** tons. Eggs, \$2.50 per settings. Alan Galbraith, Friendship, Wis. 4-6

**"WHITE ORPINGTON"** eggs for hatching, bred to lay, from choice strains, \$1.50 for 15. W. P. Records, 1111 W. Nebraska Ave., Peoria, Ill. 4-6

**BLACK ORPINGTON** Eggs for sale from two magnificently bred pens of royal birds. Correct in type and color. Pen No. 1, \$5.00 for 15 eggs; pen No. 2, \$3.00 for 15 eggs. S. M. Neel, Kansas City, Mo. 4-7

**WHITE ORPINGTONS (COOK'S STRAIN).** Stock from Madison Square winners. Eggs, \$1.50 and \$3.00 per 15. Fertility, safe delivery guaranteed. C. A. Smart, Wild Rose, Wis. 4

**S. C. BUFF ORPINGTONS.** Eggs, \$2 per 15. T. Bunbury, Niles, Mich. 4-6

**ORPINGTONS, WHITE, BUFF AND BLACK**—Stock hatched from Cook's prize winners. Large, true type and color. Settings, best pens, \$7.00 per 15. Wm. D. Mann, Highland Park, Ill. 4-6

**"JEWELL'S" IMPROVED CRYSTAL WHITE** Orpington eggs and chicks, from exhibition and utility stock. Illustrated catalogue free. Satisfaction guaranteed. Harry Jewell, Painesville, Ohio. 4-5

**"SPECIAL APRIL SALE."** Black and White Cockerels and Pullets, same blood as our New York Champion winners. \$10.00 buys black cockerel that is a show bird. Weights range from 9 to 11 pounds. \$5.00 buys a bird good enough to be shown, same weights. \$5.00 buys white cockerel with size worth \$15.00. \$3.50 buys white pullets big and laying. Not a disqualification in a bird offered. Shipped on approval; express charges paid both ways if birds are not satisfactory. Foxhurst Farm, Lime Rock, Conn. See our regular advertisement, another page. 4

**SINGLE COMB BUFF ORPINGTONS.** Cook and Owen's Farm Strain, 15 eggs, \$1.00; 100, \$5.00. Wm. Harrison, Chenoa, Ill. 4

**SINGLE COMB BUFF ORPINGTONS (Cook** Strain). Eggs at \$1.00, \$2.00 and \$3.00 per 15. Fertility, safe delivery guaranteed. M. Button, Celina, Texas. 4-5

**KELLERSTRASS WHITE ORPINGTON.** Buff Orpingtons, one setting, \$2.00; 30 eggs, \$3.00; 50 eggs, \$5.00; 100, \$8.00. Wanted to buy, all kinds live foxes. Maple Forest Poultry Yards, Waters, Mich. 4-6

**BUFF ORPINGTONS—COOK, PENNINGTON,** Owens—Eggs from blue ribbon winners, 10c each, \$6.00 per 100. Waverly Poultry Yards, Station Bee, Lincoln, Neb. 4

**BUFF AND WHITE ORPINGTONS.** Prize winners. Bred to show and lay eggs; now ready. Send for price list. W. F. Morrical, Bourbon, Ind. 4-5

**BLUE ORPINGTON EGGS** for hatching at reasonable prices. H. Rudge, Great Barrington, Mass. 4

**CONNER'S SINGLE COMB BUFF Orpingtons** win. Eggs from a fine farm stock, \$1.00 per 15 or \$5.00 per 100. Choice mated pens, \$2.00 and \$3.00 per setting. C. R. Conner, Victoria, Ill. 4-6

**WHITE ORPINGTON EGGS,** 75c to \$3 per 15. Hatch guaranteed. Roy Pettitt, Kewanee, Ill. 4

**BUFF ORPINGTON EGGS.** Grand, soft, beautiful buff. Direct from Cook's \$20 eggs. No stock. J. F. Simmons, Booneville, Miss. 2-4

**EGGS FOR HATCHING** from my Crystal White Orpingtons. No Crystal Palace or Madison Square winners. Just honest, large, low-down white birds. First pen, \$5.00; second, \$2.00 per 15 eggs. F. H. Boynton, Chariton, Iowa. 4-6



## ORPINGTONS.

**S. C. BUFF ORPINGTONS.** Eggs from large, vigorous, heavy laying stock. \$2.00 per setting of 15. C. A. Purdum, Fairbury, Ill. 4

**WHITE ORPINGTONS,** highest quality eggs and chicks; also Buff Orpingtons. Catalogue. B. B. Hatchery, Chatham, N. Y. 4

**BUFF ORPINGTON EGGS** for hatching from my \$200.00 pen "Cook's," \$5.00 thirteen. These birds all sired by Cook's first prize Madison Square cockerel. Eggs from pen headed by first prize cock cost \$50.00, mated to two hens cost \$30.00 and first, second, third prize hens. Eggs, \$3.00 setting. Eggs from choice birds far better than utility stock, \$10.00 per hundred. Farm range. Infertiles replaced. Satisfaction guaranteed always. Mrs. Karl Spear, Conewango, N. Y. 2-4

**WHITE ORPINGTONS.** Eggs from prize winners, including first at Washington, \$3 to \$5 for 15. Why pay \$10 to \$25 for eggs from inferior stock. C. D. Holden, Brookland, D. C. 4

**BUFF ORPINGTONS.** COOK will tell you that I bought three \$20.00 setting eggs that were from pen headed by first prize Madison Square cockerel. I have some grand cockerels and pullets from these eggs to offer. Mrs. Karl Spear, Conewango, N. Y. 4-6

**BLUE, BLACK, BUFF ORPINGTONS** Stock and eggs. Prices right. Correspondence solicited. Orpington Yards, Epworth, Iowa. 4

**BLACK, BUFF, WHITE ORPINGTONS** of phenomenal size and type. Males 12 pounds, females 10½. Eggs ½ less than big breeders charge. Gef circular. Knowles, 1535 Kenilworth Ave., Rogers Park, Ill. 3-5

**BUFF ORPINGTON.** The coming duck. Best blood lines. Investigate. Catalogue. Met. Rahn, R. 20, Clarinda, Iowa. 3-5

**EGGS AND STOCK** from quality Buff Orpingtons at reasonable prices. Yards contain Buffalo, Pittsburgh winners. Circular. W. H. Gaude, 30 Inter Park, Buffalo, N. Y. 3-5

**WHITE ORPINGTONS** of quality. Write for matings and prices on eggs. Mitchell Bros., Mauawa, Wis. 3-5

**KELLERSTRASS WHITE ORPINGTONS.** Yearling hens. Eggs, \$7.00 hundred. Mrs. A. Hanna, Big Rock, Ill. 3-5

**WHITE ORPINGTON** Eggs, from stock line bred five years. Birds that have won at Chicago, Racine, Springfield, and other big shows. Some pens headed by Stay White males. Eggs three dollars and upward. Mating list. Some stock for sale. W. C. Mangold, Anna, Ill. 3-5

**SINGLE COMB BUFFS** our specialty since 1906. Eggs from splendid matings at reasonable prices. Fayette Miller, Brattleboro, Vt. 3-5

**KELLERSTRASS STRAIN WHITE ORPINGTONS.** One setting \$2; thirty eggs, \$3; fifty, \$5; hundred, \$8; hens and pullets, \$3. Sunflower Poultry Yards, Grafton, Ill. 3-4

**SINGLE AND ROSE COMB Buff Orpingtons.** Eggs and baby chicks. Prices right. D. E. B. Xanuy, Racine, Wis. 3-5

**WHITE ORPINGTONS.** DIRECT from Miss Carey. \$2.50 up per setting. Free mating list. L. S. Brooke, Box A, Howell, Mich. 3-5

**EGGS \$2 PER SETTING**—real value \$5. Large, blocky thoroughbreds, intelligently bred, S. C. White Orpingtons, Kellerstrass strain. Lake Erie Orpington Farm, R. F. D. No. 1, Sandusky, Ohio. 2-4

**S. C. BLACK ORPINGTON** Eggs. Choice matings \$1.00 and \$1.50 fifteen eggs. Andrew Stoots, Naperville, Ill. 3-5

**WHITE ORPINGTONS,** Kellerstrass, mated to 11 lb. cock and very white. Eggs, \$1.25 per 15; 100, \$7. Springfield Poultry Farm, Belleville, Ohio. 3-5

**SINGLE COMB WHITE ORPINGTONS.** Great winter layers. Two grand pens. Eggs \$3 and \$5 per 15. Stock for sale; day old chicks. Dr. MacKenzie, 3854 Byron St., Chicago, Ill. 3-5

**WHITE ORPINGTONS.** Kellerstrass and Owens Farms stock. Eggs \$4, \$3, \$1.50 per 15; \$7.50 per 100. Cockerels, \$1.50, \$3, \$4. Sunnyside Yards, Sandwich, Ill. 3-5

**CRYSTAL WHITE ORPINGTONS**—Best Kellerstrass and Cook strains. Selected cockerels, \$3 each. Eggs, \$2 for 15, \$4 for 50. J. Elliott Irvine, Street, Md. 3-5

**S. C. BUFF ORPINGTONS.** Martz strain. Eggs, \$1 per 15, \$5 per 100. Leigh Fliinn, Franklin, Ind. 3-5

**WHITE ORPINGTON EGGS**—One, two and three dollars per fifteen. Edgar Steiner, Powhatan Point, Ohio. 3-5

**S. C. WHITE ORPINGTONS.** Kellerstrass, Owen strains, crossed with imported bird from Miss Carey's farm, England. Winners of 1st, 3rd, 4th pullet and 5th cockerel, Ft. Wayne, Ind. Eggs, \$3.00 per fifteen. C. P. Klingler, Box B, Paulding, Ohio. 3-5

**LOOK! SCORES TO 95.** Prize winning S. C. W. Orpington pullets and eggs; satisfaction guaranteed. Karl Axline, Zanesville, O. 3-5

**CHOICE WHITE ORPINGTON** eggs from high scoring matings at reasonable prices. Write me your wants immediately. Frank Briscoe, De Pauw, Ind. 3-5

**S. C. BUFF ORPINGTONS.** Big fellows. Eggs, 15, \$2.00; 50, \$3.50; 100, \$6.00. C. H. Hunt, Clarksville, Iowa. 3-5

**CRYSTAL WHITE ORPINGTON** eggs, \$1.00 per 15; \$3.00, 50; \$5.00, 100; White Feather Farm, New Bremen, Ohio. 3-5

**BLACK, WHITE AND BUFF Orpingtons,** Cook and Greenwood strains. Cockerels shipped on approval, \$2.00 to \$5.00. Eggs, \$2.00 and \$3.00 per fifteen. Satisfaction guaranteed. Edward Rantz, Kaukaee, Ill. 3-6

**TRUESDELL'S BUFF ORPINGTONS.**—At Ohio State Poultry Show, January, 1913, open to all comers, Judge J. H. Drevenstedt said: "Nowhere in all the United States except Madison Square have I seen better Buff Orpingtons than those here." My winnings, both silver cups, 1st Pen, 1st Cock, 1st Cockerel, 1st Hen. Nuf sed. Eggs and stock. 373 West Fifth Avenue, Columbus, Ohio. 3-5

**WHITE ORPINGTONS.** Winners at Erie, Meadville, Butler and Pittsburgh, Pa. Eggs from large, healthy, heavy layers, 10 cents each. Chicks, 20 cents each. Eggs from extra fine exhibition matings, four dollars per fifteen. Chicks, 50 cents each. Fair hatches and satisfaction guaranteed. No circular. Order direct from the ad. today and avoid disappointment. L. A. Glessman, Box A, Conneautville, Pa. 3-5

**OWEN BROS.** Black Orpingtons. Cockerels, pullets and fowls. Orders booked for eggs. Mrs. H. Wedderspoon, Perthmore Farms, Cooperstown, N. Y. 3-5

**CRYSTAL WHITE ORPINGTONS**—Eggs \$3 per 15. Cockerels, \$3 up. A. F. Hayward, Box W, Danvers, Mass. 3-4

**S. C. BUFF Orpington,** bred from Wm. Cook's Madison Square Garden and imported winners. Fifty hens and pullets for sale. Eggs from 4 choice pens. D. W. Adams, Wyaconda, Mo. 3-4

**WHITE ORPINGTON COCKS,** cockerels, trios, pens, half price by score card. Ask for mating list. George Rheinfrank, West Chicago, Ill. 2-4

**KELLERSTRASS CRYSTAL WHITE ORPINGTONS** exclusively. Eggs from prize winners raised from pen purchased direct from Kellerstrass, \$3.00 per 15, \$5.00 per 30. Satisfaction guaranteed. M. E. Meyers, 604 Elvin Ave., Hamilton, Ohio. 2-4

**ROSE COMB, BLACK AND WHITE Orpingtons,** imported direct from England. Madison Square Garden prize winners. Eggs \$5.00 and \$10.00 per 15. S. D. Lance, Troy, Ohio. 2-4

**WHITE ORPINGTONS**—Four grand pens. Eggs \$1.50, \$2.50, \$5.00. Circular free. Wm. Dinkeloo, Holland, Mich. 2-5

**KELLERSTRASS WHITE ORPINGTONS** exclusively. Fine birds. Eggs \$2.00 and \$3.00 for 15. Good hatch guaranteed. F. R. Lawrence, Box 450, Arlington, Iowa. 2-4

**S. C. WHITE ORPINGTONS,** Cook strain, eggs for hatching, W. K. Wallace, 4632 N. 46th Ct., Chicago, Ill. 1-4

**CRYSTAL WHITE ORPINGTONS** direct from Kellerstrass's \$30 settings. Eggs \$2.00 per 15. Ernest Ahrens, Byers, Colo. 1-5

**ROSE COMB, Buff and Black Orpingtons,** Madison Square, Kansas City winners. C. O. Penrod, Piqua, Ohio. 2-4

**S. C. WHITE ORPINGTON EGGS,** 15, \$1.50; 100, \$6.00. Kellerstrass strain. Nancy Garner, R. 2, Dexter, Mo. 2-4

**COCKERELS** \$3 each from \$35 pen of four Kellerstrass Orpingtons. Kevill Dairy, Princeton, Ky. 2-4

**SINGLE COMB BUFF ORPINGTONS,** three grand pens. Eggs, \$5.00 per 15 delivered. Utility eggs, \$2.00 per 15. A few fine cockerels for sale. Address George C. Sayres, Cincinnati, Iowa. 2-4

**ROSE COMB WHITE ORPINGTONS** exclusively. "America's Best." Boston. Philadelphia, Hagerstown, Allentown, Williamsport winners. Eggs reasonable. Circulars. Wm. Seidel, Washingtonville, Pa. 2-4

**BUFF ORPINGTON EGGS**—Chicago winners. Also National egg laying contest. Up to weight. Score 93½ to 94¾ by Russell. Catalogue free. Richard M. Seward, Box No. 26, Route 3, Cuba, Ill. 2-5

**HATCHING EGGS** from eight large white hens with type to burn. The kind that will breed winners. These hens are mated to first cockerel at Wisconsin's state show held at Madison January, 1913. 102 White Orpingtons, class of 22 cockerels. Eggs \$5.00 per 15. We breed for egg production and get them. Eggs from all other pens, \$2.00 for 15; 30 or more 10c each. L. W. Clarke, Oregon, Wis. 2-4

**FOR SALE**—Some A-1 Kellerstrass White Orpington cockerels. Also eggs for hatching. Albert Goebels, Cullom, Ill. 2-4

**BLACK ORPINGTON EGGS** from nice large birds of a heavy laying strain, \$1.00 per 13. H. Merriam, Ashburnham, Mass. 2-4

**QUALITY WHITE ORPINGTONS EXCLUSIVELY.** Trap-nested winter layers. The only paying kind. Eggs, \$3.00 per fifteen. Limited number baby chicks. Send for mating list. Address, Crystal-O Farm, Box D, Batavia, Ill. 2-4

**TWENTY-FIVE DOLLARS REWARD** for the person hatching the greatest number of chickens from single settings of 15 eggs purchased from L. O. McKee & Co., Crystal White Orpington specialists. Stock for sale. Salisbury, Mo. 2-4

**TRIUMPH WHITE ORPINGTONS** win and lay. Eggs \$1, \$2 and \$3. Triumph Poultry Farm, Connerville, Ind. 2-4

**BLACK ORPINGTONS**—High class exhibition males, from imported stock. H. H. & E. M. Coburn, Memphis, Mich. 10-1f

**WHITE ORPINGTON** cocks, cockerels, hens and pullets. The winning kind. Prices right. Address White Feather Farm, R. 1, Liberty, Ind. 5-12-1f

**SEND TEN CENTS FOR** New Illustrated Catalog, just out, with history of the Orpingtons and hints on poultry keeping; originators of all the Orpingtons. William Cook and Sons, Box A, Scotch Plains, New Jersey. 11-10-1f

**CHOICE STOCK FOR SALE**—S. C. Black Orpingtons. Eggs in season. W. S. Stuver, Wadsworth, Ohio. 11-4

**WHITE ORPINGTONS—WINNERS** of 20 firsts and silver cups. Fine pens at \$10.00 each. Stock for sale. Order eggs now. Mating list. Sheldon Wolf, Washington, Pa. 2-4

**ROSE C. BUFF ORPINGTONS**—For five years my birds won more firsts at Madison Square Garden than all my competitors. State your wants. B. C. Roecker, Phillipsburg, N. J. 2-4

**WHITE ORPINGTON MALE** imported direct from England mated with females from Kellerstrass hundred dollar pen. Eggs five dollars for fifteen. Eggs from Kellerstrass stock, two dollars for fifteen. Kellerstrass stock mated with Cook strain, fifteen eggs one dollar. Roland McKean, Mulberry Grove, Ill. 2-4

**PHILO PEDIGREE**—White Orpingtons. Eggs \$3.00 setting. Mrs. W. P. Williams, Irvine, Ky. 2-4

**KELLERSTRASS WHITE ORPINGTONS**—single comb exclusively. Eggs \$1.50 to \$3.00 per fifteen. Some stock and day-old chicks. Write your wants. H. P. Swank, South English, Iowa. 2-4

**S. C. BLACK ORPINGTONS**—Excellent laying strain and winners. Eggs \$2.00, \$3.00 and \$5.00 per fifteen. Send for mating list. G. Anderson, Hinckley, Ill. 2-4

**"ORPINGTON EGGS"** \$1.00 and \$2.00 per 15; 100, \$5.00, \$10.00; ½ from each pen \$7.50. Birds from \$100.00 Kellerstrass trio, males weight to 11 pounds, pullets to 9½. N. Roy Bowman, Albany, Wis. 2-4

**WORLD'S BEST ORPINGTONS**—Rose and Single Comb White, Buff and Black. Winning over 2,000 prizes. Stock, eggs, chicks. Stamp for catalogue. J. S. Haupt's Farm, Easton, Pa. 2-4

**QUALITY ORPINGTONS**—Black and Buff. 1st at Brockton Fair, Providence, R. I., and silver cup best black cockerel at Rochester, N. Y. Eggs and stock for sale. Henry Lorio, East Dedham, Mass. 2-4

**SINGLE COMB WHITE ORPINGTONS**—Standard weight hens scoring to ninety-five, mated to pure white, ten-pound cockerel. Fifteen eggs, \$3.00. Express prepaid. Edward Buss, Janesville, Wis. 2-4

**BUFF ORPINGTON COCKERELS,** half price. George Rheinfrank, West Chicago, Ill. 2-4

**WHITE ORPINGTON EGGS** for sale. Pure Kellerstrass strain, \$1.50 per 15; \$4.00 per 50; \$7.00 per 100. Ed. Schumann, Madison, Ind. 2-5

**KELLERSTRASS STRAIN CRYSTAL WHITE** Orpingtons exclusively. Stock for sale, day-old chicks, eggs for hatching, \$5.00 and \$10.00 a setting. John H. Low, Farrell, Pa. 2-4

**ROSE COMB WHITE Orpingtons**—the business and beauty Orpington. There's dollars in them. Our handsome circular with photos from life tells all. Also Anconas. S. P. Porter, Mallet Creek, Ohio. 2-13-1f

**"CRYSTAL" WHITE ORPINGTONS,** Kellerstrass strain. Eggs for hatching, \$1.00 to \$5.00 per 15. Breeders direct, valued \$10.00 to \$50.00 each. Carefully transported. Send for 1913 mating list. Coppes Poultry Yards, Nappanee, Ind. 2-4

**MAC'S QUALITY BUFF ORPINGTONS** winner of five loving cups this fall. Pullets scoring 96½, cockerels 95. Special price on ten mated pens. My birds have splendid type, color and size. C. H. McAdams, Greenville, Bond Co., Ill. 2-4



## ORPINGTONS.

ROSE COMB WHITE ORPINGTONS—Coming boom breed. E. O. Heaton, Scircleville, Ind. 2-4

S. C. BLACK ORPINGTONS—Here's where you can get eggs from my prize winners, also won sweepstake cup over all birds at Greene Co. show. Price \$5.00 and \$3.00 per 15. G. C. Hays, Jefferson, Iowa. 2-4

WHITE AND BLACK ORPINGTONS—Young and old stock for sale. Vigorous, strong type. Line bred. Prices reasonable. Eggs \$2.00 setting, \$10.00 hundred. J. G. Ditzinger, Monona, Iowa. 2-4

JUBILEE ORPINGTONS! Get away from competition. Send 10c for my beautifully illustrated catalog and Orpington Magazine 1 yr. Lists bargains in all varieties of Orpingtons. Chevrolet Farms, R. 2, Cincinnati, Ohio. 2-13-14

PRIZE WINNING WHITE ORPINGTONS. From Kellerstrass \$30 eggs, \$3, \$5, \$10 per setting. Day-old chicks. Mrs. Olevia Jones, Beecher City, Ill. 2-4

GOLDEN FEATHER FARM S. C. Buff Orpingtons. Cook's strain direct. Fine color, blocky build. Eggs, 15, \$1.50; 30, \$2.75; 50, \$3.50; 100, \$6.00. Orders filled promptly. Frank Myers, Oakwood, Ohio. 2-5

KELLERSTRASS STRAIN S. C. Crystal White Orpingtons. Eggs, \$3.00 per 15, \$5.00 per 30. Extra good winter laying strain. Member White Orpington Club. G. O. Jean, Bloomfield, Ind. 2-4

SINGLE COMB WHITE ORPINGTON EGGS. \$3.00 per 15. William Buslap, 3731 Columbia St., near Lawndale and North Aves., Chicago. 2-4

EXTRA FINE Rose and Single Comb White Orpington stock and eggs. Get my circular. B. Wenk, Washington, Ill. 2-4

KELLERSTRASS WHITE ORPINGTON eggs \$8 per 100. Buffs, \$5 per 100. Stock. Alice Like Morris, Big Rock, Ill. 2-5

WHITE ORPINGTONS (KELLERSTRASS). "Lay, weigh, win and pay." Stock for sale. Eggs, fifteen, two dollars; thirty, three-fifty. Rev. E. H. Keator, Franklin Park, N. J. 2-4

I GUARANTEE PERFECT HATCHES by selling you chicks. White Orpingtons Kellerstrass. Owen Farms or Philo's best stock, 25c each. Robert Walton, Horseheads, N. Y. 2-4

WHITE ORPINGTONS FOR SALE—From my imported stock direct from William Cook, England. Also Crystal White Orpingtons. Eggs from snow white, heavy laying stock, \$3.00 to \$10.00 per 15. Mrs. J. H. Weaver, Winamac, Ind. 2-4

KELLERSTRASS ORPINGTONS. Large, vigorous cockerels, \$3.00 to \$5.00. Eggs, \$6.00 per 100. Lizzie Gustafson, Olivia, Minn. 2-4

KELLERSTRASS CRYSTAL WHITE Orpington cockerels, early hatched. Fairfield Farm, Hinsdale, Ill. 2-4

SINGLE COMB BLACK ORPINGTONS. Cook strain. Prize winners. Eggs for hatching. Fertility guaranteed. Send for mating list. Quaintance Poultry Plant, Route 1, Upper Sandusky, Ohio. 2-4

WHITE ORPINGTON EGGS. Circular free. W. Schweppe, Sadorus, Ill. 1-5

S. C. WHITE ORPINGTONS. Eggs \$2.00 and \$1.50 per 15; \$10.00 and \$7.50 per 100. Worth much more. David Pamp, Princeton, Ill. 3-5

S. C. BUFF ORPINGTON Settings. Winter layers. Won for me, my customers, and will win for you. Price and quality will please you. Beautiful mating list free. C. H. Anderson, Box A 287, Galesburg, Ill. 3-5

SINGLE COMB BUFF, BLACK AND CRYSTAL WHITE Orpingtons. Eggs from prize winning stock. Buff, \$1.15; Black and White, \$1.50; 12; \$3.00 30. J. H. Martin, Mercersburg, Pa., R. D. 4. 3-5

"KELLERSTRASS WHITE ORPINGTONS." Eggs, fancy, \$2.00; utility, \$1.50, per 15, by parcel post. Guaranteed to please. Geo. Wright, Lancaster, Ill. 3-5

EGGS—KELLERSTRASS CRYSTAL White Orpingtons, \$1 per setting, \$5 per 100. H. M. Smith, Princeton, Ill. 3-4

WHITE ORPINGTONS. Eggs, \$1.00 per 15. Extra good winter layers. Edmond Berkshire, Depauw, Ind. 3-5

S. C. WHITE ORPINGTONS. If you want to breed winners, buy eggs from birds that win. Eggs from grand pen headed by our 1912 list Hagerstown cockerel, \$7.00. Other grand matings, \$3, \$4 and \$5 per 15, prepaid. Bonny View Poultry Farm, Keyser, W. Va. 3-5

GOLDEN BUFF ORPINGTONS. The most beautiful birds that ever graced a back lawn or the green fields. I breed them for pleasure only. My breeding pens this season consist of the most beautiful selection of bred-to-lay, color, type, shape and weight I have ever seen. Am willing to divide this pleasure with you for less than cost. Eggs, \$1.50 to \$5.00 per setting. Mrs. S. A. Mickey, Cynthia, Ky. 3-5

EGGS—KELLERSTRASS ORPINGTONS. The pure white, low down, blocky kind; cockerel's weight, 9½ lbs.; hatch guaranteed; price, \$3.00 per 15. Mating list ready. Steidinger Bros., Forrest, Ill. 3-5

WHITE ORPINGTON EGGS (Snow Flake). \$2.00 per 15. Satisfaction guaranteed. Will Schmidt, Fairbury, Ill. 3-5

"CRYSTAL" WHITE ORPINGTONS, Kellerstrass direct. Eggs from choice birds. Day-old chicks and stock. Send for mating list. Rev. J. Kuhlmann, Battico, Ohio. 3-5

KELLERSTRASS S. C. WHITE ORPINGTONS. Eggs, \$1.50 to \$3.00 per 15. Ten fine cockerels, \$3.00 to \$10.00 each. Write quick. T. J. Hubbard, Birch Run, Mich. 3-5

EGGS, EGGS, EGGS. From pure bred White and Buff Orpingtons and Buff Leghorns. \$2 and \$3 per 15. Write for mating list. Square Deal Poultry Farm, Atlanta, Illinois. 3-5

KELLERSTRASS WHITE ORPINGTONS—Prizes at National Poultry Show, Indiana State Fair, and Anderson, Ind.—all last year. Fine utility females, standard weight and type, \$1.50. Eggs, \$2.50 and \$1.50 for 15. Mrs. Wallace B. Campbell, Anderson, Ind. 3-5

TRY MY PRIZE WINNING White Orpington eggs, \$2.00 per 15; and Duston strain White Wyandotte eggs, \$1.50 per 15. Jacob Gross, Freeburg, Ill. 3-5

WHITE ORPINGTONS. Winter layers. High scoring. Satisfaction guaranteed. Lester Falter, Janesville, Wisconsin. 3-5

S. C. WHITE ORPINGTONS exclusively. Eggs from selected pen, \$2.00 per setting. E. P. Sullivan, Gillespie, Ill. 3-5

WATCH MY ORPINGTONS. Pen 1 White, Pen 2 Buff, in Inter Ocean egg-laying contest. Eggs from these strains, birds scoring to 93½. \$1.50 per 15; 30, \$2.50. Circular free. Bert Shaw, Elizabeth, Ill. 3-5

STAY WHITE ORPINGTONS, scoring to 95½. Illustrated egg catalogue. Thomas Brodgen, Rush Lake, Wis. 3-4

"ORCHARD HILL" HIGH CLASS S. C. Buff Orpingtons exclusively. Winners Springfield, Peoria, Alton, Granite City. Eggs, \$4.00, \$2.00, \$1.50, 15. Utility, \$5.00 100. Mating list. F. Crosby Jones, Kane, Ill. 3-5

WHITE ORPINGTON EGGS from prize winners for sale. Also Indian Runner duck eggs. Orpington Poultry Yards, Box 9, Freeport, Ill. 3-5

BLACK ORPINGTON (Cook's) eggs for hatching, \$1.50 and \$2.50. Also three good cockerels left. John Bouchard, St. Anne, Ill. 3-5

BUFF ORPINGTONS and eggs for sale. Incubator lots a specialty. George Holland, Louisiana, Mo. 3-5

SINGLE COMB BUFF ORPINGTONS (Martz, Frazier strains). Member National S. C. Buff Orpington Club. Eggs, Three Dollars per fifteen. Allie J. Sermersheim, Jasper, Ind. 3-5

EGGS FROM PRIZE WINNERS, \$3 for fifteen. Mating list for a postal card. We specialize in size, type and color. Please write. E. M. Van Petten & Sons, Bloomington, Ill. 3-5

SINGLE COMB BUFF ORPINGTONS for sale—Grand exhibition and breeders—old and young—from Cook's imported and home winners. Bargains in cockerels and breeding pens. D. W. Adams, Wyaconda, Mo. 3-4

ROSE AND SINGLE COMB White Orpingtons. Winners Illinois State, Indiana Fanciers, and Wabash Valley Shows. Eggs, \$3, and \$5, for fifteen. Lyman Harris, Newton, Ill. 3-5

ROSE COMB BUFF, BLACK AND WHITE Orpingtons. Madison Square Garden, Chicago. Cleveland and Detroit winners. H. C. Faulkner, Marshall, Mich. 3-5

MY SINGLE COMB WHITE Orpingtons are better than ever. Cook, Haggin, Kellerstrass strains. Eggs, \$1.50 15; \$10.00 per 100. P. F. Montgomery, Nashport, Ohio. 3-5

WHITE ORPINGTONS. Stock direct from Kellerstrass. Eggs, pen, \$2.00 per 15; utility, \$1.00 per 15. \$5.00 per 100. Miss Alma Eichelmann, R. 4, Waterloo, Ill. 3-5

CHOICE KELLERSTRASS WHITE ORPINGTONS. State Show winners; hens up to 13 lbs. Eggs, \$2.00, \$3.00 and \$5.00 per fifteen. Stock for sale. Edw. Zerbst, St. Joseph, Mo. 3-5

ROSE COMB WHITE. Single Comb Buff. Eggs, \$1.50 to \$5. Hens with baby chicks, \$4 to \$10. Breeding stock. Mating list ready. Dr. Evans, LeGrand, Iowa. 3-5

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SINGLE COMB BLACK MINORCA breed exclusively, 17 years (Northup strain). Day old chicks, 25 cents each. 15 eggs, \$1.50. Also by hundred. B. C. Deyo, New Paltz, N. Y. 2-4

ROSE COMB WHITE MINORCAS. Eggs, \$3.00 per 15. F. L. Schneider, Jasper, Ind. 3-4

SINGLE COMB WHITE and Black Minorcas, that have size, shape, color, the laying strain. Eggs. White, \$2.00 and \$3.50; Black, \$2.00 and \$3.00 per 15. F. W. Schmidt, Princeton, Wis. 2-5

EGGS FROM OUR BLUE RIBBON silver cup winning Rose Comb White Minorcas. They have been winners one generation after another. It runs in the family. A. B. Caldwell, Box 1, Alcedonia, Ohio. 3-5

BROGDEN'S WHITE MINORCAS. Rose and Single Comb. Winners at New York and Chicago. Greatest of layers. Illustrated egg catalogue. Thomas Brogden, Rush Lake, Wis. 3-4

S. C. W. MINORCAS. Eggs for hatching. Pen No. 1 females scoring from 95 to 96½ mated with cockerel scoring 94. Pen No. 2 females scoring from 92½ to 94, males from 93 to 94½. Write for prices. A. L. Buzzard, Washington, Ill. 3-5

MINORCAS. SINGLE COMB, white, large, rangy Teetz strain. Eggs, \$2.00. P. C. Maphet, Madisonville, Ohio. 3-5

SINGLE COMB WHITE MINORCAS, "as good as the best." Bred from Madison Square champions. Eggs, \$2.00 per 15. Correspondence solicited. W. W. Keefer, Marietta, O. 3-5

S. C. B. MINORCAS—Northup, Pape, "Edge-mont" stock. Eggs, 10c each, \$5 per hundred. Hens for sale. Lena E. McKay, Macon, Mo. 3-5

SINGLE COMB BLACK MINORCAS; 21 years a breeder of the best. Egg list. E. S. Foulks, Jefferson, Iowa. 3-6

MILNER'S MAMMOTH MINORCAS, both combs, highest quality at moderate prices. Eggs and baby chicks. Write today for particulars. S. Milner, Franklin St., Watertown, N. Y. 3-6

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SINGLE COMB BLACK MINORCAS. Northup strain, farm range. Eggs, \$1 per 15, \$5 per 100. Thomas E. Ebersole, Carrollton, Ohio. 3-5

ROSE COMB BLACK MINORCAS. Campbell strain, farm range. Baby chicks and eggs for sale. Prices reasonable. Herbert Slessman, Attica, Ohio. 3-5

MEISELBACH'S WHITE MINORCAS—Single and Rose Comb highest quality stock for sale. Harry Meiselbach, Melrose Park, Ill. 3-4

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ROSE COMB BLACK MINORCA EGGS, \$5, \$3, \$1 per setting of fifteen. First cockerel, second pullet and third hen at Cleveland Fanciers' Show, 1913. J. Beswick, Berea, Ohio. 3-5

S. C. BLACK MINORCAS (Northup strain). Cockerels, baby chicks. Eggs. Leghorn catalogue. Stamp. Failing Poultry Farm, LaFayetteville, N. Y. 3-6

SINGLE COMB WHITE MINORCAS. Madison Square Garden winners. Eggs, \$2.00 and \$3.00 per 13. C. Augustus Raschke, Kingston, N. Y. 2-4

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ROSE COMB BLACK MINORCAS. Farm raised. Full description in mating list now ready. J. S. Ball, Varland Ave., Toledo, Ohio. 2-4

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ROSE AND SINGLE COMB White Minorcas. Firsts Chicago, Kansas City, Topeka. William Huber, Hinsdale, Ill. 2-4

SINGLE COMB BLACK MINORCAS bred exclusively. Excellent laying strain. Eggs, \$2.00 per 15, or \$8.00 per 100. Minorca Farm, Sta. L, Route 3, Cincinnati, Ohio. 2-4

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BUFF MINORCAS. Single and Rose Comb stock and eggs. Can start you right in this grand breed. Originator of Buff Minorcas. R. P. Buffington, Springfield, Ohio. 2-4

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S. C. BLACK MINORCAS EXCLUSIVELY. Cockerels with size and eggs from my winners at Madison Sq. Garden, Chicago, Cleveland and Cincinnati. Price right. Get mating list. Al Renner, Coshocton, O. 2-4

SAPPER'S WHITE MINORCAS. Both utility and show birds; excellent layers; at reasonable prices. Mrs. William Sapper, Box 8, Erie, Pa. 12-4

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ROSE COMB BLACK MINORCA eggs, \$1.50 per 15. The kind that will produce prize winners. O. T. Singer, New Cumberland, Ohio. 2-4

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LAKENVELDERS—MY "BEAUTY" strain won four firsts at Chicago, 1911, and first pen with four other ribbons at Madison Square Garden, 1913. W. R. Legron, Harvard Terrace, Toledo, O. 4-6

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IMPORTED THOROUGHbred Lakenvelders, Eckardt's strain, win list wherever shown. Eggs for hatching. H. W. Eckhardt, Oconto, Wis. 4

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WHITE COCHIN BANTAM eggs \$1.25 per 15. Louis Yender, Naperville, Ill. 3-5

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BUFF COCHIN BANTAMS. Eggs from No. 1 pen, \$2.00 per 15. Fred M. Haas, Machias, N. Y. 3-5

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GOLDEN SEABRIGHT BANTAMS—Stock and eggs. Write wants. Don O. Baird, Winchester, Ohio. 2-4

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ENGLISH RED CAPS—We are the largest breeders and importers of English Red Caps in America. Eleven pens. Cock bird weight 8½ pounds. Fine mating list free. Z. T. Turner, Eleroy, Ill. 2-4

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FOR SALE—12 fine young Buttercup hens and three cockerels. All large, fine birds. \$5 apiece. Victoria Poultry Yards, 7203 Picadilly Ave., St. Louis, Mo. 4

BUTTERCUP EGGS, selected pen, \$2.50; second pen, \$1.50 per 15. Henry Cammer & Son, Livingston Manor, N. Y. 4-6

BUTTERCUPS—EGGS for hatching, \$3.00 per 15. M. J. Wilkinson, Irish Ripple, Pa. 4

BUTTERCUPS. SEND FOR mating list and show record. Infertiles replaced. George Austin, Importer and Breeder, Norway, Maine. 4

BUTTERCUPS—15 EGGS \$3.00, 30 eggs \$5.00. Cockerels, pullets, \$5.00 each. Henry Schowe, New Bremen, Ohio. 3-5

SICILIAN BUTTERCUPS will be in Great Demand for years to come, and Big Money will be made by all who breed them. Come in! For Free Folder full of Foretold Facts, address: Isaac Tillinghast, Secretary American Buttercup Club, Fallersville, Pa. 3-5

BUTTERCUP EGGS \$2.00 for 15. From best imported stock. E. C. Aderhold, Plymouth, Wis. 3-5

BUTTERCUPS—GREAT LAYERS. Eggs, four dollars per fifteen, from choice matings. Winners of silver medal at Northern Illinois Poultry Show. Others, three dollars. All trapnested. Satisfaction and fertility guaranteed. H. Court, Kankakee, Ill. 3-6

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BUTTERCUPS—A few good cockerels, \$5.00 each. Eggs for hatching, \$3.00 per 15; \$5.00 per 30. Angle Bros., Shippensburg, Pa. 2-4

BUTTERCUPS—FINE LAYERS, strong vigorous stock. Eggs for hatching, \$2.00 to \$3.00 for 15. A. T. Abbott, Stockport, Ohio. 1-4

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LIGHT BRAHMAS—famous Hilbert strain; blue ribbon winners. Eggs, \$3 and \$5. Hilbert Yards, 1351 South High Street, Columbus, Ohio. 3-5

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LIGHT BRAHMAS—Good dark points, shape and size. Eggs, 15, \$2.00; 50, \$3.50; 100, \$6.00. Circular free. Chas. Hunt, Clarksville, Iowa. 2-5

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MAX PETERS' SILVER SPANGLED Hamburgs, blue ribbon winners wherever shown. Cockerels and trios for sale at reasonable prices. No eggs are for sale. Max Peters, Forest Glen, Ill. 3-5



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**REAL GOOD SILVER SPANGLED HAMBURGS.** "Beauty Spot" strain, low tails, sharp spangles. Winners Indianapolis, Nashville, Atlanta, Madison Square. 15 eggs, \$3.00; 30 eggs, \$5.00, by parcel post, prepaid. Half-tone circular free. Charley Laughlin, Bloomfield, Ind. 4-6

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**BUCKEYES AND REDS.** Send for catalogue. William Crabbs, Toledo, Ohio. 3-4

**BUCKEYES, WEISBERG'S QUALITY BUCKEYES,** the leading strain of the best breed. Biggest winners New York, St. Louis, Memphis, Sedalia. Free illustrated catalogue. A. H. Weisberg, Nevada, Mo. 4-6

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**BUCKEYE WINNING FIRST** prize Chicago and Detroit. Eggs, Pen No. 1, \$5.00 setting; Pen No. 2, \$3.00 setting. O. A. Doelle, Crosswell, Mich. 3-5

**BUCKEYES,** Twelfth year. Quality. State fair first. Gardner Dunning, St. Marys, Ohio. 2-4

**TWELVE MATED PENS.** Nine years a breeder of BUCKEYES. Eggs \$1.50, \$3.00, \$5.00 per 15. Baby chicks. Order now. Highland Poultry Farm, Box A, Nevada, Mo. 3-5

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**SILVER CAMPINES.** Capt. DeBathe has sent us laying pullets and cockerels which he offers for sale at low prices for imported birds, \$6 to \$12 each. Eggs for setting. Ridge Egg Farm, West Nyack, N. Y. 4

**IMPROVED SILVER CAMPINES.** Limited number settings, \$6.00 fifteen (twelve guaranteed fertile). Reserve now. Everfresh Egg Farm, Ionia, Mich. 4-5

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**EGGS FROM IMPORTED** English Silver Campines, four dollars per fifteen. Edward Buss, Janesville, Wis. 3-5

**EGGS \$4 15.** Silver Campines. Oak Grove Farm, R. No. 34, Box A, Peoria, Ill. 3-5

**SILVER AND GOLDEN CAMPINES.** Finest imported stock. Eggs, \$3.50 a setting. L. Peck, Nyburg, Colo. 3-5

**SILVER CAMPINES.** Improved Silver and Golden Campines. "Imported" stock and eggs for sale. Catalogue free. Klager's Poultry Yards, Hespeler, Ont. 3-8

**SILVER CAMPINES.** LIVING egg machines. The poor man's friend. Satisfaction guaranteed. F. Young, Lawrence, Mich. Importer and Breeder. 3-5

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**IMPORTED SILVER CAMPINE** prize pens which produced recent Crystal Palace winners. Limited number of sittings booked. Overlook Poultry Farm, Monsey, N. Y. 2-4

**SILVER CAMPINES** won 1st, 2nd hen, 1st cockerel, 2d and 3d pullet at Tristate Poultry Show, Jan. 6, 1912-13. Eggs from this pen, \$7.00 for 15. J. C. White, Weston, Ohio. 2-4

**GOLDEN AND SILVER CAMPINES**—Mrs. Carver will sell a limited number of settings from two special matings at very reasonable prices. The same high standard of mating and breeding of which this farm is noted. Address Mrs. Pearl Carver, care Carver's Red Farm, Seville, Ohio. 1-13-11

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**WHITE FACE BLACK SPANISH.** Eggs, \$1.50 and \$2.50 per setting; \$3.50 per fifty. Mrs. Hattie Tyler, Fairview, Kan. 3-4

**"AMERICA'S BEST"** White Face Black Spanish. Eggs for hatching. Illustrated catalogue free. M. H. Lindsey, Box A, Northville, N. Y. 3-5

**WHITE FACE BLACK SPANISH,** eggs, 15 for \$1.50; 30 for \$2.50; 100 for \$5.00. Good stock for sale. Lonella E. Jaqua, Portland, Ind. 2-5

**LANGSHANS.**

**BLACK LANGSHAN EGGS** from winners at Sewickley, McKeesport and Pittsburgh, \$3 per 15. Cockerels for sale. E. Porter & Son, 1400 Chappel Ave., Banksville, Pa. 4-6

**WHITE LANGSHANS,** the greatest utility breed today. Eggs from best quality stock, \$3 per 15, 50 for \$5.00, 100 for \$7.50. A. D. Freese, Box C-83, Mohawk Village, Ohio. 4-6

**BLACK LANGSHANS.** WINNERS at Beaver and Pittsburgh shows. Choice pullets and cockerels for sale. Eggs. Write. Walter Herron, Fallston, Pa. 4

**EXTRA BIG BONED,** greenish glossy, black eyed Black Langshan, scored, \$2.50 and \$5.00 each. Eggs 15 cents each, guaranteed. Osterfoss Poultry, Hedrick, Iowa. 2-5

**BLACK LANGSHANS.** Won at Indianapolis, 1912, 1st cock; January, 1913: 1st, 3rd hen, 1st pullet, 2nd cock, 5th cockerel; February, 2nd cock. Fifty farm raised cockerels, 200 pullets and hens for sale reasonable. Eggs, \$2.00, \$3.00, \$5.00 per 15. Satisfaction guaranteed. Chas. Jacobson, Attica, Ind. 3-5

**WHITE LANGSHANS.** Bred from the first prize cockerel of Ohio, Indiana and Kentucky State fairs. Pens, \$10.00 and \$12.00. Eggs by the setting or hundred. Cedar Lawn, R. 2, Rutland, Ohio. 3-5

**BUFF LANGSHANS**—We have 'em, and winners, too. Imported them from England. Got blue ribbons at Chicago and Boston this winter. No stock, only eggs to offer. Daniel S. Fling, Mgr., 1427 Howard St., Chicago. 3-5

**WHITE LANGSHANS.** Always win first prizes. 28 eggs \$1.80. Geo. McCague, New London, Ohio. 3-5

**BLACK LANGSHANS,** Monarch strain. The kind that win and lay. Eggs for hatching. Choice cockerels for sale. Write. Leo. A. Gartman, Oshkosh, Wis. 2-5

**BLACK LANGSHAN EGGS,** \$1.50 per 15. Springdale Farm, Burnt Prairie, Ill. 3-5

**BLACK LANGSHANS.** Eggs, \$1.00 and \$2.00 setting; \$5.00 100. Barker strain. Golden Gate Farm, Lafayette, Ind. 3-5

**WHITE LANGSHANS** that win the blue. If there were any better I would have them. Stock and eggs. C. Leitnaker, Basil, O. 2-4

**HIGH SCORING** Black Langshans, 15 eggs \$2.00; 30, \$3.00. Levi Fishel, Dillsburg, Pa. 2-4

**COCHINS.**

**15 GRAND BUFF COCHIN** cock birds and several cockerels, fit to win at any show. Also a few hens and pullets, a few grand birds in White, Black and Partridge Cochins for America's greatest strains. Cochins Home, Dundee, Minn. 3-4

**BUFF COCHINS** again won over all at Kansas State Show and Oklahoma State Show. Eggs, three dollars. Cory & Cory, Muskogee, Okla. 3-4

**PARTRIDGE COCHINS**—Extra choice stock. Eggs \$1.25 per 15; \$5.00 per 100. Elmer Niece, Frenchtown, N. J. 2-6

**BABY CHICKS.**

**50,000 BABY CHICKS.** S. C. White, Buff, Brown Leghorns, Black Minorcas. Hatching eggs. Catalogue. Failing Poultry Farm, La-fargeville, New York. 4-6

**ALL VARIETIES CHICKS, DUCKLINGS,** one-pound size, \$7.50 dozen. America's best strains, 250 eggs. Guy K. Neisler, Fillmore, Ill. 4

**CHYKS AND EGGS.**—My free "Chick Book" tells why we have the best breeding stock in the world. How to brood by the California or common sense method. How to care for baby chicks. How to build an open front house. Drop me a card and Uncle Sam will fetch you one right soon. Seth H. Leach, Prop., Crowhurst Mammoth Hatchery, Westport Hill, Kansas City, Mo. 4-5

**JAMISON BROS., BABY CHICK Specialists.** S. C. W. Leghorns, Young's direct; W. P. Rocks, Fishel's direct; S. C. R. 1. Reds, Tompkins. Eggs for hatching, \$5.00 per 100. Robin Hood Poultry Yards, Havre de Grace, Md. 4

**BABY CHICKS—STRONG, VIGOROUS,** thoroughbred stock. Young's strain White Leghorns; also Buff, Brown Leghorns, etc. Safe arrival and satisfaction guaranteed. Write for catalogue. Holland Hatchery, W. Van Appledorn, Holland, Mich. 4-6

**BABY CHICKS** from pure bred stock—Barred Plymouth Rocks and Brown Leghorns, \$10 per hundred. Great bargain. Satisfaction guaranteed. Mrs. F. Crisbman, Sunflower Hatchery, Scottsville, Kan. 4

**BABY CHICKS**—Crystal White S. C. Leghorns, White and Buff Rocks, every chick pure. Prices, \$10 to \$20 per 100 chicks. Safe arrival and satisfaction guaranteed. Crystal Hatchery, Box 31, Frenchtown, N. J. 4

**KULP'S 242 ROSE COMB** Brown Leghorn baby chicks, 100, \$10. 100 eggs, \$4; 15, \$1. Mrs. M. N. Smith, No. 2, Packwood, Ia. 4-5

**BABY DUCKS**—Pekin, Indian Runner, White Muscovy. C. W. Osborne, Route 2, Youngstown, Ohio. 4-5

**BABY CHICKS AND EGGS** from one of the best winter-laying flocks of White Rocks in the country. We guarantee safe arrival of chicks. Place your order with us. Shady Wood Farm, A. F. Beckman, Mgr., Crown Point, Ind. 4-5

**DAY OLD DUCKS AND CHICKS** of standard varieties. Catalogue. B. B. Hatchery, Chatham, N. Y. 4

**BABY CHICKS**—Barred Rocks, Brown Leghorns, \$10.00 per hundred. Mrs. F. Unger, Route 1, Lewisburg, Ohio. 2-4

**BABY CHICKS AND DUCKLINGS.** Single Comb White Leghorns 10c apiece. Pekin ducklings 20c apiece. Hart Lester, Ransomville, N. Y. 3-5

**BABY CHICKS**—BABY DUCKS—Orpingtons, Leghorns, Rocks, Indian Runners. Guaranteed bargains. Johnson Poultry Farm, Coulwood, Va. 3-5

**BABY CHICKS**—from extra fine stock, quality, vitality, S. C. White Leghorns and R. 1. Reds in any quantity. Geo. Tailliar, Fayetteville, N. Y. 3-5

**BABY CHICKS**—Rhode Island Reds and White Wyandottes. We specialize in these breeds and have the best. Order early and be sure of getting chicks when wanted. Maplehurst Farm, Fall River, Mass. 3-5

**BABY CHICKS AND EGGS.** Standard bred Reds, Rocks, Buff and White Orpingtons, White Wyandottes. Write for free circulars. Martin Michelson, 232 Fifth St., Aurora, Ill. 3-5



## BABY CHICKS.

ANCONA BABY CHICKS. Twenty cents each in any quantity. Sterling Poultry Farms, 1557 E. 27th St., Cleveland, O. 3-5

STERLING QUALITY BABY CHICKS. 15 standard breeds. Sterling Poultry Farms, 1557 E. 27th St., Cleveland, O. 3-5

BABY CHICKS. From our prize-winning, heavy-laying strains. White and Buff Orpingtons, White Leghorns, S. C. and R. C. Rhode Island Reds, White Wyandottes, Indian Runner Ducklings. 260 prizes at 8 leading shows. Over 1,000 breeders. All stock reared on free range on our 160-acre farm. Hall Mammoth Hot Water Incubator used exclusively. Our chicks are healthy and sturdy. They equal in every respect the best hen-hatched chicks. Place orders now if you wish to be sure of getting chicks when wanted. Send for catalogue. Grannis Bros., Route 8, Bryn Mawr Park, Yonkers, N. Y. 3-13-14

BABY CHICKS AND DUCKLINGS. 8c up. Free range, pure bred. Safe arrival guaranteed. Custom Hatching. Catalogue. Houck's Hatchery, Tiffin, Ohio. Dept. B. 3-4

BABY CHICKS—WYANDOTTES. Imperial Buffs and Duston Whites. From healthy, vigorous, range raised stock, \$15.00 per 100, \$8.00 per 50. Wideacres Farm, Claverack, N. Y. 3-5

BABY CHICKS, EGGS FOR HATCHING. White Wyandottes, S. C. White Leghorns. H. H. Jayne, Waverly, N. Y. 3-5

SINGLE COMB RHODE ISLAND RED baby chicks \$12.50 per 100. Place your order early. Mrs. Mary Sawtell, Colo. Iowa. 3-5

DAY-OLD CHICKS—White and Brown Leghorns. Pure stock, guaranteed. Catalogue free. McKinley Hatchery, Zeeland, Mich. 2-4

BABY CHICKS—White Wyandottes, Barred Rocks, Rhode Island Reds, White Leghorns, all hatched in Mammoth Hot Water Machines. Chicks that will live and grow. Thousands of these chicks have satisfied my many customers in the past. Booklet free. W. B. Candee, De Witt, N. Y. 2-6

BABY CHICKS—Single Comb White Leghorns, \$2.00 doz.; \$12.00 per 100. Single Comb White Orpingtons, \$5.00 doz.; \$15.00 per 50; \$25.00 per 100. Stamp for catalogue. Haupt Hatchery, Easton, Pa. 2-4

WHITE LEGHORN CHIX, NINE cents each, from excellent stock. Free circular. Novorra Farm, Silver Spring, Md. 2-4

S. C. W. LEHORN Baby Chicks \$12.50 per 100. Hatching eggs \$6.00 per 100. Mammoth incubator. National Egg Farms Co., Colfax, Ill. 2-4

CHICKS AND DUCKLINGS from the finest stock in the country. Different varieties. Prices right. Safe arrival and satisfaction guaranteed. Catalogue free. Wyngarden Hatchery, Zeeland, Mich. 2-6

YOUNG AND WYCKOFF STRAINS S. C. White Leghorn baby chicks, \$10 per hundred express-prepaid. Eggs from same stock, guaranteed 90% fertile, \$4.50 per hundred. Ohio Valley Hatchery, Ramsey, Ind. 2-4

BABY CHICKS—White and Buff Orpingtons, Owen strain. Safe arrival guaranteed. Eggs for hatching. Mating list furnished. P. W. Wenk, Carlisle, Pa. 2-4

BABY CHICKS—White Leghorns, 12c. White Rocks, Barred Rocks and Reds, 15c. Breeders on separate farms. Closely culled for color and shape. Splendid layers. Express paid. Circular. A. L. Ford, Kenton, O. 2-4

THOROUGHRED WHITE LEGHORNS and Barred Rock Baby Chicks from vigorous farm raised stock. Prices very low considering quality. Send for free catalogue giving prices and description of stock. L. M. Headman, Upper Black Eddy, Pa. 2-7

BABY CHIX of quality, express paid. 8 weeks old pullets. 10 varieties. Safe arrival guaranteed. Catalogue free. South Kenton Poultry Farm, Kenton, Ohio. 2-5

BABY CHICKS—Pure bred S. C. White Leghorns from vigorous, free range parent stock. Chicks are of exceptional quality and hatched under perfect sanitary conditions. Safe arrival and satisfaction guaranteed. Eggs for hatching. Inspection invited. Rosemary Poultry Plant, Frenchtown, N. J. 2-4

BABY CHICKS, SUPERIOR QUALITY. See our ad on another page. Midlothian Poultry Farms, Tinley Park, Ill. 2-11

## GAMES.

FOR SALE all kinds of exhibition game and game bantams, also eggs. A few fine Silver Duckwing and Pyle Bantam cockerels for sale cheap to make room, no pit birds kept. W. Barber, High Park Game and Game Bantam Yards, 118 Roncesvalles Ave., Toronto, Ont. 3-5

BLACK REDS, PYLES, SILVER Duckwings. Large. Purely bred. 15 eggs, \$1.75. Jesse Bromley, Washington, Mich. 3-5

PIT GAMES. JUNGLES crossed on American-English stock. Gamest and most beautiful in the world. Dr. C. M. Hulley, Brecon, Hamilton County, Ohio. 3-5

BROWN AND BLACK Red Pit Games for sale. Eggs, \$1.50 per 15. H. Webster, Athens, Texas. 3-5

BENNETT'S PYLE GAMES—Winners Madison Square Garden, Chicago, Boston, Pittsburg, Buffalo, etc. Stock and eggs for sale, 15 for \$5.00. Henry Bennett, Brown, W. Va. 2-4

EGGS from choice Silver Duckwings, Black, Red and Red Pyle Games. Stamp for Egg Circular. Clark Price, Rochester, Mich. 2-4

GRIFFIN'S RED PYLE Exhibition Games. Winners wherever shown. Eggs \$3.00 per fifteen. Have a few choice cockerels for sale. George Griffin, Brown, W. Va. 2-4

CORNISH GAMES—Prize winners, fifteen eggs delivered dollar fifty. Frederick Shank, Timberville, Va. 2-4

## CORNISH.

HENNESSY'S DARK CORNISH have quality of a very high order. Eggs, \$2 per 15. Sixteen years breeders. Satisfaction guaranteed. Hennessy Bros., Strawberry Point, Ia. 4-5

DARK CORNISH. Winners of firsts at Illinois and Indiana State Fairs, Richmond, Charlottesville, Augusta and Warrenton, Va., Galesburg, Ill. (5), etc. Standard lacings and type. Surplus stock all sold. Eggs, \$2.50 for 15. Member American Cornish Club. H. M. Richards, Galesburg, Ill. 4

WHITE CORNISH INDIANS. Prize winners. Eggs, \$2 per 15; 50, \$5. C. L. McFerren, Bellville, Ohio. 3-5

WHITE CORNISH EGGS, guaranteed  $\frac{3}{4}$  fertile, \$2.50 for 15. C. S. Colter, Rock Creek, Ohio. 3-5

WHITE CORNISH Game, high quality. 15 eggs two dollars. Clyde French, Timberville, Va. 3-5

CORNISH. IF YOU WISH eggs from prize winners I have them; low, blocky, true Cornish type. Stock for sale. D. Barnett, Waynetown, Ind. 3-5

SUPERIOR DARK CORNISH—Winners at Columbus, Lancaster, Chillicothe, Basil, Carroll. Pens score to 94. Eggs reasonable. C. Leitnaker, Basil, O. 2-4

DARK CORNISH—Winners Great Armory Show, Louisville, Ky. Great winter layers. Eggs all the time. L. B. Proal, Buechel, Ky. 2-4

CHAMPION DARK CORNISH. Mating list free. Have an unparalleled record of sweepstake winnings. Morris & Rearick, Drawer 24, Easton, Ind. 2-4

## ANDALUSIANS.

BLUE ANDALUSIANS. Fine stock. Eggs, \$1.50 per 15, \$2.50 per 30. Mrs. Jos. Kinzer, Ottawa, Ill. 4

BLUE ANDALUSIAN STOCK EGGS. Mrs. S. H. Brooks, Salem, Ind. 4

BLUE ANDALUSIANS. Best winter layers. Eggs, \$1.50 per 13. Geo. Gray, Collins, Ohio. 3-5

BLUE ANDALUSIANS. L. L. Faller, Newton, Ill. 3-5

BLUE ANDALUSIAN COCKERELS. \$3.00 and \$5.00. Eggs \$2.00 per 15. West Point Poultry Farm, Knoxville, Ill. 2-4

TAYLOR'S BLUE ANDALUSIANS—Unde-feated champions of America. Winners of blue ribbons, challenge cups, medals and specials at Pittsburg, Columbus, Mansfield, Ft. Wayne, Toledo and Tiffin. Eggs \$3.00 per 12; \$5.00 per 24, prepaid. Order from this Ad. or get a circular if you want it. L. C. Taylor, Gibsonburg, Ohio. 1-5

ANDALUSIANS—FIRST PRIZE at Hagers-town, Chicago, Baltimore, Allentown, Philadelphia, Washington, Richmond, etc. H. Council. Warrenton, Va. 12-4

## KLONDIKES.

WHITE KLONDIKE CHICKENS and Muscovy ducks. Send stamp for booklet. A. C. Sticht, Box 773, Missoula, Mont. 3-5

Klondikes! Fluffs! New breed of chickens that cannot fly. Good winter layers with valuable feathers. Free catalogue. Wm. R. Black, Bolivar, Ohio. 2-4

## DOMINIQUES.

DOMINIQUES, MONEY MAKERS. Eggs, \$2 per setting. Circular free. Robt. Blenis, Surprise, N. Y. 3-5

CARTER'S AMERICAN DOMINIQUES win everything as usual at Boston. Best lot of birds for sale I ever owned. See display ad on another page. A. Q. Carter, Box 1526, Freeport, Maine. 2-13-14

## TURKEYS.

THREE MAMMOTH BRONZE TURKEY hens and one fine tom for \$13. Eggs in season, eleven for \$4. Mr. Stoner, Louisville, Ohio. 4-6

BRONZE TURKEY EGGS for hatching from high-class stock, \$5 per setting; two settings, \$9; three settings, \$15. A 224-page poultry book free with each order for eggs. Shoemaker Poultry Farm, Box 605, Freeport, Ill. 3-5

MAMMOTH BRONZE TURKEYS. FISHEL strain. Prize winners head the flock. Eggs, \$2.50 per 13, \$5.00 for 30. Twenty years a successful breeder. Birds have farm range. M. H. Murray, Calamine, Wis. 4-6

MAMMOTH BRONZE TURKEY eggs. Toms, 46-97, 35-98. Hens over standard weight. Stock sired by prize winners at Kansas City, St. Louis shows, \$5.00 per 10. Satisfaction guaranteed. A. L. Ackerman, Rt. 6, Rich Hill, Mo. 3-5

LARGE WHITE HOLLAND TURKEYS; largest breeding flock in Indiana. 32-pound toms, 19-pound hens. Eggs, 13, \$2.50; 100, \$19.00. Circular free. J. C. Hodges, Waterloo, Ind. 3-5

GIANT BRONZE TURKEYS. Bred from first and second prize toms at Madison Square Garden, New York. Three grand pens headed by New York winners. Send for mating list. H. L. Fike, Box 4, Meyersdale, Pa. 3-4

WHITE HOLLAND TURKEYS. My breeders are all over standard weight. Eggs, \$3.00 for 10. W. A. Smith, Burnt Prairie, Ill. 3-5

BOURBON TURKEYS. Mrs. James Fleming, Vienna, Ill. 2-4

BOURBON REDS. \$10.00 up per trio. Vice Pres. Bourbon Red Club of America. N. R. Gullion, Sparta, Ky. 2-4

BRONZE TOMS—Yearlings, yarded, unused, \$10.00 each; pullets, \$5.00. John Hyde, New Syme, Ohio. 2-4

MY CHAMPION Bronze Turkeys and Barred Rocks win for my customers in 25 States. They win weigh, lay and pay. 52 lb. Tom Eggs for hatching. Ike Hudnal, Milan, Mo. 2-4

AMERICA'S LEADING WINNERS in Giant Bronze Turkeys and Partridge Plymouth Rocks. See our adv. on page 802. 2-11

BOURBON REDS—Eggs from my choicest hens mated to 1st old tom at Madison Square, 1913, \$10 per 11. From very nice hens mated to 1st young tom at Madison Square, 1913, \$5.00 per 11. Charles W. Jones, Holmdel, N. J. 3-5

## DUCKS.

ENGLISH PENCILED RUNNER EGGS \$3 per 50 straight from ducks that always lay white eggs. Everett Lyon, R. 7, Ann Arbor, Mich. 4-6

WHITE INDIAN RUNNERS with a record for four years of over 200 eggs per year from each duck. White egg strain. There are none better. Eggs, \$5.00 for 12, \$17.50 for 50 eggs, \$30.00 for 100. I guarantee 60% fertile to any point in America. Mrs. E. E. Young, Box 595, Rural Route No. 5, Los Angeles, Cal. 4-6

LARGEST DUCKS ON EARTH—Monarch Strain Pekin ducks are the largest. Every duck weighs over 10 lbs., every drake over 11 lbs. Nothing in this country will equal them. Eggs, \$5.00 for 12, \$17.50 for 50 eggs, \$30.00 for 100. 60% guaranteed fertile to any point in America. I have hundreds of satisfied customers in every State in the Union. These Monarch Strain ducks are the best mortgage lifters in existence. A few choice trios for sale, \$25.00 per trio. Keep this advertisement for future use. Mrs. E. E. Young, Box 595, Rural Route No. 5, Los Angeles, Cal. 4-6

AMERICAN STANDARD, English Penciled and Pure White Indian Runners; also Pekins. All white egg strains. Won 4 ribbons with five entries, Madison Square Garden, 1913. Eggs, \$1.00 up; ducklings, 20c each. W. R. Legron, Harvard Terrace, Toledo, O. 4-6

INDIAN RUNNER AND PEKIN DUCKS. Choice stock reasonable. Eggs of Runners, \$1.50 per 13, \$6.00 per 100. Pekins, \$1.50 per 11, \$6.00 per 100. August W. Schroeder, St. Peter, Ill. 4

FAWN AND WHITE INDIAN Runner Drakes. White egg strain. They will improve your flock. Two dollars each. Standard Poultry Farm, Boone, Iowa. 4

WHITE INDIAN RUNNER DUCKS. Prize winners. Eggs, \$2.00 per 12, \$4.00 per 25. Catalogue free. W. Albers, Lombard, Ill. 4-6

ENGLISH PENCILED ALSO WHITE Runners. White egg strains. Eggs and ducklings. Mrs. George W. Church, A-2, Townville, Pa. 4-6

FAWN AND WHITE and English Penciled Indian Runner Ducks. \$2.00 per 15 eggs or \$5.00 per 100. Buff Orpington ducks, the coming duck, \$2.00 per 12 eggs. W. F. Cassidy, Spencerville, Ohio. 4-6

RUNNERS—AMERICAN WHITES. Imported English, direct. Largest, handsomest flocks you've seen. Payers, outlaying hens. Eyeopener circulars. Write wants. Newell's Farm, Girard, Ill. 4-6



## DUCKS.

**RAHN QUALITY STRAIN** Buff Orpington Ducks. Fawn Buff color. Large size. White eggs. Free booklet. Mart Rahn, R. 20, Clarinda, Iowa. 4-6

**INDIAN RUNNER DUCKS**, Fawn and White. 13 eggs, \$1.00; 26, \$1.75; 100, \$6.00. Honey Creek Poultry Farm, Kahoka, Mo. 4

**WHITE RUNNER EGGS** from original "Spencer" strain, and from Chicago and New York blue ribbons. Beat our Corning White Leghorns, laying big white eggs. Twelve eggs, twenty-five; fifty, eight dollars; one hundred, thirteen dollars. Sent prepaid. Big White Egg Farm, Atwood, Ill. 4

**WHITE INDIAN RUNNERS**. Eggs from winners at Rockford, Belvidere, Monroe. Write for price. Fred Richter, 170 Grand St., Freeport, Ill. 4-6

**PURE SPENCER STRAIN** White Indian Runners. Best blood in America. Wonderful layers of large, pure white eggs. Stock and eggs. A. R. Williams, Route 4, Box W, Winchester, Ind. 4-5

**GENUINE IMPORTED AND NATIVE** Runners. English, American and White stock. Eggs. Ducklings. Highest quality, prices reasonable. Catalogue. M. L. Beebe, Chatham, N. Y. 4

**BOOK ON INDIAN RUNNERS**. Invaluable instructions on mating, incubating, feeding, rearing and increasing egg production; price, 50 cents. B. B. Hatchery, Chatham, N. Y. 4

**GENUINE WILD MALLARD**. Most beautiful duck on earth. Splendid layers. Eggs, \$2 per 13; \$3.50 per 26. Also White Runners. Louis Vinck, Royal-Centre, Ind. 4-6

**WHITE RUNNERS** AND S. C. W. LEGHORNS—See display ad, on page 666. For sale, incubators, bone and clover cutters. Have installed mammoth machines. Jas. R. Snyder, Frazer, Mo. 6-12-1yr

**INDIAN RUNNER DUCK EGGS** 10c each. Wm. Longmore, Burlington, Wis. 4-6

**FAWN AND WHITE** Indian Runner duck eggs from exhibition stock, \$2.00 per 12. John Piepergerdes, Stewartsville, Mo. 3-5

**GENUINE IMPORTED ENGLISH** Walton Runners. Penciled and pure white. Blue ribbon winners. Eggs for hatching. J. P. Harper, Geneva, Ohio. 3-5

**BUFF ORPINGTON DUCK EGGS**, white, fertility guaranteed. Order early. Write for our free duck booklet and 1913 mating list. Now is the time to order eggs from this great money-making duck. Write today to Chas. Frank, Box 486, Memphis, Tenn. 3-5

**INDIAN RUNNERS**, penciled, splendid layers. White eggs, \$1.00 doz. Lida Martin, Ripley, Ohio. 3-5

**MAMMOTH PEKIN DUCKS**. Winners. Also Indian Runners. White egg strain. Eggs for hatching, booking orders for spring delivery, order early. I. B. Trimmer, Califon, N. J. 3-5

**FAWN INDIAN RUNNER DUCK** eggs, \$5.00 per 100. Single Comb Rhode Island hen eggs \$2.00 per 15. Write your wants. Riverside Poultry Farm, Woodburn, Ind. 3-5

**ENGLISH RUNNERS**. Whitest of eggs. Des Moines winners. Mrs. Ada Bereiter, Brighton, Iowa. 3-5

**OUR 280 WHITE EGG STRAIN** Indian Runners won all firsts at Chicago, Iowa State Fair and Des Moines. Eggs, \$2. F. L. Reinhardt, Ottumwa, Iowa. 3-5

**BUFF ORPINGTON DUCKS**, Cleveland winners. Eggs, \$4 for 12. W. E. Brinker, Wellsburg, W. Va. 3-5

**FAWN AND WHITE RUNNERS**. White egg strain, \$1.00 per 13 eggs. Sparling Sisters, Garden Grove, Iowa. 3-5

**EGGS FOR SALE** from winning White Runners and Rouen Ducks, African Geese, Rose Comb Brown Leghorns and Black Hamburgs. H. H. Haskins, Wakarusa, Ohio. 3-5

**INDIAN RUNNER DUCKS**, Fawn and White. White egg strain. For delivered prices on eggs address Malby O. Eddleman, Dongola, Ill. 3-5

**BUFF ORPINGTON DUCK EGGS**, \$1.50 per 15, \$4.50 per 50. Alex J. Fix, Monroe, Mich. 3-5

**WHITE RUNNERS**. Prolific layers of large white eggs, \$1.50 per 12 eggs. Ernest Koontz, Wharton, Ohio. 3-5

**EGGS—STANDARD RUNNERS**, Buff Orpington Ducks, silver cup winners. Nelson's, Grove City, Pa. 3-5

**WHITE INDIAN RUNNERS**. Fishel's strain. Eggs, \$2.50 per 12. Stock all sold. Thomas Brogden, Rush Lake, Wis. 3-4

**MY ROUEHS HEADED** by second drake Illinois State Fair. My fawn and white Runners won 3 firsts, 3 seconds on 6 birds in class of 20. J. C. Robertson, Galion, Ohio. 3-5

**INDIAN RUNNER DUCKS** that lay are the kind that pay. I have them. Correspondence invited. W. W. Terry, Bentonville, Ark. 3-5

**INDIAN RUNNER DUCKS**—American and English white egg strain. Get 1913 mating list, 15 eggs, \$1.20 to \$4.00. W. E. Forman, Linneus, Mo. 2-5

**WHITE INDIAN RUNNER DUCKS**—Stock and eggs from high class birds. Mrs. L. R. Colton, R. 4, Aurora, Ill. 3-4

**WHITE INDIAN RUNNERS**—With upright, racy carriage; prize winners; great layers. Large white eggs, 13, \$3.00; 100, \$18.00. Circular free. B. F. Morgan, Independence, Ind. 2-5

**BUFF ORPINGTON DUCK** eggs, Swain strain, \$3.00 and \$5.00 per 12. White Wyandottes, \$1.00; White and Buff Orpingtons, \$1.50 per 15. Mrs. John Brown, Concord, Mich. 3-5

**"FAWN AND WHITE"** Runners. White eggs. Indianapolis, 1912, 2nd cock, 1st hen, 3rd cockerel, 5th pullet, 1st pen. Fifteen eggs, \$1; 50, \$3; 100, \$5. James Pearcey, Martinsville, Ind. 3-5

**WHITE INDIAN RUNNERS**. My breeders are from leading strain, have fine shape and carriage. Limited number settings, \$5 per 15 eggs. Ducklings from these eggs top-notchers. Jacob Heckman, Kingston, Ill. 3-4

**WHITE INDIAN RUNNERS**, correct type and color. Eggs, \$3.00 per 12, \$10 per 50, \$18 per 100. Mrs. A. M. Grinder, Mount Horeb, Wis. 3-5

**CUMBERLAND PENCILED RUNNERS**. Guaranteed white egg strain. Best eggs, \$3 per thirteen. Earl E. Hopkins, Townville, Pa. 3-5

**WHITE EGGS FROM** White Runners of quality, \$2.00 per 13. J. W. Grier, Coldwater, Ohio. 3-5

**COOK'S FAWN INDIAN Runners**. Easily America's best. Stock reasonable. Eggs, 12, \$5. Circular expert information and postcard ten cents. Irving E. Cook, Munnsville, N. Y. 3-8

**INDIAN RUNNER DUCKS**, Fawn and White. Direct from Hershberger's Special Pen white egg strain. Powerful heavy layers, 90% fertility. Safe delivery guaranteed. One setting, \$2.00; three settings, \$5.00; 100 eggs, \$10.00. C. J. Yoder, Grantsville, Md. 6-12-1yr

**WHITE INDIAN RUNNER DUCKS**. Eggs from pen direct from Fishel, \$5 setting. Sunflower Poultry Yards, Grafton, Ill. 3-4

**PEKIN AND WHITE INDIAN Runner Ducks** bred from Ill. State Fair winners. Eggs, \$2.00 setting. Fertility guaranteed. Maple Grove Farm, Route 9, Decatur, Ill. 3-5

**IMPERIAL PEKIN DUCKS**—continual layers. Eggs, 10c each; \$5 per hundred. White "Pigmy" Bantams, 50c per setting. Lena E. McKay, Macon, Mo. 3-5

**MAMMOTH PEKIN DUCKS**. We have shape, size and quality. None better. Eggs, per 14, \$1.25; 22, \$2.00. R. Hendricks, Washburn, Ill. 3-5

**BUY YOUR RUNNER** eggs for hatching from stock that laid continuously for ten months. Eggs, \$1.00 per 15. Ernest Koontz, Wharton, Ohio. 3-5

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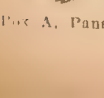
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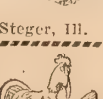
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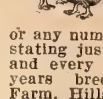
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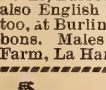
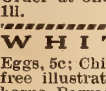
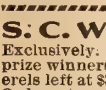
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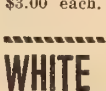
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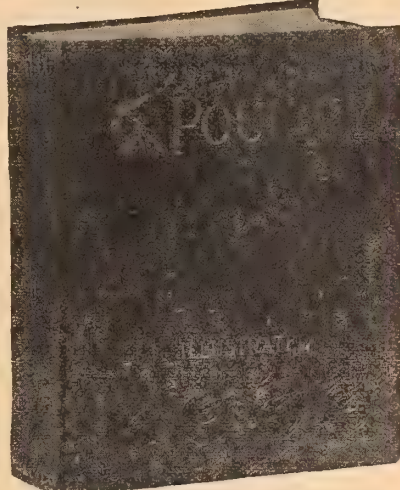
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Gentlemen:—I send you herewith 50c, for which kindly send me, carriage prepaid, one copy of Lewis Wright's "New Book of Poultry." It is understood I may examine this work five days, and if I do not wish to keep it I agree to notify you and hold subject to your order, and you are to refund my money. If I decide to keep it I agree to pay the balance of \$3 in monthly installments of \$1 each until settled in full.

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American Poultry Journal, 542 So. Dearborn St., Chicago



# DON'T KILL THE LAYING HEN



**T**HE HEN that lays is the hen that pays. Hundreds of thousands of hens are killed each year that are in full laying condition, while an equal number are kept in the flock that never have or never will lay an egg, or at best will lay only a very limited number. All this may be avoided if everybody would use the Potter System of telling the layers from the non-layers.

## Cull Out the 'Drones and Save on Feed

Why should the poultry breeder go on wasting feed by feeding a lot of hens that do not produce enough eggs in an entire year to pay for their feed for one week, when it can be avoided by learning the Potter method of telling to an absolute certainty just which hens are the producers and which are the drones in the flock?

If you know the Potter System you can reduce the size of your flock and save money on your feed bill, and at the same time secure just as many eggs at from one-third to one-half the cost. Is not this worth considering?

The Potter System is the only reliable system on this subject, and anyone can learn it in an hour's time, and we guarantee that anyone with a little practice can go among a flock of fowls and pick out the layers as rapidly as the birds can be handled. We have thousands of unsolicited testimonials from people who have purchased our book "Don't Kill the Laying Hen" and learned how to pick the layers and who consider the book worth many times the cost. Read what a few of them have to say:

## TESTIMONIALS

3095 W. 100th, Cleveland, Ohio.

Gentlemen:—Having received one of your books regarding the laying hen, I am pleased to say that it has done a great deal for me and would not part with it for many times what it cost if another could not be had. Yours truly, JOHN VAN SCHOER.

304 Grand Allee, Quebec, Canada.

Gentlemen:—I received your book "Don't Kill the Laying Hen" some time ago. I am very much pleased with it and think it the best book I have ever read and would not be without it for any amount you would ask for it, and think every person that keeps fowls should have a copy. Yours truly, ED. ARCHER.

Wellsville, N. Y.

Gentlemen:—I received your book on "Don't Kill the Laying Hen." Will say that it is all you claim it to be and that it is no fraud. I went out to the hen house last night and tried the test. It worked to perfection. I predicted that a few hens would lay the next day, and sure enough some of them have laid. Very truly yours, WM. H. LEO.

Jutland, N. J.

Gentlemen:—Yours at hand and am glad that you have notified me of your new book of the system of selecting laying hens. Your old book has saved me many a dollar on feed bill, besides giving me more room for the layers. I would not be without this book for any money and am glad you have added more to it. Yours truly, M. V. TAYLOR.

977 Wilcox Ave., Chicago, Ill.

Gentlemen:—I must say your book "Don't Kill the Laying Hen" is valuable to any poultry keeper; it is worth its weight in gold and your system reliable in every way. I am more than pleased with it. I have told some of my friends about the system and they got the book and are pleased with it. Yours truly, JOHN MOYER.

Box 105, R. R. No. 1, Charlestown, Ind.

Gentlemen:—I am ashamed that I have allowed almost two years to pass without writing you how thoroughly I endorse and value your book "Don't Kill the Laying Hen." The only thing I don't like is I can't tell my poultry friends all it has taught me. I would not be without it for many times its cost. We frequently ship fifty or sixty hens and get as many eggs as before, showing we had not shipped laying hens. It saves me a trip to the poultry house at night to know which are broody hens. At feeding time I examine all hens on the nest and shut up the broody hens. Yours very truly, MRS. B. R. McCONNELL.

Deer Creek, Okla.

Gentlemen:—Your letter and circulars to hand and contents noted. Yes, the best I can do is to have the new book "Don't Kill Biddie." It has made me one hundred and ninety dollars and still making more, and only a few chickens, from 70 down to 44 now. I'm running two machines and selling enough to support me and living like Queen Victoria. Yours truly, G. W. NORMAN.

Tucson, Ariz.

Gentlemen:—Your book in regard to the laying hen received. It is well worth the price. Anyone owning a small flock of chickens ought to have one. Yours truly, J. A. GORDON.

614 Boos St., Harrisburg, Pa.

Gentlemen:—I received your book on "Don't Kill the Laying Hen" and must say it is all it is claimed to be and more. Yours truly, GEORGE J. GRIFFEE.

Lincoln, Kansas.

Gentlemen:—Your book "Don't Kill the Laying Hen" is just the thing for a poultryman. I don't see how I got along without it. I would not part with the knowledge gained from it. Yours truly, MRS. IDA MEIER.



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is just off the press. Revised and improved to such an extent that it is now without question the **greatest book** of its kind ever published. This book contains 96 pages, (6½x9 inches) and 38 illustrations; printed on super-calendered paper, bound in two kinds of binding-paper and cloth. Will make a very valuable addition to any poultryman's library. In fact, no one who raises poultry, no matter how many or how few, can afford to be without a copy of this great book. The secret this book contains is worth many dollars to anyone.

**More than 100,000 copies** of this book have been sold during the past few years, which in itself is conclusive evidence of the value of this book. When ordering a copy of this book you must promise not to reveal the secret to anyone except the immediate members of your family. The secrets it contains cannot be obtained from any other source. Everyone who receives this book is pledged not to reveal them to others. Therefore, it is to your interest to obtain a copy of this book at once and become a member of Potter's great "secret" family, stop killing the laying hen, thereby greatly increasing your poultry profits.

The Potter System of telling the laying hen has stood the test of time. It has been advertised in these columns for the past eight years, and during that time thousands of copies of the book have been sold and thousands of poultrymen all over the country have been enabled to turn loss into profit and thousands more can do the same thing if they will take advantage of the following offer:

## How to Get the Great Potter System

Realizing the great importance of this system to all poultry breeders the American Poultry Journal Publishing Co. has secured the exclusive right to print and sell this great work, and the benefits to be derived from system will be given to American Poultry Journal subscribers only.

## OUR GREAT OFFER

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**Don't Kill the Laying Hen (Paper Cover) } BOTH FOR  
American Poultry Journal, one year . . } \$1.30**

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## A History of Eight Non-Laying Bob-Tailed Hens and One That Was Not Bobbed

Including valuable scientific facts regarding molting. A supplement to "Don't Kill the Laying Hen." This supplement gives the story of One Hen that was not bobbed; the story of the first four non-laying bobtailed hens; the other four non-laying bobtails; how hens having red combs are deceiving; forced molting bad business; how the laying season may be extended and many more eggs obtained, or why hens having good laying organs stop laying early in the season, and much other valuable information which is worth far more to the average breeder than the small price we are asking.

If after a careful study and trial of the system you find that we have misrepresented this system in any particular, money will be cheerfully refunded. We have given this system a thorough investigation and know whereof we speak. If you are already a subscriber to A. P. J., we will extend your subscription one year from its present expiration. Send all orders to

**AMERICAN POULTRY JOURNAL PUB. CO.**  
**542 SOUTH DEARBORN STREET : : CHICAGO, ILLINOIS**





First Prize Partridge Rock Cock 1  
Madison Square Garden, N. Y., 1911

## BIRD'S PARTRIDGE ROCKS

WON ALL FIRSTS AND SPECIALS AT MADIS'N SQ. GARDEN JAN. 1913

This remarkable record, with their decisive victories at New York, 1910-11, and Hagerstown, 1911-12, gives them a grand total of 21 of the 23 firsts competed for, and stamps them as America's undisputed champions. Their utility is equal to their beauty. The greatest prize winners and best breeders for you. Write your wants. Catalog and mating list for stamp. Eggs in season.

## BRONZE TURKEYS

WON ALL FIRSTS AT HAGERSTOWN, 1912, AND MADISON SQUARE GARDEN, N. Y., 1913

Making a grand total of 21 of the 24 firsts at 6 great shows in 1910-11-12-13. If interested in the World's Best Bronze write your wants. We will please you at right prices with the best exhibition and breeding birds ever offered.

Madison Square Garden, New York, 1913. Our seventh consecutive year of winnings at this great show again surpasses all former records by taking all four first prizes and three second prizes, Display prize and all specials. Write your wants. Catalog and mating list for stamp. Eggs in season.

BIRD BROS. : : BOX C : : MEYERSDALE, PENNSYLVANIA

## THE DRONES

Must hustle or starve if you use a Simplicity Feeder. Saves cost in thirty days. Simplex Supply House, Pontiac Building, Chicago, Illinois.



First Prize Bronze Turkey Cocker  
Madison Square Garden, N. Y., 1911

## STILL INVINCIBLE HEWES FARM BLACK LANGSHANS

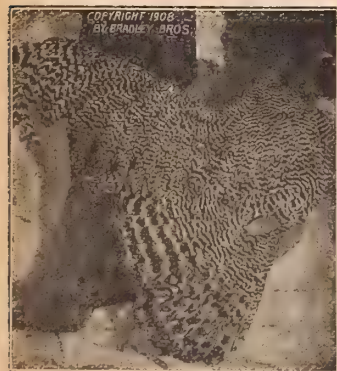
Win at the great Chicago show, Dec., 1912, 1st, 2d and 4th cock; 1st and 3d cockerels; 2d and 3d hen; 2d and 3d pullet; 1st pen and silver cup for best display, offered by the National Black Langshan Club of America. Every 1st on males for 5 years at Chicago. Black Langshans stood 2d as the greatest average year layers at the Missouri Egg Laying Contest. Send 10 cents for catalogue.

R. A. HEWES :: SO. MAIN ST. :: CRETE, ILL.

# Barred Plymouth Rocks

## Are Known for Their Long Continued First Prize Record at Madison Square Garden Shows

BRADLEY BROS.  
LEE, MASSACHUSETTS



World's Champion of 1906  
Our \$2,000 Male

Winner of First Prize and Sweepstakes Special at New York's Greatest Barred Plymouth Rock show, nearly 500 line. Sons were Winners in several shows, including New York and Boston.

Brother to the Sire of our Best Pullet in our First Prize Pen at Madison Square Garden one year ago; two Sons of First Prize Pen Pullet same show; Sons of one of our Best Prize Winning Hens in the open class (we bred and raised all our first prize pen pullets here on our own place); Cockerel brother to three Blue Ribbon Pullets and sired by sons of First International Show Hen; Son of First Winning Hen at one of the Largest early shows. His sire was our best pullet the year she was raised. If we use any others they will be of similar merits and pedigree. The females in these pens include a Number of Winners at New York and Boston bred and raised by us.

Stock for Sale the Year Around—All grades. Prices According to Merits. Our Breeders For Sale after May 15. Circular Free.

BRADLEY BROS. Box 909 LEE, MASS.

For 24 years Our Strain, including Birds we Bred and Raised Shown by Customers, has held the lead by Winning as many First Prizes on Cockerels as any Exhibitor; Also More First Prizes on Breeding Pens; 11% More First Prizes on Males; 66 2/3% More First Prizes on Cock Birds than any other exhibitor has won on Any stock during that time.

☛ We have The Best Lot of Breeders We Ever Owned. ☛

EGGS FOR HATCHING FROM BEST PENS: \$10.00 per 12; \$20.00 per 26; \$25.00 per 33; \$67.00 Per 100. THESE WILL PRODUCE WINNERS FOR OUR CUSTOMERS.

Orders should be received at once. Only a limited number of Eggs for sale this season. Memoranda concerning the Matings furnished with each lot sent out and we will take pains to give each customer his money's worth. We take pride in building up our trade through the character of the stock and eggs we ship. Testimonials from our customers prove this. Our eggs produce Winners and Birds we ship suitably used breed Winners.

### 1913 Breeding Males

### Cockerel Breeders

First and Second Prize Pen Males at Madison Square Garden one year ago; Sons descended from "World's Champion '06"; Fourth Cockerel same show, His Brother; Sons of Full Sister to First Madison Square Garden Cock Bird at a recent show, bred and raised by us; Cock Bird slightly inbred to him (had 52 dark bars on the feather); two Grandsons bred by us; one Brother which bred some of our finest cockerels; 2nd Cock Bird at Madison Square Garden one year ago; 2 Grandsons of Second Cockerel at a recent Boston show; "Champion Line Cockerels," bred from sisters to a First Boston Cockerel bred and raised by us. Also a few others of like and similar merit. EVERY PEN A STRONG PRODUCING PEN. The Females in these pens are nearly all sired by or sisters to or descended from Winners and First Winners at Madison Square Garden Shows.

### Pullet Pens are Headed by



# CARVER'S RED FARM

We are not showing this season, but our customers are, and report big winnings everywhere and in the largest shows. These reports, together with our big winnings the past year, stamp **Queen Quality Reds** the blue ribbon strain. Our old live and let live prices for hatching-eggs from our special matings so popular last season will be maintained. We have a pleasant surprise for our egg customers this season—Eggs will go forward in the finest shipsafe made, and by **Parcels Post** or Express, as requested.

**A. A. CARVER : LOCK BOX 2 : SEVILLE, OHIO**

## BARRED ROCKS-WHITE WYANDOTTES-SINGLE COMB REDS

**Woodview Strain Canada's Favorite Line**  
**Winners at Canada's and America's Best Shows**

**Guelph, Ont., Dec., 1912.** Canada's greatest exhibition. In Barred Rocks, 300 birds competing, we won cocks, 1-2-6; hens, 1-4; cockerels, 2-5; pullets, 1-4 Wyandottes: cock, 1st, etc. Reds: cockerels, 5th; pullets, 1st, etc. Several specials. My 1st pullet was pronounced the best female ever shown in Canada.

**Detroit, Mich., 1913.** Barred Rocks: Cock, 1-3-4; cockerels, 1-5; pullets, 1; cockerel mating pen, 1st; color and shape special males, etc. My birds have won for several years at Guelph, Toronto, Ottawa, etc.

**Special Sale** Barred Rock and Wyandotte cockerels, trios and pens properly mated, birds of quality in shape and color, extra values, at exceptional prices for best possible breeding and practical quality.

**Eggs for Hatching** from selected matings. My mating list for the asking. Write me your wants for **Sturdy Stock**.

**Jno. Pringle**

**London, Ont.**

## HICKSON'S BARRED PLYMOUTH ROCKS

**WIN AT THE NATIONAL CLUB SHOW -:- CHARLOTTE, NORTH CAROLINA, 1913**

The greatest record ever made at any **Club Show** was won by my birds January 10-14, 1913, at the Barred Rock Club annual meeting show in a sensational class of quality, the largest and best ever had in the South. I won Cocks, 1, 3; Hens, 1, 2, 3, 5; Cockerel, 1st; Pullets, 2, 4, 8; Pen, 2d; Pullet Bred Cockerel, 3d; Cockerel Bred hen, 1st, and more points than all others combined. My **First Prize Cockerel** also won Special for color, Special for best cockerel in the American class, and the **Sweepstake Special** for best male bird in the show. This line has been bred for nearly 20 years, and for years has won at the **Virginia State Fair** and other leading shows of the South, proving them of the richest quality and producing lines. Stock for sale. Eggs for hatching, \$5 per setting from my choicest matings. Circular free. Write me your wants. Absolute satisfaction assured. Mention **American Poultry Journal**.

**M. B. HICKSON -:- BOX 4 -:- LYNCHBURG, VIRGINIA**



## THE 1912 REVISED EDITION OF THE AMERICAN STANDARD OF PERFECTION

The only American authority on the required characteristics of all breeds and varieties of chickens, ducks, turkeys and geese. You cannot raise, mate, exhibit or sell fowls intelligently without it.

**This Great Book** was revised this year (1912) and gives the correct

Standard shape, color and weight of every recognized variety of chickens, ducks, turkeys and geese, as well as the disqualifications of each variety. The book contains 332 pages of descriptive matter and ideal illustrations of the different varieties of fowls, photographed from living models. Also

### Five Full-Page Illustrations of Feathers in Natural Colors

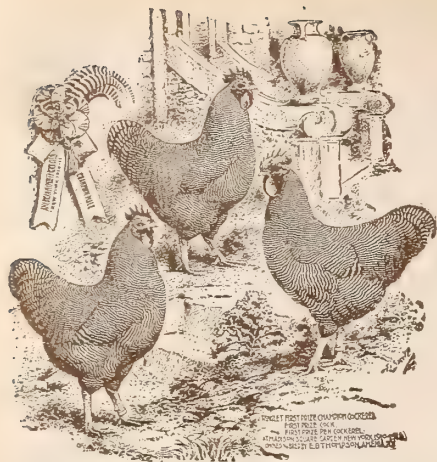
to guide the breeder in getting the correct color of plumage on his birds. No one can breed birds of any variety for exhibition without a copy of the **American Standard of Perfection** as a guide, and it is the only book of its kind published in this country. It is authorized, copyrighted and published by the **American Poultry Association**. Price postpaid, cloth, \$2; leather, \$2.50.

### OUR SPECIAL MONEY-SAVING OFFER

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**American Poultry Journal Pub. Co., 542 So. Dearborn St., Chicago, Ill.**





"Ringlet," 1st Prize and Champion Cockerel, 1st Prize Cock and 1st Prize Pen Cockerel at Madison Square Garden, New York, Winter 1910-1911.

The Three Greatest Living Barred Rock Males

# E. B. Thompson's Imperial Ringlet Barred Plymouth Rocks

Win the most wonderful record beyond all precedent in Barred Rock history at the imperial and most classic show of all America—Madison Square Garden, New York—this winter of 1913. See pages 713 and 714 for this unprecedented achievement unequalled in the annals of Madison Square Garden history.

My Imperial "Ringlets" won more first, regular and special prizes than any exhibitor of any breed.

To produce the first prize cockerel and champion male and first prize pullet and champion female in a single year, and win the two greatest prizes in the world at one New York Show has never before been accomplished by any living Barred Rock breeder.

A prominent eastern breeder said: "Mr. Thompson, I will give you \$1,000 for your first prize cockerel"—\$5,000 would not buy him.

Theodore Hewes, the judge and editor, said: "No Barred Rock breeder ever saw such a cockerel nor did they think any such a bird could ever be produced."

## My Whole Exhibit Wore the Distinctive "Ringlet" Barring

For 25 years at New York my "Ringlet" victories have been complete; my clean sweep of 1st, 2d, 3d, 4th and 5th prizes on pullets has never been approached in Madison Square Garden and stands alone and unequalled.

The Imperial "Ringlets" are the standard by which all other Barred Rocks are judged. To meet success in winning prizes you must have my birds and eggs.

I will sell you grand exhibition birds for any show and breeders of this richest first prize New York blood.

Richly illustrated 70-page catalogue upon request, it is full of original pictures of New York winners from life.

**Eggs** From the finest exhibition matings in all the world, \$10.00 per setting; four settings, \$35.00 one hundred eggs, \$60.00.

See My  
Other Ads

: : E. B. Thompson Lock Box 510, Amenia, New York

# A. C. HAWKINS' ROYAL BLUE BARRED ROCKS SWEEPSTAKES CHAMPIONS AT New York, Boston and Chicago



"ROYAL BLUE" First Prize Sweepstakes Champion Cockerel at New York

They have produced the winners at the World's Greatest Shows for 25 years, and at the Great New York Show, 1911-1912, made a **WORLD'S RECORD**, winning six out of eight prizes awarded on Barred Rock Cockerels, including First Prize and Sweepstakes Silver Cup for Best Cockerel, and Grand Special Prize for Best Cockerel Mated Pen.

AT CHICAGO, Dec., 1912, in a class of over 400 Barred Rocks they won Four First Prizes and the **GRAND SWEEPSTAKES CHAMPIONSHIP \$100.00 CUP** for the Best Display of Barred Rocks. My White Rocks and Columbian Wyandottes have won more prizes at New York and Boston than any other strain and have no superiors.

**2000 CHOICE EXHIBITION AND BREEDING BIRDS** for sale at honest prices. Finely illustrated Catalog of the World's Champions Free.

**A. C. HAWKINS**  
LOCK BOX 25, LANCASTER, MASS.

## EGGS

FROM THE  
"ALL STAR" Matings

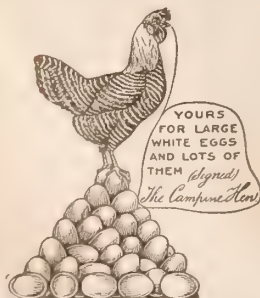
1 Setting	- -	\$10.00
2 Settings	- -	18.00
3 Settings	- -	25.00
100 EGGS	- -	50.00

BARRED ROCKS  
WHITE ROCKS  
COLUMBIAN WYANDOTTES  
There Are None Better.

## CAMPINEOLOGY—Second Edition

"Story of the Living Egg Machines" and what it contains. CHAPTER NO. 1—Greeting, a chapter that will set the poultry world thinking. CHAPTER NO. 2—History of the Campine fowl, ancient and modern. CHAPTER NO. 3—Description and characteristics of Campines in detail. CHAPTER NO. 4—The Campine fowl as I have found them, giving the reasons in full why I do after over twenty years of breeding and experimenting with many varieties recognized by the American Standard, now recommend and breed exclusively Campines and call them "Living Egg Machines." CHAPTER NO. 5—How to select and mate the Campine fowl. CHAPTER NO. 6—Tells you all about the IMPROVED CHAMPION STRAIN or in other words the original exhibition strain and the greatest utility fowl in the world. CHAPTER NO. 7—Prices of stock and eggs for hatching, also my way of doing business which guarantees entire satisfaction to every customer, and a number of bouquets that I have received during the past season. Now besides the above seven interesting chapters it contains two beautiful colored plates, each being a work of art, as well as a number of classy illustrations. Ten cents to pay postage will be appreciated.

J. Fred N. Kennedy : : Box F : : Birch Cliff, Ontario, Canada



Kennedy's Improved  
Champion Strain of  
Silver and Golden

## Campines

The fowl with a character all their own



VOL. 44

MAY, 1913

NO. 5

# AMERICAN POULTRY JOURNAL

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# Does This Look Good to You?



**\$3.00 Hen That Lays \$21.27  
in Eggs in One Year.**



## Sheppard's Famous Anconas

Have won first at the world's greatest shows, including London, England, Cleveland and Madison Square Garden, N. Y. For 7 consecutive years my birds have won three times as many 1st and 2d prizes at the Nation's greatest shows as all my competitors together, (including the late shows) so have earned the distinction of being

### THE WORLD'S BEST

They are famous egg machines and the greatest Winter layers, with the wonderful egg record of

### 256 Average For a Flock

If you want to win at your show or increase egg production, write for catalog. Eggs, Baby Chicks or Stock. Single and Rose Comb.

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PRESIDENT INTERNATIONAL ANCONA CLUB

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**All Eggs During April, 10% DISCOUNT from Mating List Prices**

We are producing 30,000 Eggs per month. Send for Mating List. You will make no mistake in ordering Eggs or Birds.

**W. W. DARLEY, PROP. HARMON BRADSHAW, Superintendent NORTHFIELD, OHIO**

The Greatest Leghorn Sire in The Middle West



Beau Brummel, 1st Prize Pen. New York, 1911

## "The Frost White Strain"

### S. C. White Leghorns Win Again

At the World's Greatest Poultry Shows  
NEW YORK, 1911. CHICAGO, 1912.

Unsurpassed As Layers of Large White Eggs

For Sale. { Eggs for Hatching \$1.50 and  
Reasonable Prices { upward. Day-Old Chicks.  
100 Surplus Cockerels.

**Write For Free Catalogue**

It Contains { Prices of Eggs  
List of Matings  
Description of Stock

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[References: The American Trust Co., South Bend, Ind.]



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## BLACK ORPINGTONS -- J. T. ADAIR'S

"Big Four Winners"—Chicago, Indianapolis, Louisville and Cincinnati. Awarded three championships, two displays and 37 ribbons—none lower than 3d—at the above shows, and after years of effort we are at last rewarded and are now offering at Live and Let Live prices REAL Black Orpingtons. **GET BUSY! Stock and Eggs Ready for Business!** A card brings our new catalog and mating list of our offerings.

J. T. ADAIR

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MILLERSBURG, BOURBON CO., KENTUCKY



TECKTONIUS' WORLD-BEATER BUFF LEGHORNS

### Special Reduced Prices on 1913 Settings

Single Comb Buff Eggs—(Effective May 15)—\$15 settings \$8, \$10 settings \$6, \$5 settings \$3; free range—\$1.25 per setting, \$6 per hundred. Rose Comb Buff Eggs—(Effective May 15th)—One pen only, \$25 setting \$15. All breeders, now mated, for sale after June 15th. No reduced prices on baby chicks. The Celebrated Tecktonius Strain—the regal birds that hold the world's record for "clean-ups" at all the big international poultry events of the past six years.

These peerless blue ribbons carried away practically all first, second, third, fourth and fifth prizes, besides cups and specials—at the Chicago shows, and won out big at all the big shows in New York, Boston, Providence, Baltimore, Pittsburgh, Cincinnati, Columbus, Nashville, Little Rock, Dallas, Houston, Galveston, New Orleans, Des Moines, Minneapolis, Spokane, Regina, (Sask.) etc. National Poultry Association reports 252 egg yearly average, absolute freedom from sickness, highest fertility and strong, quick-growing chicks. As a "utility bird," Tecktonius Strain of Buff Leghorns stands unrivaled. All settings offered at above reduced prices are trapped from my prize winning stock. Order quick—and "cop" the "long green," from your poultry, next year. Get Tecktonius' catalogue and mating list—and be "chicken wise." Catalogue 25c and mating list free.

F. A. TECKTONIUS

:- ROUTE 7

:- RACINE, WISCONSIN



### Harrison's Royal Red S.C. Reds

#### Keep Winning

After winning the greatest number of points ever made at Chicago on special best display, December, 1912 (note the date), the total being 87, or, in other words, more than any other exhibitor ever won at this colossal show, AND WINNING IN EACH ONE OF THE SIX DIFFERENT CLASSES, A FEAT THAT HAS NEVER BEFORE BEEN ACCOMPLISHED BY ANY RED BREEDER, their winnings being numerated thus: 1st, 3d and 4th Cock; 2d and 3d Hen; 1st, 2d and 3d Pullet; 4th Cockerel; 1st and 2d Old Pen and 1st Young Pen. They go to Indianapolis AND MAKE THE GREATEST VICTORY EVER MADE ON R. I. REDS.

Royal Reds win 1st, 2d, 3d, 4th and 5th Cock; 1st, 2d, 3d and 4th Hen; 1st, 2d, 3d and 5th Cockerel; 1st, 2d, 3d, 4th and 5th Pullet; 1st, 2d, 3d, 4th and 5th Old Pen; 1st, 2d and 3d Young Pen and the ONE HUNDRED DOLLAR CHALLENGE CUP OFFERED BY THE ASSOCIATION FOR BEST DISPLAY.

ROYAL REDS won a total of 167 points on best display, while the combined amount of all competitors was but 11 points.

NOTE:—I recently made the purchase of 1st and 2d Chicago Cockerels from Mr. Ricksecker and now have in my yards every first prize winning male at Chicago, 1912.

My special inducement on eggs gives you an opportunity to secure them at less than half the price you have paid for this quality other years.

My free catalogue describes the best matings ever put together and explains the egg inducement. Free for the asking.

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## ORPINGTONS!

BLACK  
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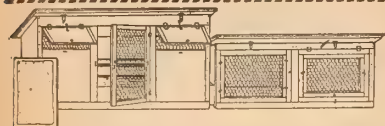
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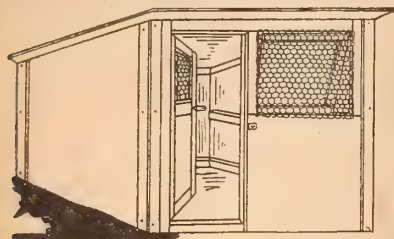
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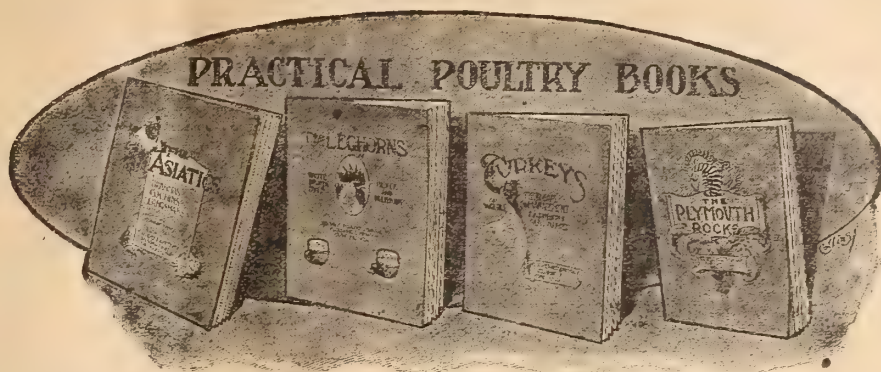
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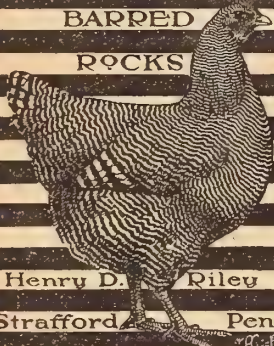
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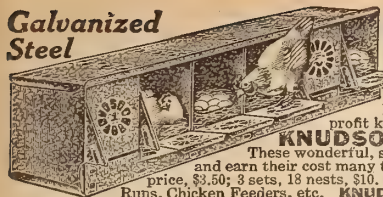
**THE  
FINEST  
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EVER  
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## Lice-Proof Nests

## HAPPY HENS EARN BIG PROFITS

Keep your hens happy and laying by keeping them free from profit killing lice and mites. Equip your laying houses with

## KNUDSON Galvanized Steel LICE PROOF NESTS

These wonderful, sanitary, patented nests can't get out of order, last a life time and earn their cost many times over. Regular price, \$3.50, set 6 nests—special introductory price, \$3.50; 3 sets, 18 nests, \$10. Write for our free catalog, Galvanized Steel Brood Coops with Runs, Chicken Feeders, etc. KNUDSON MANUFACTURING CO., Box 470, ST. JOSEPH, MO.

LICE ROB YOUR HENS OF VITALITY  
THEY ROB YOU OF EGGS

## DR. LEGEAR'S LICE KILLER

is an excellent and perfectly safe remedy for the killing of lice, mites, and all vermin on poultry and all live stock. It is a fine powder, put up in large niting-top cans, and is very easily applied. To use it on poultry, catch the bird by the feet with the head downwards and sprinkle it freely into the feathers, especially under the wings and about the vent.

Large Cans 25c at Druggists and Dealers everywhere. We are sole manufacturers of Dr. LeGear's Famous Stock and Poultry Remedies. Send for Stock and Poultry Book—its free.

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Poultry Culture

For the Novice and the Expert—the Amateur and Professional

**T**HIS COURSE is used by a number of Agricultural Colleges. Many poultrymen have paid \$20 for it by mail. It is one of the most thorough and practical courses ever devised.

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## HIGH SCORING WHITE ROCKS

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## Eggs From Full Blood Stock Eggs

26 White or Brown Leghorn Eggs	\$1.50
13 Barred or White Plymouth Rock Eggs	1.00
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JEFFERSON'S  
White Runners

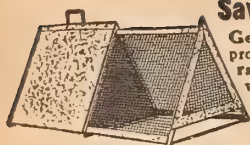
Win where quality counts—never defeated. At the greatest show held at Madison Square Garden, Dec., 1911, our ducks controlled the highest winnings. Our winnings include 1st cockerel, 1st pen, second pullet.

At Southern International Show, Atlanta, Ga., Dec. 16-21, 1912, our Madison Square Garden 1st cockerel won first cock. Also won 1st cock at Savannah, Ga., Nov., 1912. This winning cock is without doubt the greatest white runner in America. He heads our all-prize pen this season. These great ducks, together with our other prize winners, place Jefferson's White Runners far in the lead. Our string of winnings at Chicago, Cleveland and Savannah include many firsts. Day-old ducklings, 50 cents each.

Eggs, \$5.00 per 12, \$8.00 per 24, \$15.00 per 50, and \$25.00 per 100. Why pay more, we guarantee satisfaction. Stock for sale.

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**Gem Chicken Coops** protect from everything—rain, cold, damp, mice, vermin, etc. Made of one piece galvanized iron. Strong and safe. Metal or wood floor. Yard slips in coop at

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Cut down living expenses—raise poultry for your own use and for sale to neighbors. Thousands make money this way with

#### SUCCESSFUL INCUBATORS

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Why don't you do the same? Learn how easy it is to start. Booklet "How to Raise 48 out of 50 Chicks"—10c. Catalogue FREE. Write today. Address: **Des Moines Incubator Co., Second St., Des Moines, Ia.**



### 100 per cent hatches



Users of my **Belle City Incubator** are doing this right along. Write me for proofs! **Be sure of success.** Use the **Belle City U. S. Government** is one of my 201,840 **Belle City** users. If you are in a hurry, order direct from this advertisement. My **money back guarantee** protects you, and I'll send all **proofs** with your incubator. **Jim Rohan, President, Belle City Incubator Co.**

### 140-Egg Belle City World's Champion Incubator

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**\$7.55**

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140 Chick Brooder \$4.85

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Magnificently Equipped Fast  
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are all we can supply this season

Last season we returned hundreds of dollars because we could not hatch enough chicks to supply the demand. During the spring months our capacity was booked from six to eight weeks in advance. This season there is only one sure way to get stock when you want it and as much as you want. **Book your order now—FREE** for Day-old Chicks, Hatching Eggs and 8-weeks-old Chicks. Send no money now—not a cent until just before the date of your shipment. Think of these records made by our customers:

**Pullet lays first egg at 96 days.  
Ten hens lay 2497 eggs in one year.**

We make shipments anywhere and guarantee safe arrival. Remember we can hatch only 150,000 chicks this year, so get in your order at once.

#### 8-weeks-old Chicks

A new and successful plan to get quality stock. Brooders not needed. Avoid losses from bad weather, hawks, etc. Can ship all pullets, or any proportion desired.

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Get this great, free, helpful poultry-book. Explains our feeding system and tells you how to adapt our simple methods to your own profits.

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PITTSFIELD

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GUARANTEE  
SAFE DELIVERY  
DAY OLD  
CHICKS

215  
EGGS  
A YEAR

WE  
GUARANTEE  
TO REPLACE  
ALL INFERTILE  
EGGS

A flock of 31 Pullets grown from our Chicks averaged 215 Eggs a year in the hands of a customer—an amateur.

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LEARN OF THE PROFIT PAYING FOWL  
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Easiest to put up, lasts longest, and always presents a neat, distinctive appearance throughout years of service. Keeps your poultry where you want them, safe from prowling, destructive animals.

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Tells how to succeed with poultry on the ordinary farm. How to make a first-class brooder out of an old piano box. What breeds lay best. Plans for poultry houses, how to feed, breed, etc. Describes

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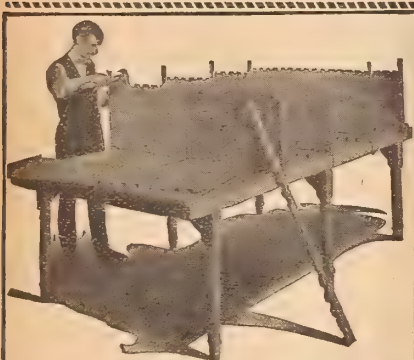
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Our bands are strong, durable and made from aluminum; have smooth edges and lock with double clinches, numbered with large **RAISED FIGURES**. Prices: 12 for 15c; 25 for 25c; 50 for 40c; 100 for 65c. Always state which kind are wanted and what variety they are for.

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The Separate Parts of Essex-Model Portable Hover. Can be used in any House, Coop, Box or Home-made Brooder. Best and Cheapest. Only \$7.50. See full description in catalogue.

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I have been using six of your Hovers all season, and find them so satisfactory shall probably buy more. I like the idea of being able to get at the chicks so easily.

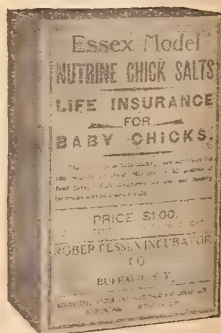
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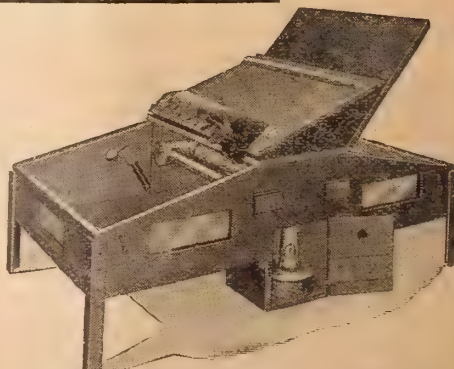
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Essex-Model Double New Homestead Brooder. Two Brooders at price of one. Can be used as one big brooder by removing partition. Only \$10.00.





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## Custom Hatching

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## Mammoth Incubators

made the baby chick trade possible by hatching good chicks in large quantities. It is making custom hatching possible by hatching chicks at less cost, including the operator's profit, than they can be hatched for at home.

## A Man Named Hall

invented the Mammoth Incubator and built one for his own use in 1896 on his farm at Pembroke, N. Y., and started the custom hatching industry in this country. The capacity was rapidly increased until the surrounding farmers brought Mr. Hall upwards of a hundred thousand eggs to be incubated each season.

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	Original capacity		Present capacity
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Branford House & Farms, Groton, Conn.	4,500	-	9,000
S. B. Denlinger, Doylestown, Pa.	6,000	-	12,000
Golden Glow Farms, Milford, Mass.	6,000	-	12,000
Crescent Egg Farm, Allegan, Mich.	6,000	-	12,000
R. L. Hutchinson, North Raynham, Mass.	6,000	-	12,000
E. T. McGalliard, R. D. No. 5, Trenton, N. J.	6,000	-	12,000
Pittsfield Poultry Farms, Pittsfield, Me.	12,000	-	24,000
William Horrocks, Herkimer, N. Y.	15,000	-	30,000
C. M. Woolver, Richfield Springs, N. Y.	15,000	-	30,000

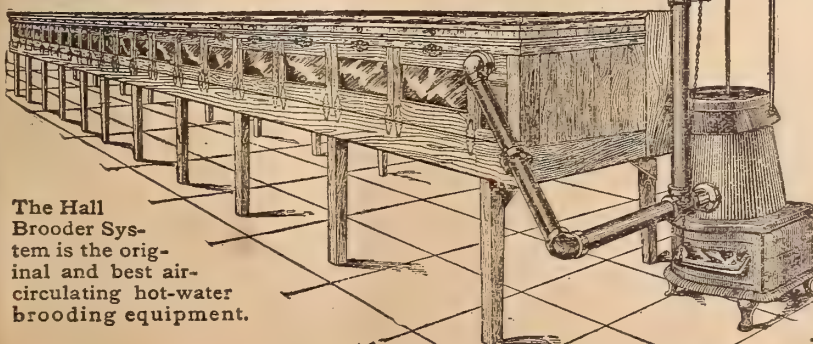
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**THE HALL MAMMOTH INCUBATOR CO.**

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NEW YORK



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## GET YOUR SHARE

of the enormous Poultry and Egg Profits. Start now. Make \$1000 to \$5000 extra each year. Experience not necessary.

### Stahl's Excelsior incubator

gets largest hatches at least cost. Has many important exclusive features. Write TODAY for my FREE BOOK.

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Then watch results. There's no better grit—no better egg maker—no better health food for all poultry than

### PEARL GRIT

It makes shells, makes eggs, makes feathers. It serves a double purpose. Send for prices and our new valuable poultry booklet.

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## WHAT HENS NEED



Hens need lime and grit to make them lay more and be healthy. CRYSCO a petrified shell containing

99% PURE CARBONATE OF LIME

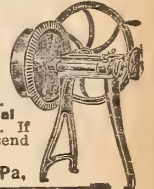
1% HARD SHARP SILICATE GRIT, will make your hens lay and increase your egg profits. More eggs, healthier hens, harder shells, finer chicks and quicker results in feeding CRYSCO. Ask your dealer. Look for the trade-mark. Valuable booklet free.

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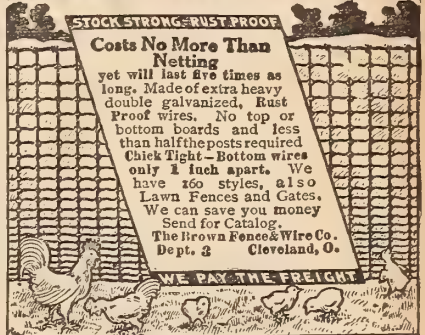
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Chick Tight—Bottom wires only 1 inch apart. We have 260 styles, also Lawn Fences and Gates. We can save you money

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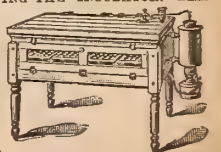
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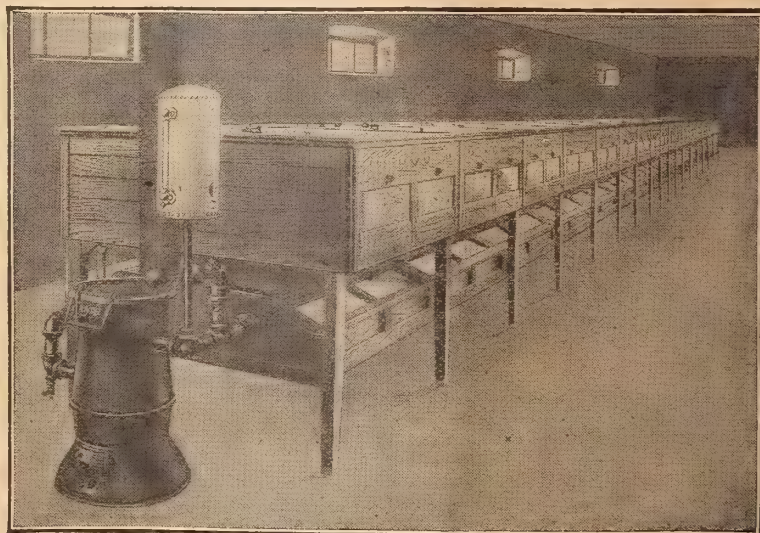
The Peerless Automatic Vapor Heating System. The Peerless Automatic Moisture System. The Peerless Automatic Ventilating System. The Perfected Acme Automatic Lamp. The Perfected Acme Trip Burner. The Acme Tandem Double Compound Thermostat Regulator. Let me tell you about these marvelous features and send you my Free Book describing my fixtures, how to remodel old incubators, build Peerless Incubators.



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The Only Original Dry Chick Feed and the World's Standard.  
 "Lady Showyou," winner of the National Egglaying Contest at Mountain Grove, Mo., with a record of 82 eggs in 82 days, and 281 eggs in a year, and recently sold for \$800, was raised on Chamberlain's Perfect Chick Feed.  
 We have agents all over the U. S., but if our agent is not near you, we can make you special delivery prices on 100 lb. lots, or more.  
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**HAS NO EQUAL-NO CORN-NO BOWEL TROUBLE**



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Profits depend on the number of chickens matured, not on the number hatched. What proportion can you bring through? Are you satisfied with the average results you secure each year? Just try the better way and experience the satisfaction of a highly successful season. It is easy! Secure from your dealer, or direct from us if necessary, these preparations:

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**130 Egg Incubator**  
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## It Takes The Pain Out Of Painting

IT'S certainly a painful process to keep on painting a roof every two or three years—you feel it in your back and in your pocketbook.  
**Amatite Roofing never needs painting**—sounds almost too good to be true, doesn't it.  
 Just lay it with an ordinary hammer, and you've solid roof comfort ahead for many years to come.  
 Costs less than similar roofings of same weight. The mineral surface is also fire-resisting.

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**The Same Amount Of Feed Will Raise Each**



**I Bring 30¢ per lb.**

**I Bring Only 15¢ per lb.**

**DOUBLE PRICES**

On the market capons bring double price and are cheaper and easier to raise; they require less feed and less care. Caponizing is easy and soon learned.

**PILLING CAPON SET**

Will enable you to caponize all your young cockerels and add greatly to your poultry profits. Sent prepaid, with "Easy-To-Use" directions, on receipt of \$2.50. Any one can do it. You can make money caponizing for others. Write to-day for our booklet on Caponizing. It's Free.

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Newtown birds have been line bred for years, especially for heavy egg production.

When you order Newtown chicks or hatching eggs, you know you're getting the kind that develop into real producers and sure money-makers.

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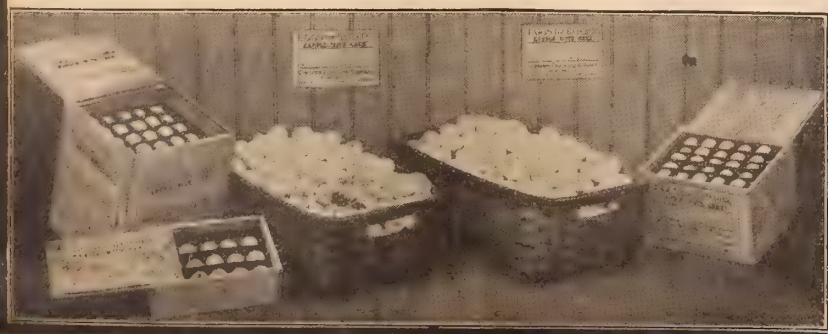
Newtown eggs are large, heavy and white, and noted for their high quality and fertility.

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The extreme vitality of Newtown quality chicks and our superior method of shipping in strong, roomy, wooden boxes, insure the absolute safety of your investment.

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and disinfecting with the new **"Kant-Klog" Sprayer**

gives twice the results with same labor and fluid. Also for spraying trees, vines, vegetables, etc. Agents Wanted. Booklet free.

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**BABY CHICKS—U. R. Fishel's White Plymouth Rocks the Best in the World**

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**Kaup's Buff Orpington Eggs Half Price May 20th**

On and after the above date the annual cut prices take effect. As the best colored birds are hatched late, a splendid opportunity presents itself to get eggs from the finest Buff Orpingtons at a low price. My 1913 fully illustrated 36-page catalogue-mating list tells all about my birds, matings, prizes won and gives prices on eggs, chicks and stock. It is the "Buff Orpington Guide Book" and you should have a copy. I send it free for the asking. Just address me—

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**AND SAY "SEND ME A COPY OF THE 'BUFF ORPINGTON GUIDE BOOK'" AND IT WILL COME BY RETURN MAIL**

**Quality White Rocks**

Eggs and chicks at reduced prices for balance of season. Mating list for a stamp.

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Eggs for Hatching—My birds have won in strong competition this past season, winning with something to spare. If you want something with class that will prove winners next year, I can furnish them. Prices on eggs and show records will be mailed on application. Satisfaction guaranteed. Have a few cockerels to sell.

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**Trap Nesting Is Invaluable**

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All breeds can be improved and the caption above points the way.

A few cockerels raised from my best family of trap-nested layers yet to spare—this **hot blood** is in demand; has put profit into many deteriorated flocks and will help you

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**PARTRIDGE PLYMOUTH ROCKS**

**A Strain with a Reputation and Quality  
For Those Who Want the Best**

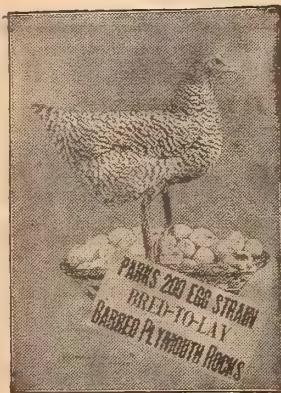
My twenty-page, handsome mating list, with colored cut, pricing eggs for hatching from twenty pens, will surprise you in elegance and prices of stock and eggs. It is mailed free to those who are seeking the best breed of the times, the best treatment, and reliable stock and eggs. My customers report winners, from my last season's eggs, all over the country. If you want to get in this class buy eggs or stock from Perkins.

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You are losing time if you do not take up the Partridge Rocks. Will be glad to serve you.

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Won the golden egg cup in the last Missouri Laying Contest, while another customer won the silver cup in the great International Laying Contest, while our files show favor reports from over 600 customers in all parts of the world, showing that our strain are laying their way into universal popularity. And the above is part of our reward for over twenty years' breeding for a purpose "EGGS." While eggs are and always have been our first consideration, we have not overlooked the standard requirements as our 1913 winnings at Chicago, Pittsburg and Altoona show. Eggs are running well in fertility and one Philadelphia customer reports fifteen chicks from his setting and another customer, a Mr. Byrne, Rutland, Vt., writes that he tested his 111 selected eggs, and found only four infertile. EGGS—Selected, \$5 per 15, \$8 per 30, \$11 per 50, \$20 per 100. Incubator eggs, \$2 per 15, \$6 per 50, \$10 per 100. Eggs and best pedigreed stock half price after May 15th. Have a nice lot of chicks coming off each Monday, and can fill orders on short notice. Chick circular free. Chicks half price after June 1st. Large 36-page catalogue free. Mention American Poultry Journal when writing.

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If you want a breed for utility or beauty, the Rhode Island Reds will out-class any other variety of poultry

OUR SHOW RECORD IS UNSURPASSED

IN 43 OF AMERICA'S LARGEST SHOWS IN 14 PRINCIPAL POULTRY STATES

Our Rhode Island Reds have been returned the leading winners. This does not include the winnings of our customers.

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After breeding season we will offer a sacrifice sale of breeders at one-half price and less to make room for youngsters.

## BUSCHMANN-PIERCE RED FARMS, BOX 39 CARMEL, IND.

THE MOST EXTENSIVE BREEDERS OF RHODE ISLAND REDS IN THE WORLD.

## Barred Plymouth Rocks

**WINNERS** last fall and winter at Chicago, Memphis, Indianapolis, Louisville and Shelbyville. 1st Pen, 1st Pullet, 2nd Cock, 3rd Cockerel, 3rd Cock, 3rd Pullet, Indiana State Fair, Indianapolis, Sept., 1912. 1st Cockerel, 3rd Pullet, 5th Cockerel, 5th Pen, Tri-State Fair, Memphis, Tenn., Sept., 1912. 1st Cockerel, 1st Hen, 2nd Pullet, 2nd Cock, Shelbyville Fair, Shelbyville, Ky., Sept., 1912. Armory Show, Louisville, Ky., Dec., 1912. 3 first, 2 second, 4 third, 1 fourth, 2 fifth premiums, special for best shaped female. Silver cup for best Barred Plymouth Rocks. 1st Cockerel, 3rd Pullet, 3rd Cock, 4th Cockerel, 4th Hen, 4th Pullet, 5th Hen, 5th Pullet. Blue ribbon for best display. Cash prize for best Barred Plymouth Rocks. Kentucky State Fair, Sept., 1911. 1st Cockerel, 1st Hen, 1st Pen, 2nd Pullet, 3rd Cock, 4th Hen, 4th Cockerel, 4th Pullet. Cash prize for best Pen, Louisville Poultry Show, Jan., 1911.

### Fourth Pullet Bred Cockerel, Chicago, Ill., Dec., 1912

Eggs \$3.00 per 15      Eggs \$7.50 per 50  
Eggs \$5.50 per 30      Eggs \$15.00 per 100  
Prize Matings \$4.00 per 15 Straight

**TWENTY** Grand Pens for 1913. No utility matings. Twenty selected pens, containing our winning birds at the big Shows and State Fairs at which we have exhibited.

**SEND** us your order for what eggs you need. We are specialists in Barred Rocks, have bred them in line for 22 years and have been consistent winners, at the great Central and Mid-West Shows.

**RAISE** your breeders and prize winners from "Pope Strains." They are the height of perfection in the new type, the correct type, the Pope type of clear black and white barring. No other breeder can give you the quality that we can, and we ask all those expecting to purchase Barred Rock eggs to send for our 40-page Catalogue and Mating List. You will make a great mistake if you place order before getting our literature. Send for Catalogue No. 3

**POPE & POPE,**

**Box A**

**Louisville, Kentucky**



1st Pullet, Indiana State Fair, Sept., 1912



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Four firsts and twelve other ribbons at Boston and New York, 1912-13. Eggs from our best matings at half price after May 15th. Catalogue FREE. Satisfaction guaranteed.  
**PAYNE BROTHERS - Box J - PORTLAND, CONNECTICUT**

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Will they grow into birds that I can feel proud of and that will lay Winter eggs in quantities, or win the blue ribbons for me, or will they be just scrubs that's the question before everyone who buys day-old chicks. It is not the first price that counts, but will they be right at maturity?

### Caldwell's White Plymouth Rock (Fishel Strain) "Baby Chicks of Quality"

#### From Utility Matings

Will mature into long backed, well made birds, pure white in color, that will be the secret of "Winter eggs." Every utility breeder is descended from known good layers that have been bred that way.

#### From Exhibition Matings

Will mature into blue ribbon winners. Every exhibition pen is made up of birds with good combs, of good type and chalk white in color, possessing the rich blood lines of generations of Fishel blue ribbon winners. Our birds were among the principal winners at the Indiana Fanciers' Show, Indianapolis, 1912.

Delivery of any number on short notice.

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One of the finest ever issued by any breeder. It tells just how "Baby Chicks of Quality" are produced and describes every grade of stock that we have to sell with prices. A copy is ready for you.

### The Caldwell Selling Plan

Not only arranges for the man who orders in advance, but for the one in a hurry. Thousands of eggs are setting which will make possible



**BUCKEYE \$8**  
 Guaranteed to hatch every hatchable egg. Over 325,000 in use. Send for Catalogue and dealer where you can see one and how it works.  
**The Buckeye Incubator Co.**  
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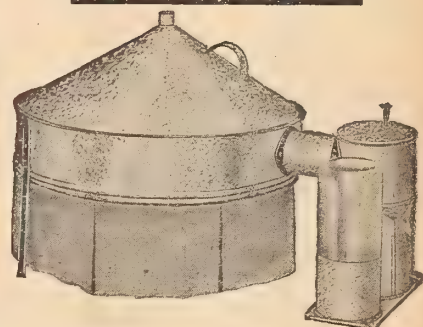
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**Chas. L. Stiles, Columbus, Ohio**

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Helps people to make greater profits in poultry, saves money by telling experiences, so preventing poor purchases. **One Year's Incubation and Rearing Means Success or Failure for the Following Two Years.** Our large experience in incubators and brooders enables us to give facts which will prevent losing hundreds of dollars. Send two-cent stamp for PAMPHLET, FULL OF HAND-SOME HALF-TONE ILLUSTRATIONS, describing The Corning Egg Farm, and giving incubator facts and experiences. Liberal sample celebrated Corning Farm Chick Food mailed for 4 cents.

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Read what our home fanciers say:  
 F. E. Short, Elgin—Using three; best there is.  
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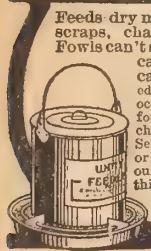
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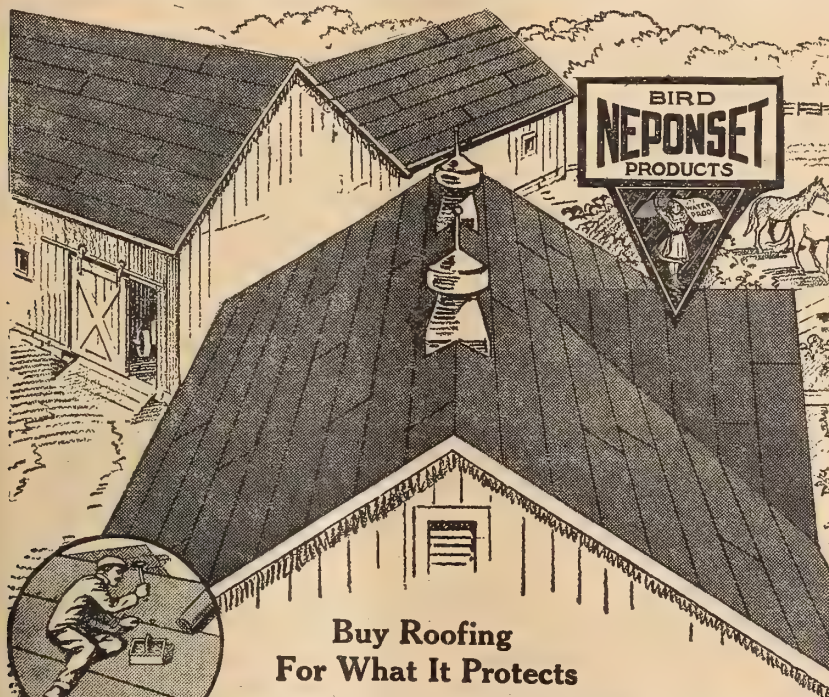
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## NIXON'S WHITE WYANDOTTES

Don't overlook the fact that for twenty years I have produced the leading winners at America's best shows, and my strong winnings of first pen, first hen etc., at the big Albany Club meet stamps them the Twentieth Century leaders. Don't place your order before getting my free list.

**Chas. Nixon, Judge and Breeder, Box 202, Washington, New Jersey**

## MISS CAREY



**Toynton : Spilsby**

## ENGLAND

**Campines, White and Buff Faverolles, Buff, White and Blue Orpingtons and Dogs**

Having for the past few years put more birds into the American show pens that have carried the blue than the majority of English breeders, I am able not only to put you in a position to win some useful sweeps, but to supply in large or small consignments birds for trade or stock purposes at reasonable prices and freight paid. Write for particulars of five successive years' lead at the Palace, Dairy and Club shows. Dogs for exhibition or sport supplied to order in any breed. Agents wanted.

## BARRY FARM WHITE LEGHORNS

WE ARE NOW BOOKING ORDERS FOR

## DAY-OLD CHICKS AND HATCHING EGGS

You can be sure of positive success with baby chicks from Barry Farm. We breed only from matured yearling and two-year-old hens. Our boxing methods insure safe delivery. Barry Farm White Leghorns are bred for heavy laying as well as for exhibition points. They are persistent layers, hence money-makers the year round. Write for circular.

**BARRY FARM : H. R. BARRY, Owner : Box 117, FAR HILLS, N. J.**

## ORPINGTON FOWLS AND DUCKS



Winner at Grand Central Palace

Winners at Madison Square and Grand Central Palace, N. Y. My birds are all descendants from prize winners, and my recent "victories" at these two most prominent shows in America should convince you that I have "quality" that will please you. A few special bargains in trios and pens at this time.

**ON 11 BIRDS SHOWN AT THE PALACE 10 WERE IN THE MONEY**

**ON 14 BIRDS SHOWN AT THE GARDEN 7 WERE IN THE MONEY**

These prize winners are all in my yards and are mated for the egg trade. Plenty of grand pens to select from. Superb matings, \$5.00 to \$15.00 per 15. Excellent quality for the price.

## Buff Orpington Ducks

Madison Square winners. I won 1st pen, 2d young drake, 2d young duck and 3d pen Grand Central Palace. I have as fine a flock of these most wonderful layers and money makers as can be found anywhere. Having a flowing stream insures my duck eggs being fertile. Duck eggs only \$3 to \$5 per 11. Write for prices on Baby Chicks. Catalog and mating list free.

**F. B. CRAWFORD BOX 115-A RAHWAY, NEW JERSEY**



R. C. Caldwell Ships Baby Chicks of Quality on short notice. See pp. 825  
**THE MOST POPULAR FOWL today is U. R. Fishel's White Ply. Rocks**  
**Byers' Strain Orpingtons**

**BUFF, BLACK AND WHITE**—Does it interest you to know that my customers tell me, and would tell you, that they get the best value for their money from me? That late hatched birds are the best colored? That after May 15th I will sell stock and eggs at half price? If so, get my valuable catalogue now. If you want the best I want your order. Mention American Poultry Journal when writing.

C. S. Byers    :-    Orpington Specialist 15 Years    :-    Hazelrigg, Indiana

**EGGS HALF PRICE : R. C. RHODE ISLAND REDS**

Having all the early hatched chicks we can care for, we will give our customers the advantage of this and reduce eggs to half price after May 10th (instead of June 1 as usual.) The past two seasons our birds have been big winners at: Chicago—Five firsts, twice as many as many as any other exhibitor. Louisville, Ky.—Almost a clean sweep this season in hottest competition. Indianapolis and Indiana State Fairs. Why do they win for us? Because they have the blood lines and judicious matings back of them. They also win for our customers and will do the same for you. Eggs in the best of the season at prices any one can afford. Free illustrated mating list tells all about them. Mention American Poultry Journal when writing.

LONGFIELD POULTRY FARM

BOX 321

BLUFFTON, INDIANA

# CAMPINES

IMPROVED GOLDENS AND SILVERS—Yards headed by our great Crystal Palace Cock together with our big winnings at Cleveland under Drevenstedt in one of the strongest classes of the year, places our stud one of the foremost in America. Our first Silver Cockerel was pronounced by experts to be one of the greatest birds shown in this country, the first Golden pen was the sensation of the show. Ten ribbons on twelve entries. Get our egg prices, it may pay you to do so. Eggs at half price after June 1st.

GENSEMER BROS.

161 MAIN STREET

CRESTON, OHIO



## JACOBUS IMPROVED SILVER CAMPINES GOLDEN

ORIGINAL INTRODUCER OF THE IMPROVED INTO AMERICA—At Madison Square Garden, New York, I won \$50.00 sterling silver cup, January, 1912, and also January, 1913, for best display American bred Silver Campines. My birds laid white eggs that won first prize at Boston, 1910, 1911, 1912 and 1913. Competition open to the world and eggs of all breeds. Consider carefully and start right.

JUST READY FOR DISTRIBUTION—My book, "CAMPINES BY JACOBUS." Free, unless you prefer to send postage.

M. R. JACOBUS,    :-    Box 3-J    :-    Ridgefield, New Jersey



## S. C. RHODE ISLAND REDS

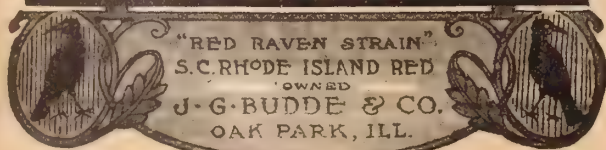
**GRAND CHAMPION WINNERS  
NEW YORK, BOSTON, CLEVELAND and CHICAGO**

Exhibition and breeding birds from  
our Champion winners at low prices.

**Cocks, Cockerels, Hens and Pullets  
at prices that will interest you**

EGGS from our New York, Boston,  
Cleveland and Chicago winners at  
\$10, \$7.50, \$5 and \$2.50 per setting.

Our book on Reds tells you **How to Mate  
and Exhibit Reds.** Sent on application.



**J. G. Budde & Co., Oak Park, Ill.**

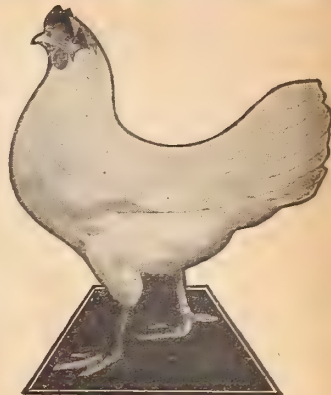




# Ferris Leghorns

at

## Summer Prices



**T**HE LAYING and exhibition qualities of Ferris Improved White Leghorns have been established by twelve years of careful breeding. We have used trapnests and bred from only our very best layers for so many years that every Ferris Leghorn now has laying qualities firmly established. There is only one way to develop laying qualities and that is by the use of trap nests. Every flock of birds that is not trapnested will be sure to contain a number of poor layers, and the stock raised from such flocks will always contain a number of birds that will not produce enough eggs to pay for their feed. By getting eggs or chicks from trapnested stock you can make sure that every bird you raise has the laying instinct bred in the bone and you will get so many more eggs from your fowls that you will make money at seasons when ordinary fowls will not even pay for the feed they consume.

At regular prices Ferris Improved White Leghorns are the best bargains that have ever been offered, and at May and June prices they afford an opportunity that you should not miss. To make room for the ten thousand chicks we are raising we offer thousands of pullets and hens and hundreds of cocks and cockerels bred direct from our exhibition and trapnested laying pens.

Utility pullets and hens \$2.00 each during May, \$1.75 each after June 1st; splendid foundation birds from our trapnested layers \$2.70 each during May, \$2.45 each after June 1st. These birds are just what you need for heavy egg production. Stock purchased now will give you chicks that will lay in December and that will lay during the balance of the winter. We also have some choice exhibition birds to spare that we have used in our exhibition matings—birds that will win in the strongest competition that you will encounter. Our catalog, a copy of which we will be glad to send you free of charge, describes these birds at greater length than is possible here. Send us a postal today and let us send the catalog.

Have you heard about the liberal guarantee we give with all stock purchased? We ship on approval, allowing you to return any birds that are not satisfactory; and we also assume the

responsibility of seeing that your birds remain in good condition until they become accustomed to changes of climate, feed and care. We replace free of charge any that die within thirty days, and we also allow you to exchange them if they become sick or do not breed properly. We endeavor to give every customer an absolutely square deal and fill your order with exactly as great care as if you were here to pick out the birds yourself.

### Eggs at Reduced Prices

Get our catalog and note the big reductions on eggs this month and next. The May prices of eggs from our bred to lay utility matings at \$1.75 per setting, \$8.00 per hundred or \$76 per thousand. From our trapnested laying pens, composed entirely of hens with records, of 185 or more eggs a year, \$3.30 per setting, \$16.00 per hundred or \$144 per thousand.

Eggs from all our pens, utility and trapnested, are carefully selected. They are large, smooth, even shaped—the kind that will produce strong chicks and the kind of eggs you will want to produce to get top market prices. We can ship safely anywhere in the United States or Canada, and have even shipped safely to Europe.

WE REPLACE ALL INFERTILE EGGS FREE OF CHARGE, and our stock is so handled that very few eggs are infertile.

June prices are lower than May prices—\$1.35 per setting, \$6.00 per 100, or \$57.00 per 1000 for the utility eggs and those from the trapnested matings cost only \$2.70 per setting, \$12.00 per 100 and \$108 per 1000.

### Chicks at Low Prices

We have incubator capacity for 25,000 eggs and can furnish 5000 chicks per week, so we can fill large or small orders on short notice. You will make no mistake to order chicks as this is one of the most satisfactory ways of getting a start with first class stock. We can ship safely anywhere east of the Rocky mountains and will guarantee safe arrival. The chicks will be hardy, vigorous fellows that will do just as well as if you had taken them direct from your own incubator.

During May the price of utility chicks is \$20.00 per 100 or \$180.00 per 1000; in lots of 25 to 50, 24c each. Trapnested chicks \$40.00 per 100, \$360 per 1000. In small lots, 48c each. June prices are considerably less—only \$16.00 per 100 or \$144 per 1000 for utility chicks and only \$32.00 per 100 or \$288 per 1000 for trapnested chicks.

### BIG FREE CATALOGUE

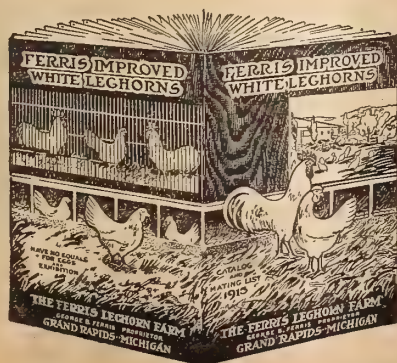
Write for a copy of our big 132 page catalog. We will be glad to send you a copy free of charge, because it will give you a lot of information about White Leghorns that it is impossible to give in the small space of this ad. Not only does it fully describe Ferris Improved White Leghorns, but it also tells you just how to feed for eggs, how to raise chicks, how to line breed your birds to increase egg production, and a hundred more valuable pointers that we have learned by twelve years experience. If you are in need of stock, eggs or chicks, write and let us tell you what we have and if you are not ready to buy, send for the catalog anyway. Just write your name on a postal and we will do the rest.

**GEORGE B. FERRIS**

*The Ferris Leghorn Farm*

905 N. Union Ave.

Grand Rapids, Mich.





# ETZENSPERGER'S REDS OF QUALITY

WON AT CHICAGO, DECEMBER 12 TO 18, 1912

2d S. C. pen, fourteen pens competing; 2d cock, thirty-two birds competing; 4th pullet, thirty-eight birds competing; 5th R. C. pen, thirteen competing; 3d pullet, forty-one competing. **The hottest class of Reds ever got together.** All my old birds that produced these prize winners together with winners this year will be used in my breeding pens this year. My 1910 first Chicago cock bird is the same bird winning 2d this year, he producing some of my best winners, showing what blood lines will do. Also having ideal shape and color. Have a few cockerels, cocks and pullets for sale at the right price. **Special sale of 50 Single and Rose Comb Rhode Island Red cockerels, good breeders, at \$3.00, \$5.00 and \$10.00 each.** Mention American Poultry Journal when writing.

W. ETZENSPERGER

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Box E

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WILLOUGHBY, OHIO

## SMITH'S SINGLE COMB BUFF LEGHORNS

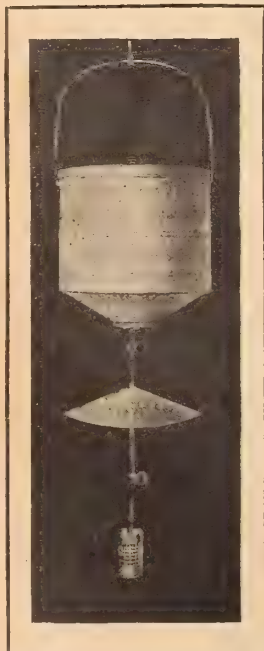
The largest Buff Breeder in the world and the world's best blue ribbon winners and winter egg layers. I have mated this year over 1,500 fine breeders that are the pick of over 47,000 birds raised in the last 4 years and winners from 13 of the big shows.

Stock for sale at all times, 1 bird or 1,000 birds. Eggs, \$2 per 15, \$10 per 100, \$75 per 1,000 and up. I have incubator capacity for over 10,000 eggs every 3 weeks, and expect to hatch over 40,000 day-old chicks this year from good, strong, big, vigorous birds that range in age from 1 to 4 years, and the chicks will live and grow fast. Day-old chicks, 25 for \$6.50 for \$11, \$20 per 100, \$180 per 1,000 and up. Get my guarantee on stock, chicks and eggs before you purchase your stock. Send 10 cents in stamps for catalogue and find out how to raise 150 pullets to the age of six months for 15½ cents each.

F. S. Smith, :: Life Member A. P. A. and Life Member American Buff Leghorn Club :: Box C and D, Hamilton, Ohio

# Simplicity Kant-Klog Feeder

Is the Only Poultry Feeder that Cannot Clog  
It is a Money-Making Investment—Not an Expense



IT WILL make money for you every day you use it, for it will save the grain that was formerly wasted, and grain is money nowadays.

IT WILL save you a lot of time, and time is money.

IT WILL increase your egg yield, and eggs are money.

IT WILL increase the fertility, hence you will produce more chicks, and chicks are money.

There are many more ways it makes you money explained in our free circular. Send for it.

That an Automatic Feeder is a "Good Thing," is an Undisputed Fact.  
If You Don't Believe It, Read These Testimonials:

Fenville, Mich., March 5, 1913.  
Simplex Supply House, Chicago, Ill.

Your feeders certainly are time-savers and a very great convenience. My flock of R. C. R. I. Red pullets that I am feeding with your feeder were all hatched between May 20 and June 10th, 1912, commenced laying in November, and your feeder was installed about December 15. In January, 1913, the 38 pullets laid 256 eggs; in February, 456 eggs, and so far this month are hitting a 60 per cent gait, which is evidence convincing to me at least that their feeding is about right. Shall want several more this spring to furnish a new house.

F. O. HOMEL.

Racine, Wis., March 5, 1913.  
Simplex Supply House, Chicago, Ill.

I beg to advise that your feeders have been most satisfactory. I have found them to be time-savers and of great benefit, as they give the chickens plenty of exercise in securing their feed. WM. H. ARMSTRONG.

Pittsburgh, Pa., March 10, 1913.  
Simplex Supply House, Chicago, Ill.

The Simplicity Automatic Feeder you shipped to me was received and I have had it in use for three weeks, and I am well pleased with it. It does good work and is a great saving in feed. I think it is a great exerciser and keeps the chickens working and laying.

FRANK BUTLER.

If you have a Feeder at all, you should have one that CANNOT CLOG. This is very important, for if a Feeder gets clogged and don't feed, it is worse than none at all, for your chickens go hungry.

Positively cannot clog; the little agitator stirs the grain all the time and prevents clogging. The Simplicity Kant-Klog Feeder is the only feeder that has an agitator.

It costs no more; in fact, is cheaper, and our prices are delivered prices, remember that, and it is sold on a positive money-back guarantee if you are not satisfied, which guarantee is endorsed by this paper. Send for circular giving full information.

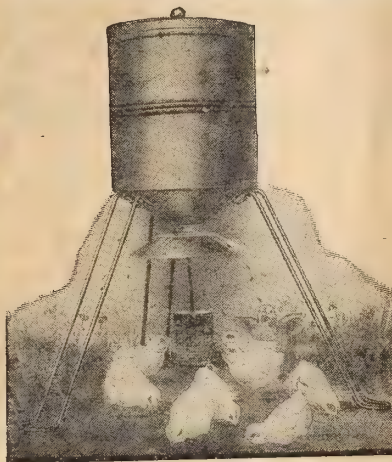


Prices Only \$1.25 to \$3.50, delivered (East of the Rockies.)

SIMPLEX SUPPLY HOUSE, PONTIACA BLDG., CHICAGO, ILLINOIS



# SAVE THE BABIES



## Use Simplicity Baby Chick Feeders

**It Saves Feed—It Saves Time  
It Saves the Lives of Your Chicks**

Your little chicks are always fed, and no feed is wasted. Neither is there any feed left laying around to get filthy and then eaten by the chicks, nor is there any feed in sight for the sparrows to eat. No need to depend on any one to feed your chicks, give them

**The Only Genuine**



**Accept No Other**

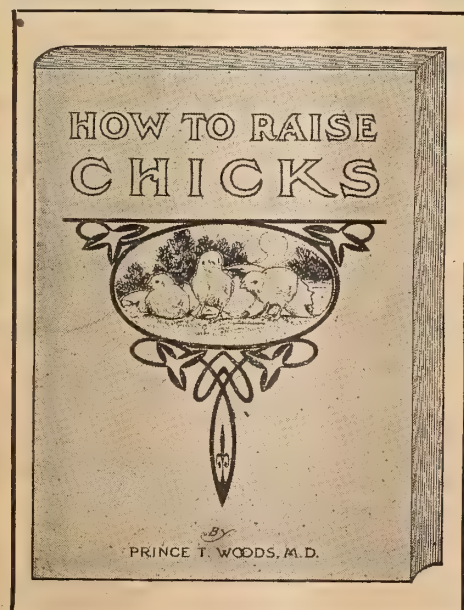
Filled with feed in the morning and they are fed for the day. It's "perfectly simple, simply perfect," and it "KANT-KLOG." By its use, you will produce larger and better broilers in less time and raise larger and better feathered show birds that will win the blue ribbons for you, because they were never stinted.

You need it; it will make your poultry business more pleasant and profitable by saving you time, feed and chicks. Send for literature, or order one now; your money back if you don't like it. For sale by poultry supply dealers.

**\$1.25 each, 6 for \$6.00 or \$11.00 a dozen, delivered**

**Simplex Supply House : Pontiac Building : Chicago, Illinois**

## DR. PRINCE T. WOODS' NEW BOOK How to Raise Chicks



### INCLUDING REVISION OF "FACTS ABOUT WHITE DIARRHOEA"

A down-to-date manual on breeding poultry, getting hatchable eggs, incubation and brooding both natural and artificial, preparing chick foods, feeding chicks, how to raise chicks and how to avoid and prevent disease and losses. Told in plain language. Illustrated with reproductions from photographs and pen drawings. Tells how to make your own brooders and chick foods. Written by a man who knows how and how to teach others. 88 pages, 35 illustrations and 5½x8 inches in size. Printed on good paper. Well and durably bound in cloth.

**A Book for Everybody Who Keeps Fowls or Grow Chickens  
Whether Beginner or Old Timer in the Field of Poultry Work**

**It has ten chapters:** Chapter I—Selecting and Mating Breeding Stock. Chapter II—Food, Vegetable, Animal and Mineral. Chapter III—Fowls and Food. Chapter IV—Care and Management of Breeders. Chapter V—Eggs for Hatching. Chapter VI—Incubation, Natural and Artificial. Chapter VII—Brooding with Hens and with Brooders. Chapter VIII—Chick Foods and Feeding Chicks. Chapter IX—Growing Chicks. Chapter X—Facts About White Diarrhoea. What white diarrhoea is. Symptoms of disease. Causes. Is there more than one form? Has germ of specific disease been found? Infection. Prevention. Treatment. Formula for a simple remedy which has proved effective in many cases in many climates for four years.

**Here is a book devoted to chick comfort and to more and better chicks, 75 cents per copy postpaid. Learn to save your chicks; that means more profit; Dr. Woods tells how; send for the book now, only 75 cents, cloth bound.**

75c per copy, postpaid; with American Poultry Journal, one year, only \$1.40. Canadian subscribers add 25c for postage, foreign 50c.

**American Poultry Journal, 542 South Dearborn St., Chicago, Illinois**



# B-U-S-I-E-D!

**Biggest Price Wrecking Sale**  
in the history of this Company.  
An excellent opportunity to  
save 30 to 50 per cent.

## PRICES

Never again will such remark-  
ably low prices exist. Don't  
delay—Send your order at  
once or write us. Act now.

### ROOFING

#### Corrugated Steel Roofing 1 1/4c Per Square Foot

Here is the chance of a lifetime to buy the best roofing in the world, at a mere fraction of its real value. Our enormous buying power enabled us to pick up for spot cash a stock of this brand new, perfect corrugated, "V" crimped and Standing Seam Roofing and Brick Siding, at a tremendous sacrifice—way under what it is actually worth. Immediate cash needed made possible this purchase. Just another chapter added to the long list of our famous bargain sales.

#### Corrugated Steel Roofing Practically Indestructible



There is nothing else that compares with corrugated steel roofing for real protection. It makes a long, lasting roof. Is fire, rain, frost, wind, sun and lightning proof—warmer in winter—cooler in summer; and under ordinary circumstances does not leak, rot or warp, neither does it taint rain water. You can depend upon it that Corrugated Steel is the best material for roofing, siding and ceiling.

At 1 1/4c per square foot, we furnish our grade AB-700 Steel Roofing, in sheets 22 x 24 inches x 1/4 inches. This price is delivered on board cars at Chicago.

#### Galvanized Steel Roofing 2 3/4c Per Square Foot

Another big Steel Roofing Bargain. Several thousand squares of the very highest grade specially coated, corrugated, galvanized roofing and siding, made of specially prepared steel, of superior quality. Best roofing, and will last indefinitely. We will furnish it in suitable lengths for any purpose. Only a limited quantity on hand, so we urge you to send us your order immediately. Don't wait to write us again—order today, while this stock exists. Price only 2 3/4c per square foot, and will outlast 4 to 1. Just drop us a line, and tell us the size of your studding and general facts, and we will help you to select proper sheets. If you are not ready to use the material now, we will reserve it for future delivery, if you will give us a small deposit on account. This price of 2 3/4c per square foot is for our Lot AB-800 corrugated material, and is delivered on board cars at Chicago. If you prefer some other style, we will furnish it. We have this same grade in "V" crimped, Standing Seam and Brick Siding. Samples on application.

#### Ready Roofing With Supplies 62c Per 108 Square Feet



We have several thousand squares of a superior quality Ready Roofing, which we are offering in our AJAX BRAND, 1-ply, at a price of 62c per square of 108 square feet, including necessary cement and caps to lay it. This is undoubtedly the most remarkable bargain ever offered in Ready Roofing. This famous brand is put up 3 or 4 pieces to a roll. The price of 62c per square of 108 square feet is loaded on board cars at Chicago. We will, however, make a freight prepaid price on this same grade of roofing, including nails and necessary cement of 75c per roll of 108 square feet, and at this remarkably low price.

#### We Pay the Freight

Go full to any point east of Kansas and Nebraska and North of the Ohio River.  
We will also furnish 2-ply, at 90c; 3-ply, at \$1.05.  
This Ajax Roofing is guaranteed to wear as long, and give as good service as any Rubber Surface roofing on the market.

#### Send for Special Roofing Catalog and Samples

Write at once for our Special Roofing Catalog. Free samples and full instructions for laying roofing.

**CHICAGO HOUSE WRECKING CO. Dept. AH 8 Chicago**

### Smashing Bargains

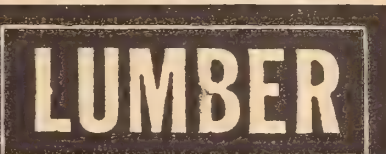
#### Explanation

The Chicago House Wrecking Company known to the commercial world as the "Great Price Wreckers" is easily acknowledged the bargain house of the earth.

Our Mammoth plant covers 40 acres, and our list of customers are numbered by the hundreds of thousands, and include people from every walk in life. We sell practically everything under the sun at unbeatable prices. We buy our goods at Forced Sales, taking advantage of Sheriffs, Manufacturers' and Auction Sales. In this way we can sell brand new, clean high-grade goods at prices, in many instances even less than the cost of manufacture.

#### Our Guarantee

Our capital stock is \$2,000,000. Any bank or Commercial Agency, or any publisher will confirm our responsibility. We have advertised in this paper for many years. Ask its publisher what he thinks of the Chicago House Wrecking Co.; get his personal opinion of the values, and our square methods of doing business. We guarantee each and every article that we sell to be exactly as per our representations. Should you buy anything from us that fails to come up to our representations, or does not agree with your expectations, we will take back such unsatisfactory merchandise at our freight expense. We want satisfied patrons.



Complete houses and barns at an enormous saving. Never before in the history of Building Material has such an opportunity existed. We offer high grade, brand new complete lumber and building material needed for the construction of houses and barns at lower prices than ever before.

#### 20,000,000 Ft. of New Lumber at Our Yards and Warehouses Ready for Quick Delivery

We have upwards of twenty million feet of first class, brand new lumber for the construction of buildings of every kind. A wonderful stock of the very finest millwork, interior trim, etc.—enough material to construct cities and villages everywhere. It is our determination to give the greatest "Banner" year in the history of our Great Lumber and Millwork department, and the way we will accomplish this, is by cutting prices that undersell any possible competition. The proof of this is in our catalog and literature.

Write today and tell us what you contemplate improving or building during this Spring—talk to us plainly, and we promise you the advice straight from the shoulder. No other concern in the world is equipped such as we are. Right in our main yard and warehouses, at Chicago, we can load you out complete, at one time, and in one carload, every single article required for the improvement of the building you have in mind. No where else can you go and get such service.

#### Personal Service To You

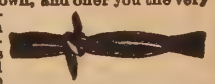
You can get the kind of service that will give you absolute satisfaction—satisfaction from the word "go." If you have ideas of your own as to the kind of building that you want, we will give you the benefit of the greatest architectural Department in the world. Will furnish you with plans according to your own ideas, and will quote you a price on the material that will make you a wonderful saving. Dollars saved are dollars earned.

Write today for our Book of Plans and Latest Catalog of Building Material and Supplies.

### FENCING

#### Brand New WIRE FENCING Less Than 1c Per Running Foot

Biggest of all offers of the past. We come to you with the most wonderful proposition ever known, and offer you the very best woven wire fencing at a fraction of its real value; lower in price than ever before, not withstanding that all other merchants and manufacturers have advanced their prices on fencing. We are determined to simply get all the business in sight, and with that in view, we bought up from manufacturer's sales, 150 carloads of High Grade Woven Wire Hog, Cattle, Field and Poultry Fencing, Barb Wire and Nails, in quantities sufficient to take care of our regular customers and those who will quickly respond to this advertisement.



#### Barb Wire Less Than 2c Per Rod

Galvanized, two-point Barb-Wire, full weight (not the light kind) put up regular on spools, containing about 100 lbs. to a spool. It is made of No. 12 1/2 wire, with good weight barbs. Price per 100 lbs. during this sale, only \$1.95. Order by Lot No. AB-600. Several thousand spools of this Barb Wire, Painted, price per 100 lbs. \$1.75. Order by Lot AB-500. Also have in stock 1000 spools of light weight, new galvanized barb wire, put up 30 rods to the spool, made of No. 14 galvanized wire. No. 15 barbs, barbs 5 inches apart; price per spool of 80 rods \$1.45. Lot AB-400. We also have several other bargains. You never had a chance like this before, and we advise that you send us your order today. Don't wait until the material is sold—we cannot hold this quotation open.

#### Galvanized Hog Fencing AT A MATERIAL! REDUCTION IN PRICE

100,000 rods of 26 in. Galvanized Steel Spring Wire, 26 in. high, hog fence, put up in 10, 20, 40 and 60 rod rolls, made with 7 bars, spaced 12 in. apart, with No. 9 top and bottom wires, No. 11 intermediate wires, heavier than the regular fencing offered. Price per rod, during this sale, only 15c. Order by Lot AB-900. Same fencing spaced 6 in. apart, per rod during this sale, only 21c. Order by Lot AB-1000. Other heights at proportionately low prices.

#### High Grade Poultry Fencing 48 in. High PER ROD 27c



A complete stock of all heights of Woven Wire Fencing for every purpose. Do not delay your order, but send it in as once, even if you are not ready to have it shipped. We will hold the material ready to deliver when you want it.

#### Several Carloads of Galvanized Wire Shorts

This is smooth wire, put up 100 lbs. to a coil, first-class for general use. Comes in sizes from 6 to 15 gauge. Price for 9 gauge, \$1.25 per 100 lbs. Lot AB-1200. Other sizes in proportion.

#### Some Big Bargains in Nails

At last we have the bargain of bargains. 10,000 kegs of genuine galvanized wire nails; will outlast all other kinds. Put up in regular kegs. Price per keg of 106 lbs., as follows:—

10 pennyweight, \$2.00 8 pennyweight, \$2.10  
6 pennyweight, \$2.15 Shingle Nails \$3.00

Also 5,000 kegs of Nails, mixed all kinds in a keg; good assortment, handy to have around your workshop. During this sale only, per 100 lbs., \$1.45. Order by Lot AB-1100. We have other bargains in Nails.

Also, in this same job, we have 5,000 kegs of Fence Staples, galvanized; per keg, \$2.00. Lot AB-1400.

Crimped wire for reinforcing, cut to any desired length; per 100 lbs., \$2.35. Lot AB-1300.

We have bargains in every line. Write us today for our Wire and Fence Catalog, but the best thing for you to do is to send your order now, and we will hold for shipping instructions.

#### SEND IN THIS COUPON

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# AMERICAN POULTRY JOURNAL YEAR BOOK FOR 1913

**Being a Comprehensive and Authenatic Review of the Poultry Industry for the Year 1912—All Thoroughly and Carefully Indexed for Instant Reference. Including a Practical Encyclopaedia on Poultry Culture.**

## PUBLISHERS' ANNOUNCEMENT.

With the event of a billion dollar poultry industry in the United States, the publishers of the American Poultry Journal think it about time that a reliable and authentic Year Book or Annual should be published in this country. Many smaller industries—some of them many times smaller—have one or more Year Books published in their interests and these industries liberally support and encourage their publication and sale, as it has been found that the circulation of such books tends to create new interest and promotes its advancement before the general public.

It is the intention of the publishers to issue a Year Book annually for the great and growing poultry industry of this country, and we feel confident that it will be well received, as it will fill a real need that should have been attended to many years ago, and the entire editorial staff of the American Poultry Journal will devote its best efforts to make it worthy of a place in every poultryman's library. With such an organization of experts behind it—with the equipment in materials, statistics, trained clerical force, books, artists, practical and expert writers—must, in the very nature of things, produce a book that will fully and truthfully represent our great billion dollar industry.

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**POULTRY SHOW DIRECTORY.**—Will be one of the most valuable features of the book to the fancier, as all poultry shows held during the season of 1911-1912 having 2,000 or more entries will be reported in full. First, second and third prizes won, with names of winner, judges making the awards, number of entries in class, date and where show was held; name and address of secretary, entry fees for different classes, date of next show, and all arranged and indexed for

ready and instant reference. All shows having 1,000 to 2,000 entries during 1911-1912 will be reported as follows: Winners of first prizes, name of judges making the awards, date of show and place where held, number of entries in each class, date of next show, entry fees for different classes, whether exhibition coops are provided by the show management or must be provided by the exhibitor, name and address of secretary. All shows having less than 1,000 entries will be reported as follows: Total number of entries, date and where held, entry fees, who furnishes the exhibition coops, name and address of secretary, date of next show.

**SPECIAL ARTICLES.**—Many special articles will be published, written by the best experts in this country and Europe, such as the newest ideas on poultry house construction, how to prepare birds for the show room, the double mating system, single mating system, how to line breed, how to operate incubators and brooders, fattening and preparation of fowls for the market, how to operate back yard poultry plants, how to operate large commercial poultry plants, how to advertise fancy and market poultry, how to produce eggs throughout the year, and many others too numerous to mention.

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**PRINTING AND BINDING.**—The book will be published in the convenient size of 5½x8 inches and will be printed on high grade book paper suitable for printing fine halftone illustrations in the best manner possible. The cover will be an artistic and original design, and the binding will be linen thread sewed to make it flat opening. There will be nothing cheap or trashy about the book, as it is the intention of the publishers to make it a representative of the best present day standard of artistic printing and worthy to be handed down to posterity as an example of what the best printer could produce in the year of 1912-1913.

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American Poultry Journal, 542 So. Dearborn St., Chicago, Ill.



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### At the Great Hagerstown Fair, October, 1912

Cocks, 1 and 4; Hens, 1; Cockerels, 2, 3 and 5; Pullets, 1, 2 and 3; Pens, Old, 1; Pens, Young, 1; Specials for Best Leghorn Male and special for best bird in the Mediterranean classes and best display.

### At Grand Central Palace, New York

Cocks, 1, 2, 3, 4, 6 and 7; Hens, 1, 2, 3, 4, 5, 6; Cockerels, 1, 2, 3, 4, 5; Pullets, 1, 2, 3, 5, 6, 7; Pens, 2, 3, 4; Specials for best head Male and Female, best color Male and Female, best shape Female, best display, and Gold Special for best display of any variety in the show. This win was made in competition with eighteen of our best breeders.

### At the Boston Show, Boston, Mass.

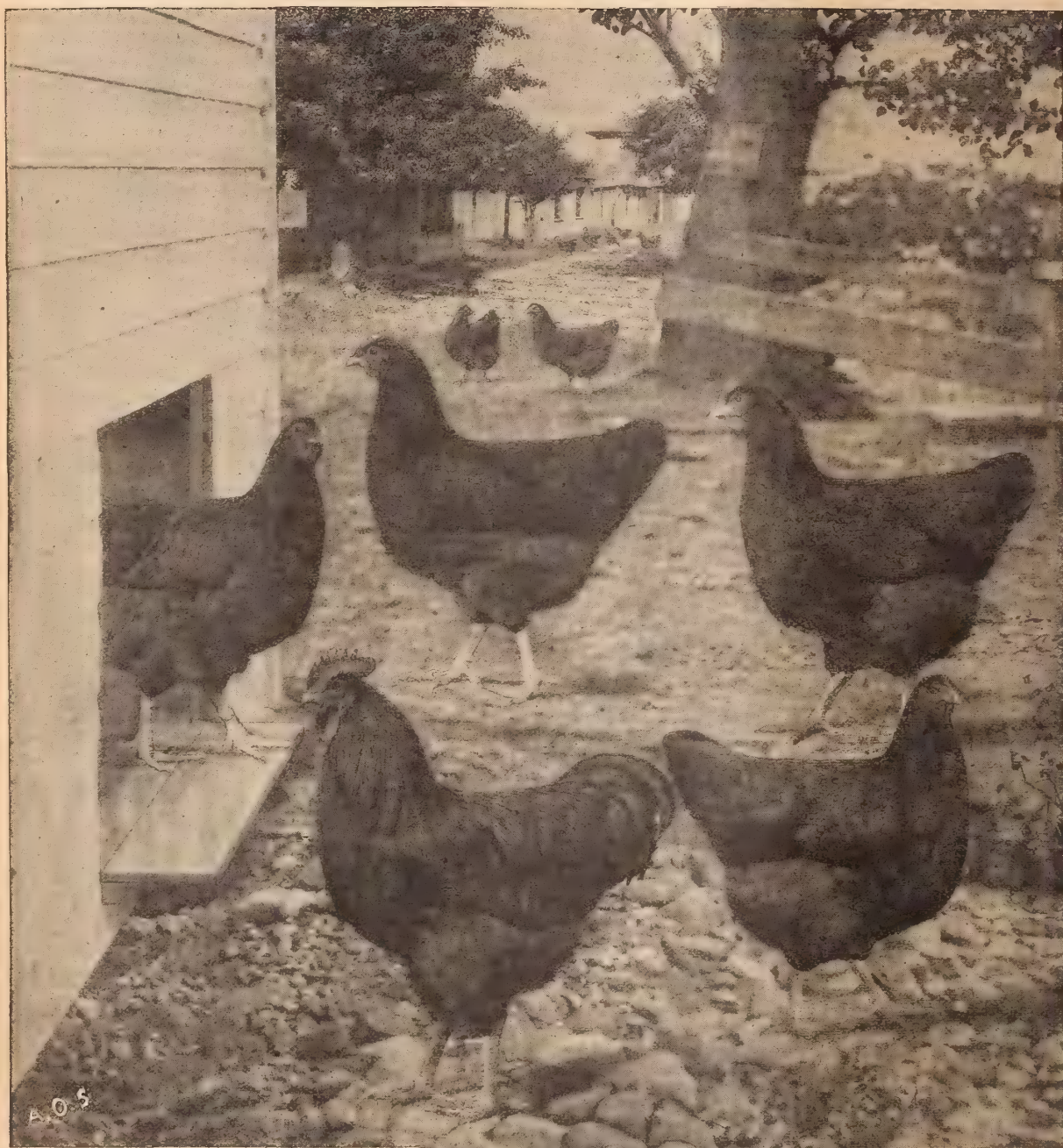
Cocks, 1, 2; Hens, 1, 3, 6; Cockerels, 1, 2, 3, 4; Pullets, 1, 3, 6; Pen, 3; Specials for best Display, best Male, best Female, best color Male and Female, best shape Male and Female, best head Male and Female, and Special for best bird in the Mediterranean classes. This win made in competition with fifteen other breeders, in the largest show ever held in the United States.

We can supply hatching eggs at 60 cents each from our very best pens. (The same ones we hatch our own winners from). 35c and 20c each, or \$15 per 100 from other good matings. Buy from the breeder that produces the goods. "Actions speak louder than words." Send for mating list, mentioning American Poultry Journal.

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*FIRST PRIZE PEN YOUNG  
SINGLE COMB RHODE ISLAND REDS  
CHICAGO SHOW DEC. 1912  
BRED AND OWNED BY,*

*F. E. HARRISON  
MENOMINEE MICH.*

The Rhode Island Reds have grown in popularity each year until today we find them among the largest and strongest classes at shows throughout the country. The Chicago Show brought out a wonderful exhibit in which the quality was much above the average, and to win a ribbon in the Red classes here, it required absolutely the finest specimens. Among the successful exhibitors was F. E. Harrison, showing his "Royal Red Strain," who captured the bulk of the prizes and also best display. The pen shown in above picture won first prize and were among the chief attractions, which also included first, second and third pullet and first prize cock. The pullets in this pen are bred from a son of "Royal Red," the famous winner, and are not related to first and third pullets at Chicago, 1913, but are full sisters to first prize pullet at Indianapolis this season. Mr. F. E. Harrison's "Royal Red Strain" have surely made a wonderful record during the past winter and the coming breeding season will no doubt bring forth another generation of blue blooded stock which will be counted among the choicest specimens for the next show season.—A. O. Schilling.



# AMERICAN POULTRY JOURNAL

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Chicago, Ill., May, 1913

No. 5

## To the Rescue of the Barred Rocks

Written by L. P. Upham, Webster, Mass., Son of the Originator  
of the Grand Old Barred Plymouth Rocks



**T**HE light of criticism is beginning to pierce the darkness that has surrounded the Barred Plymouth Rock in more recent years, and public opinion once aroused, will dispel the cloud that has been threatening disaster to the breed which has so long maintained the position of being the most popular fowl yet produced.

For a year and more I have been sounding the warning that the old Barred Rock ship was sailing dangerously near the shoals, and if the same crew are to remain in charge, the rocks are only just ahead. Is it not time use was made of the searchlight that the course of the ship may be changed, and the grand old craft saved?

The disposition among some breeders seems to have been to create something new, regardless of whether any improvement was made or not, and have disregarded standard requirements entirely. The efforts of these breeders should never have met with any encouragement from the judges, and the judges are responsible in a great measure for the conditions that now confront us, for had they ignored the type of Barred Plymouth Rocks that these curiosity seeking breeders were trying to produce, as they are now ignoring the standard requirements, we never would have had the undesirable product forced upon us that we have today. Undesirable as regards standard requirements. The cry of "we are running on the rocks" has not been sounded any too soon if we would save the grand old ship of state (the Barred Plymouth Rock). We are encouraged in our efforts by many letters from prominent breeders endorsing our views, and we note with especial interest several breeders are making use of the poultry journals to express their convictions. Poultry editors are awakening to the fact that an injustice has been done the GRAND OLD BREED, and that its beauty has been lessened by these curiosity breeders. Then just to help matters along the question of double or single mating is being agitated. Every scientific breeder knows that to trifle with nature is a serious mistake. He who antagonizes nature pays dearly for the experience. Some breeders suggest two standards for Barred Plymouth Rocks. Why is there any more need of the two standards for Barred Plymouth Rocks than there is for Light Brahmas, or any other breed in fact?

Take the standard of the Light Brahma, for instance; it describes the male, and also describes the female. Does not the standard of the Barred Plymouth Rock describe the male, and also the female? Then why is there not just as much sense in asking for two standards for the Light Brahma? But there is no sense in the two standard proposition whatever. Then there is the single mating advocate, who wants the standard changed so as to conform to his single mating product; that is, the standard shall call for a male three or four shades lighter than the female, as this is what a single mating will produce. My dear reader, just as soon as you adopt a single mating standard, just so soon you sound the death knell of the grand old breed.

Instead of trying to breed a little nearer, and nearer to perfection, a little nearer to the standard of excellence, you want to pull the standard down to your level. Could there be

anything any more unprogressive? Clear your vision, look for higher things. Perfection is the prize we seek, and let us keep the standard high, the harder to attain the more valued the prize. All varieties of fowls are more or less afflicted with parasites of different natures, and while the Barred Plymouth Rock is a subject of these pests, it has an additional annoyance in the many barred bug, and it works to the greatest annoyance and disadvantage to the breed under the surface. In the case of poultry vermin in general, usually a thorough application of Lambert's Death to Lice, or some good insect powder is effectual. In the case of the many bar undercolor bug, we believe a thorough application of the powder of common sense will exterminate the creature. Common sense is a most valuable asset in all things, and when made use of, harmony and success is the result. Has the many bar undercolor bug bestowed any quality of value on the GRAND OLD BREED? Has he? has he added to its beauty by putting more bars on a feather and making the dark bar twice as wide as the light bar? Has he? The public say no. Are they not the natural judges? Do they insist on an under color barred to the skin? No, they do not. A beautiful evenly barred surface satisfies them. When they buy a pair of horses, do they ask to see the undercolor? No, they do not. And if they did ask such a question, do you think they would find it the same shade in a pair of bays as is the surface color? Do they when they go to their tailor tear their suit pattern to pieces to see the color of the warp and filling? No they look at the surface only. When they see a fine looking man on the street, do they form an opinion from other than surface observations? No, they do not.

Go with me a minute to Madison Square Garden show. Jones has quite a string of birds there, and he is an undercolor crank. The elite of the city are visitors. Mind you, Jones' valued quality (undercolor) is out of sight, of course he wants the public to see his pet hobby. Can you imagine that poor man running from cage to cage, hauling out his birds, tearing open the feathers to show bars to the skin? Think of him showing all the specimens in his breeding pens, think of the congested alleys he makes, and how much time he consumes over a matter the public care nothing about, and think of poor Jones at night about dead, and were he (Jones) to be judged as regards his undercolor, we fear there would not be found a dry thread in his undercolor (underwear). There is just as much sense judging him by his underwear, as to judge his birds by their undercolor. While the above illustration may seem a little homely, it answers the purpose of showing how ridiculous this hue and cry about undercolor is.

Go with me, if you please, to a breeder's yard, and here we find a beautiful pen of exhibition females, bright, snappy, and blue barred, the light and dark bars are of equal width, giving these females a very bright clean look. They are of good size, and symmetrically built, yellow beaks and legs, red eyes and are a feast for the true fancier's eye. Is there anything more to be desired? And so with the male, breed him with bars of equal and medium width, make the bars as straight across the feather as possible, clean, snappy and blue, and pay very particular attention to shape; then give him some rich colored yellow legs and beak, and a red eye, with medium size comb; such a male will be two shades





Photo 1. Farmer John has no use for chickens.



Photo 2. Farmer John's wife has chased away the dog.



Photo 3. Wife feeds chickens when John isn't looking.



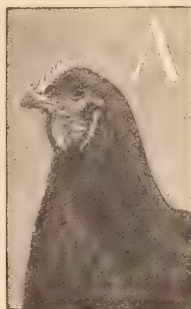
Photo 4. Wife hides a basket of eggs under buggy seat.

Photo 5. "Buy all that with a half dollar?"  
"No the eggs bought it."

lighter than the dark muddy appearing product of today, and have you not in the male I have described, a specimen that the whole world will look upon with satisfaction and admiration? I am asked would I abolish undercolor altogether? I reply, not necessarily. I would make the most attractive surface color possible by requiring the bars both dark and light to be of equal width, and I have reason to believe with such a surface color there would be a correspondingly bright undercolor, but, be that as it may, to produce a brilliant surface color is our aim first and always, and if the undercolor happens to be barred, well and good, we have not the slightest objection. But we do protest most emphatically against judges giving so much value to undercolor, when surface color is the quality of value. Now that a skirmish line has been formed, I hope breeders will exhaust their ammunition in expressing their views on this important matter as concerns the GRAND OLD BREED. See to it, my fellow breeders, see to it that our Barred Plymouth Rock is saved from the rock, and with the searchlight of progressiveness to light our future course, the GRAND OLD BREED will experience smooth sailing, and maintain its popularity so many years enjoyed.

### MOVING PICTURES TEACH POULTRY HUSBANDRY

Oregon Agricultural College Demonstrates the Possibilities of the "Movies" in Poultry Educational Work. By Prof. James Dryden, Corvallis, Ore.



MOVING PICTURE FILM about fifteen hundred feet long, teaching lessons in poultry keeping, was made at the Oregon Agricultural College in September, 1912. It was first shown at the State Fair, where continuous exhibitions were given in a large auditorium every day during the week. It was a humble story of chickens, yet the crowds went day after day to see the show, then came back again to see it again until it was the talk of the fair. It was a course in poultry husbandry, and no text book in half a week's study would help the poultry industry so much as this half hour's course in motion poultry husbandry. The possibilities of moving pictures in

poultry educational work were fully demonstrated.

Since then and during most of the winter the film has been in use. It has been impossible to fill all the demands for it. There have been requests for it from a number of eastern and western states which it has been impossible to grant at present owing to the demand for it at home. During the past winter the writer used it in a four weeks' lecture trip over the state of Oregon. The pictures were shown and poultry talks given every day, sometimes twice a day, in the moving picture theaters, with an average attendance of about 400 persons. In places it was impossible to get all the people into the halls.

#### A Moving Egg Story With a Lesson.

Though the peoples of the civilized nations are eating about a billion dollars' worth of eggs a year, the business of producing the eggs is a neglected rural pursuit. The film explains that farmer John has no use for chickens. He sickens the dog on them and forbids wheat being fed to them, but where there's a will and an apron there's a way. The chickens get wheat and the wife gets eggs and he doesn't know it. A typical farmer of this class is seen coming out on the back porch lighting his pipe. He picks up a halter to go to the pasture to get the horses when he spies a chicken near the doorsteps looking for table scraps. He calls the dog, which immediately appears and puts the chicken to flight, then conscious of having done his duty or upheld his dignity he saunters off with the halter over his back. At the same time the wife hurries out of the door holding a broom aloft to undo the wrong of the husband and protect the hen. She chases the dog off. And thus we have a love scene—the love of the wife for the chicken—and very few moving picture films have been licensed without love scenes. The poultry film, therefore, starts out in an orthodox way, without the love, however, being lavished on a worthless man.

The wife then seizes the opportunity to smuggle an apron-full of wheat from the granary, and by the time John returns from the pasture field with the horse, she is wielding the broom vigorously from the porch and porch steps, and the



chickens having finished their meal, John gets no inkling that his grain bin has been rifled.

This may be neither good morals nor good business, but it would be interesting to know how much the great poultry industry owes to the farmer's wife's thrift, and how much it loses through the neglect of the farmer.

John, of course, must go to town occasionally to meet his fellows on the street corners and keep adrift of the times. The film shows him hitching up his horse when his wife approaches him timidly and says, "Please may I go along?" He grants permission somewhat grudgingly. She borrows half a dollar from him for spending money, then goes and fixes herself up and when John has his back turned, giving instructions to Billy to hoe the corn, she hides a basket of eggs under the seat. She then jumps into the buggy and they ride off to town.

The hens are neglected by the farmer, but they are nevertheless doing a great deal for him. The film shows them returning from town and Mary spreads her purchases on the table. When John walks in he looks amazed at the parcels and says, "Did you buy all that with half a dollar?" There are groceries for the family; a new hat for Mary; socks and tobacco for John; shoes for Billy, etc. Then Mary gives away the secret that the hens did it all, and she shows him the following statement showing what the 36 hens did during the year, and John's wonder grows:

**Bought of Smith's General Store.**

Groceries .....	\$24.50
Shoes .....	12.50
Drygoods .....	13.00
Socks for John.....	1.17
Tobacco .....	8.25
Spring hat for wife.....	3.25
Calico apron .....	.25
School books .....	5.00

Total .....	\$67.92
Sold 300 dozen eggs.....	75.00

Here is an awakening in a hardened soul and Mary evinces great joy. Then to complete John's conversion Mary shows him an Oregon Agricultural College poultry bulletin. John looks it over earnestly; then he calls in his son, Billy, hands him a new pair of shoes and shows him what mother had done with the hens. Then he calls his attention to something in the bulletin. Billy slips out and brings in a surprised hen. John fondles it in his arms and there is general rejoicing when some one says, "Hurrah! for the hen; may her son never set."

"No more sicking the dog on the hens;  
No more stealing the wheat.  
A feed bucket replaces the apron;  
A colony house is built;  
Clean ground is furnished;  
100 good hens are kept—and  
Billy tends school and the chickens."

The film then shows that neglect has given place to system. John and Billy have taken the burden off the wife's shoulders. They start in poultry keeping in an approved way. Dirty yards and tumble-down coops have given place to modern houses and clean yards. Billy has turned carpenter and he and his father are shown nailing on the siding of a colony house. Next we see the completed house and a team of Percherons hauling it off on to clean ground. Billy tends school and the chickens. One hundred hens is the unit set for farm poultry keeping. Billy, therefore, has two colony houses and 100 hens. "HE FEEDS THEM EACH DAY:

Bran ..... 7 lbs.

Middlings ..... 3 lbs.

Mixes it with buttermilk and feeds it in the morning.

For green food he hangs up kale.

Feeds wheat and some oats after school.

Beef scrap, or buttermilk all the time.

Then keeps them busy."

He is shown mixing the mash in the morning, measuring out the different parts and mixing it with buttermilk. Next he is shown feeding the chickens the mash in feed hoppers, and the fowls evidently have good appetites for breakfast.

Then he brings them a head of kale, weighing about 15 pounds, hangs it up on the side of the house and the importance of green food is thus taught, also the importance of sanitary methods of feeding it.

Billy then goes to school. The next view shows him returning from school with his school books strapped on his back. Then he dons his working clothes and feeds the chickens wheat. This is scattered in clean straw and an exciting game of chicken football begins. The film explains that "The hen will raise the mortgage if you will let her scratch." From the way they are scratching on the film it



Photo 6. Starting in a better way.



Photo 7. Moving the poultry house.



Photo 8. Billy feeds wheat and greens after school.

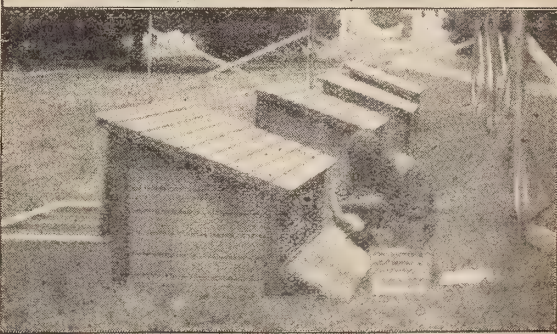


Photo 9. Billy sets the hens.

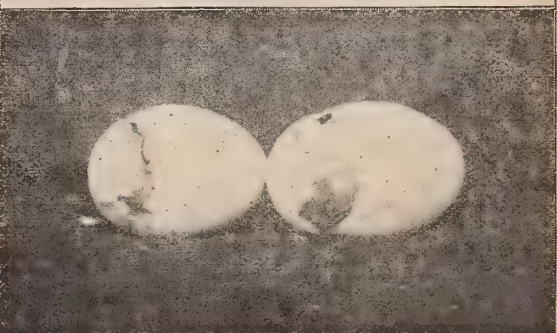


Photo 10. The crack in the egg shell grows gradually larger.





Photo 11. The chick forces his head out and rests a moment.



Photo 12. Almost free from the prison shell.



Photo 13. "Just out" - An attractive feature of the film.



Photo 14. Billy has a hatful of eggs from a stolen nest.



Photo 15. The broody hen sits on them a while.

looks as though they were trying to raise several mortgages.

The film has thus shown methods of housing and methods of feeding. It then shows methods of hatching and raising the chicks. The point is made that all the equipment needed for farm poultry keeping where the farmer keeps 100 laying hens, is two colony houses with four hatching and brooding coops. These coops are then shown with Billy placing eggs in the nests and then putting the sitting hens on them.

Probably the most striking feature of the film then follows. The explanation is given that: "The chicks begin to hatch." Two eggs are shown and two small cracks in each appear. The chick is breaking the shell. The break becomes gradually larger and larger as the chick struggles to free itself. Finally one breaks the end of the shell off and its head appears. The other one has a little harder struggle, but is making progress. A few violent kicks and the first one throws its head and neck completely into view, laying its head down flat and rests a moment to gain further strength, then renews the attack, finally breaking through its prison walls by the time the second chick is about half way through the shell. The film finally shows two happy, fully developed, dry, fluffy chicks standing beside the discarded shells, taking their first view of outdoor life. They evince their pleasure in the outcome by running around and exercising themselves, to the delight of the audience.

Immediately there is run off on the reel a most realistic view of 100 chicks just hatched in the incubator. The whole bunch is in motion and the effect is most striking. This completes the first feature of the film, which may be called the old and new way of poultry keeping.

#### Marketing.

The moving picture machine then takes up the subject of handling and marketing eggs. It is estimated that about \$50,000,000 a year are lost to the producers of the United States on eggs, through methods that injure their quality and selling value. Two or three things are portrayed on the film that are responsible for a large part of this loss.

A few years ago, or to be more accurate, two or three thousand years ago, hen eggs had no market value. Biddy was then a wild denizen of the jungle. She laid eggs for the purpose of hatching chicks out of them, or, in other words, for reproducing her kind, and not for the purpose of reducing the high cost of living. The ancients didn't eat eggs and they didn't know what they were missing. Finally one year the crops failed and there was famine in the land. A farmer found a stolen nest (they were all stolen then, and the trait of stealing her nest has not yet been bred out of the hen). The farmer was going to see if those eggs would preserve his life a few days longer. He proceeded to break into an egg and it proceeded to break out upon him and the smell of it very nearly ended his flickering life then and there. No eggs for him. He preferred to die of starvation, and he did.

A century or two later another farmer was in dire need of something to eat. He found a fresh-laid egg. He tried it on the dog first and it didn't kill him; then he ate one himself, and, behold, it was good! And instead of porterhouse steak at starvation prices he robbed the hen's nest and defied the high cost of living and the beef trust. That was the beginning of our billion-dollar egg industry. One man got a bad egg from the stolen nest or broody hen and wouldn't eat any more. The other man got a good egg and demanded more of them. The stolen nest and the broody hen have come down to us from the ancients, and we have the rotten egg and stale egg problem with lessened consumption. If we can abolish the stolen nest and relegate the broody hen to her proper sphere, there will be a demand for millions of dollars' worth of eggs more than are now eaten.

The results from poor handling of the eggs and poor marketing methods are vividly portrayed on the film. Dickey is playing around the barn, when he hears a cackle, and turning around sees a hen run from under the barn. This gives him an idea and he hurriedly crawls under the barn. He comes out with a smile on his face and a hat-full of eggs, and runs with them to his mamma. His mamma is exceedingly pleased and the boy hurries off to repeat the performance. Next we see him fighting with a broody hen on the nest. The hen fights hard and pecks at him and looks like the proverbial wet hen. The boy is evidently scared, but he watches his chances and finally secures another hat-full of eggs and runs in great glee to his mother, who praises him. As the mother enters the house the boy picks up an egg from the porch steps which had dropped from the hat. He throws it quickly down, however, and holds his nose.

The next scene shows the farmer and his wife starting off to town, eight miles distant, with a case of eggs. It is 104° in the shade and no shade for the eggs. The eggs are shown in the back of the buggy with the hot sun beating upon



them. Hatching temperature is 103° and incubation will start at lower temperatures. By the time they get to town, of course, incubation has started in the eggs. Then the film explains that:

"Before the eggs reach the consumer the broody hen sits on them a while, the sun incubates them a while, the railroad rides on them a while, the city storekeeper broods over them a while, and the consumer raves over them for quite a while."

Next we see a city consumer at the breakfast table. His wife brings him a couple of boiled eggs to eat. When he breaks the first egg the contents, which are of a black color, run out into his plate. He looks disgusted and raves about the egg, and his wife holds a handkerchief to her nose and cries. No more eggs for him. The farmer has lost a customer. Thus the producer shows his love for his best friend, the consumer, and the consumption of eggs is curtailed.

A valuable lesson is then given on quality of chicken meat. The farmer is told that the old hen is not profitable.

"A Good Lesson."

"Kill off the old hens that have lost their teeth. They are not good layers.

Neither are the old hens good for the consumer.'"—College Bulletin.

The farmer is therefore not treating either himself or the consumer right by keeping the hens too long. Acting on this advice, the farmer is shown in action culling out the old hens. Those without teeth he puts in a crate and ships to market. Then the consumer is shown sitting down to dinner with a good appetite and a pleased expression as a roast



First R. C. Black Minorca cockerel, club show, Boston, Mass., January, 1913. Bred and exhibited by H. A. Keister, Bangor, Mich.

chicken is set before him. He begins carving and the smile on his face gradually dies away as he fails to make any headway. He wrestles with the chicken awhile, sharpens his knife and tackles it again, only to give up in disgust. "Thus the old hen has curtailed consumption." With a better quality of chicken meat consumption would be doubled.

A lesson in candling and grading the eggs is then run off the reel, showing the actual operation.

Some lessons in breeding and breeds are given. There is a procession of 200-egg hens, followed by a procession of 100 Barred Rock cockerels, lively vigorous fellows, all bred from 200-egg hens. Individual good and poor layers are shown, and individual male birds, scratching, crowing and flapping their wings on the screen.

The operation of trapnesting the fowls is clearly demonstrated with the Oregon Station trapnest. The fowls are seen jumping up to the nests, entering the door and closing it behind them. The attendant comes around, releases the hen, takes the egg and marks the egg record.

Finally a very attractive scene is shown, entitled "A College Threshing Scene." A hundred White Leghorn pullets are threshing a shock of wheat. This is a sort of self-feeding separator. The scene is exceedingly lively, and after the sheaves are torn to pieces the fowls are busy scratching in the straw, when suddenly and without apparent cause, they take to their wings and fly at the audience, and the picture machine says SHOO.



Photo 16. The sun incubates eggs on way to market.



Photo 17. A bad egg for breakfast. No more eggs for him.



Photo 18. Culling the "toothless" hens for market.

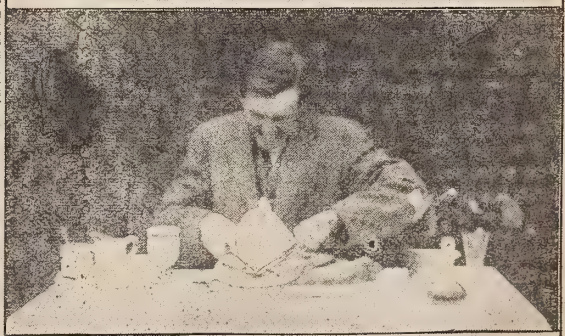


Photo 19. A case of tough "chicken" meat.



Photo 20. A threshing scene.



# Stoddard on That Remarkable Bulletin

A Detailed Review of Dr. Pearl's Recently Issued Bulletin of the Bulletin of the Maine Station  
By H. H. Stoddard, Riviera, Texas



IT IS PROPER on receiving a bulletin, to turn to the summary. Darwin set the good example of the summary, and scientific writers have been following it ever since. Often it is not necessary to read the body of a bulletin at all, because you need to know only what the author is trying to get at, the nature of the experiments by which he proposes to reach the truth, and, lastly, his conclusions. A thousand details in the body of the pamphlet the reader may skip if he is pressed for time, and I observe that the very class most likely to read a scientific treatise is a class that almost always is thus pressed.

The summary in the bulletin under discussion is, however, so misleading that if Dr. Pearl finds he is misunderstood he has only himself to blame. Ninety-nine out of a hundred readers naturally believe that his bulletin teaches that descent of high fecundity is only through the male line, and that the females cannot bestow it to their progeny of either sex. Yet really what it teaches is that the females have just as much power to impress fecundity on the race as the males have. See Bulletin of Maine Station, No. 205, pp 378-9, or quotations of same in this magazine for March, p. 487, col. 3.

What Dr. Pearl really teaches is that high fecundity is transmitted equally by both sexes, and by alternation, but in his summary (misleading because incomplete) he has laid a trap for his readers; for, although it tells what the daughters inherit, and from which parent, it is silent as to what the sons inherit and from whence. Such information must be picked out of the body of the treatise where it is like a needle in a haystack. If the doctor had studied hard to be obscure, he could not have better achieved his purpose. He winds up, page 391, with the observations:

"To the practical poultryman the data and conclusions of this paper would appear to have some significance. They make it possible to outline a scheme of breeding for increased egg production which shall be intelligently directed towards the attainment of that end. This, however, is not the place to discuss such a scheme. That will be undertaken later in another place."

Readers, however, need not wait for another bulletin. The proper "scheme of breeding" is apparent at a glance, supposing the Pearl doctrine of inheritance of fecundity through alternation by sex is true, as we shall see farther on.

As I have said, the bulletin's summary naturally leads its readers to infer that high fecundity is inheritable through males only. Here I will take the liberty of using Mr. Taft, a neighbor of mine, to enable me to illustrate.

When the president was making a campaign speech in New Haven, Conn., a civil appearing man begged to ask a question. "Certainly," the orator said. "If a man has a wife and four children, and not a cent, and has hunted a job in vain for three weeks, what is he to do?"

"The Lord only knows," said Mr. Taft, and went on with his speech. A poultry keeping neighbor "dropped in on me" who had been reading the bulletin under present consideration. He was a trifle excited and exclaimed that it taught that big laying does not descend through hens but only through roosters.

"Where did they get it?" I asked. "From other roosters," he replied. "And where did they get it?" "From others." "But where did it come from in the first place?" "The Lord knows," he said, "but anyhow cockerels inherit fecundity from their sires, according to Dr. Pearl."

My correspondence with others, in various parts, imbibed the same idea, and thought that the bulletin asserted that hens, though indispensable as egg producers and useful in a way, were of no account as transmitters of unusual laying powers. That males were the high priests to carry the ark of the covenant.

But my neighbor had not read with sufficient care. I asked him if he was sure regarding Pearl's position. "Oh, yes," he was, "and the doctor applied it to the production of butter and beef also, and lectured before a farmers' or cattlemen's meeting in Maine to the effect that breeders had been wrong hitherto in placing their selection on the

female side or on both sexes, but should select males alone as the basis of the quality desired, be it color, shape, size, butter fat or anything else."

Whatever may be true about Dr. Pearl's speech, and I believe my neighbor misunderstood it, in part at least, it is true that the Bulletin, although it gives on pages 378-9 (quoted in A. P. J. editorial, page 487, col. 3, March issue) what appears to be at first sight a complete Pearl formal doctrinal compendium, to-wit:

"High fecundity may be inherited by daughters from their sire independent of the dam.

"High fecundity is not inherited by daughters from their dam.

"A low degree of fecundity may be inherited by the daughter from either sire or dam or both," yet this summary omits stating whether or no cockerels inherit from the dam the factor of fecundity which it says they transmit to their daughters.

But we are not left entirely in the dark. My neighbor had not read, or he too hastily read, page 317 of bulletin, about an illustrious male Barred Plymouth Rock, No. 552, who had poor laying sisters but whose mother was a good layer, which even in winter gave sixty-one eggs. "From her he evidently got," says Dr. Pearl, "a factor of high fecundity which his sisters could not acquire in this way."

Therefore we are justified in adding to the bulletin, page 379 information from page 317, and by changing the form so as to be concise, we have:

High fecundity is inherited by daughters from their father and by sons from their mother; but is not inherited by daughters from their mother nor by sons from their father.

This shows that my neighbor was mistaken in construing the bulletin. It does not teach that high fecundity descends from grandfather to father and from father to son, but that it descends, by regular succession of generations through regular alternation of sexes, that is, from great-great-grandmother to great-grandfather, then to grandmother, thence to father, thence to daughter, thence to son, and so on.

Taking the above as a guide regarding the "Mode of Inheritance of Fecundity in Domestic Fowl," to quote the bulletin's title, the poultry breeder who is aiming to produce that which he long has sought and mourned because he found it not, namely, a 200-egg strain, may proceed confidently.

First, to get highly fecund males, beg, borrow, buy or steal a female eminent in fecundity. Mate her with any cock according to convenience, no matter whether his fecundity is high or low. From this mating you will raise roosters that will, when mated with whatever hens that are handy, no matter whether they are of high or low fecundity, produce daughters that will lay like sixty.

Mark the result. Of course you will, in succeeding generations, have no poor layers on your premises. You will have superior layers all your life, after the old stock is killed off, and will again need to beg, buy, borrow or steal nary an extra fecund female, from which to raise eminent males for breeding purposes, to get other eminent females, to yield other eminent males, to mate with eminent females, and thus and so on and on. If you don't go outside of your own ranch for breeders it will be impossible for you to procure anything other than good birds of either sex for breeding stock.

The path of the poultryman is to be henceforth greased with butter. What can be more simple than the plan above described? Yet the doctor sneers at the "childishly simple scheme" hitherto followed. See page 388 where he says:

"Selection to the breeder means really a system of breeding. Like produces like, and breed the best to get the best; these epitomize the selection doctrine of breeding. It is the simplest system conceivable. But its success as a system depends upon the existence of an equal simplicity of the phenomena of inheritance. If the mating of two animals somatically a little larger than the average always got offspring somatically a little larger than the average, breeding would certainly offer a royal road to riches, but if, as a matter of fact, as in the present case, a character is not inherited in accordance with this beautiful and childishly simple scheme, but instead is inherited in accordance with an absolutely different plan, which is of such a nature that the application of the simple selection system of breeding could not possibly have any direct effect, it would seem idle to



continue to insist that the prolonged application of that system is bound to result in improvement.

"It seems to me that it must be recognized frankly that whether or not continued selection of somatic variations can be expected to produce an effect on the race depends entirely on the mode of inheritance of the character selected. In other words, any systematic plan for the improvement of a race by breeding must be based and operated on a knowledge of the gametic condition and behavior of the character in which improvement is sought rather than the somatic. Continued mass selection of somatic variations as a system of breeding, in contrast to an intelligent plan based on a knowledge of the gametic basis of a character and how it is inherited seems to me to be very much in the same case

to the long inclement winters of a climate unnatural to descendants of *Gallus bankiva*, to the cumulative effects of artificial incubation continued through successive generations or possibly to inbreeding to some extent, or to less care given in the later generations. Any lack of equal conditions in the environment in different years, as the experiment progressed, would, of course, vitiate conclusions.

The fact is the bulletin is wrong. High fecundity and low, too, may descend from either sex to either sex or it may not descend at all directly from either to either. There will be sometimes great irregularity, and scattering every which way, and reversion to remote ancestral types, especially if there has been a cross of strains considerably diverse.

Selection for the purpose of breeding from the best to get the best even if it is "childishly simple," will continue to be the only way to fix characteristics, and among many misses there will be some hits. Breed "the best to the best" and though you may find that some of the progeny may not be as good as the average of their parents, yet some may be as good and some decidedly better. It was eminent layers arising from eminent layers that in the course of ages brought the six or eight eggs, twelve or sixteen if there were two broods per annum, of the jungle fowl to, say, fifty and upwards, under the mathematical law that the more eggs a domesticated bird lays the greater the chance that her eggs will be set. Also profuse laying implies profuse feeding and poultry keepers gave more food, and through a longer time of the year than their wild ancestors, and their still wilder predecessors with little farming or none had little to feed their fowls with.

In time the average of fifty eggs, or such a matter increased, as was inevitable under the mathematical law above stated, to seventy or eighty, and then in certain parts of the world where there were no long, cold seasons, the trait of non-sitting came to help. This trait, at first the result of



as a man who, finding himself to be imprisoned in a dungeon with a securely locked and very heavy and strong door with the key on the inside, proceeded to attempt to get out by beating and kicking against the door in blind fury, rather than take the trouble to find the location of the key and unlock the door. There is just a possibility that he could get out finally in a very few instances by the first method, but even in those cases he would be regarded by sensible men as rather a fool for his pains."

See how Dr. Pearl despises the old-fashioned practices. But now come to look at it, how different is the method I have described as the one a convert to Pearlism, or alternation, would have to follow from that which poultrymen have been accustomed to pursue? When they have trap-nested and used for breeding no hens but heavy layers they will soon have, according to Dr. Pearl, no cocks at all to use but those whose dams were heavy layers; and have they not been acting exactly like a Pearlite? They selected an eminent layer. Of course they had not dreamed that her excellence came from her father according to the Pearlmanian theory of alternation by sex, but that did not matter. Paired her with a cock whose constitution was just loaded with latent fecundity derived from his dam, the literally damed good quality being just what a Pearlite would approve. Now, if the "childishly simple scheme" or "breeding from the best to get the best," which "is the simplest system conceivable," was so totally and disgustingly fruitless in the past; will the identical practice result differently because masquerading under a new name?

Notwithstanding selection of the best to get the best has power to increase fecundity, that power may be offset by unfavorable conditions and may even be more than offset, so that in spite of the most rigid selection the stock may not only fail to improve or even hold its own, but may deteriorate. The oft quoted failure of the Maine Station to increase laying has been attributed by different writers



fecundity, later became its cause and effect both, and the one hundred mark was reached. The breeding "from the best to get the best" has brought certain strains of fowls from that point to the one hundred and thirty-five egg standard. If it is to reach the two hundred notch, it will be in the same way progress has been made through past ages. Natural laws have not been repealed and will not be.

Bulletin No. 205 of Maine Station contains a curious unreliable statement. On page 286, we read:

"The mere presence of an anatomically normal reproductive system, including a normal ovary with a full complement of ova, and a normal oviduct, is not enough to insure that a hen shall lay eggs, that is, exhibit actual as well as potential fecundity. While comparatively very rare, cases



do occur in which a bird possesses a perfect ovary and perfect oviduct and is in all other respects entirely normal and healthy, yet never lays even a single egg in her life time. Such cases as these prove (a), that what we may call the anatomical factor is not alone sufficient to insure that potential fecundity shall become actual, and (b) that the anatomical and physiological factors are distinct, in the sense that the normal existence of one in an individual does not necessarily imply the co-existence of the other in the same individual.

"A case of this kind is found in hen No. 8051 hatched March 29, 1909, and killed for autopsy record August 24, 1911. This bird had the secondary sexual characters of the female perfectly developed, and was entirely normal in other respects (body weight, 2366 grams). This bird never laid an egg during its life. The ovary was normal and was of about the size proper to a fully developed pullet just reaching the point of beginning to deposit yolk rapidly in certain oöcytes in preparation for laying. While counts were not

identical personality and character, at this very instant of time, in the exact spot of all others on this globe where you are now, and reading these very lines; while I should mayhap at the same instant be wondering whether in these sentences I made my meaning plain to you.

Fatality is omnipresent throughout the universe, no matter whether human life or bird life or anything else is considered. All things have to be as they are and all of us do as we have to. No drop of rain falls but the direction it takes is as strictly determined as that of the late stupendous flood, and the path of neither could have been followed if every previous drop of water on the globe had not moved just as it did at the time it did.

Please read the quotation again and notice the very broad and comprehensive terms laid down. "All other respects entirely normal and healthy." Every condition necessary to laying, both anatomical and physiological, is present; and yet a bird might never lay "even a single egg in her life time." The anatomical requisites are all there surely, for the hen has a "normal reproductive system including a normal ovary with a full complement of ova and a normal oviduct," and the physiological requisites are all present, yes, every one, or she could not be in all respects "entirely normal and healthy." Why! Under those conditions not even the influence of a male bird would be needed, and she could no more help laying than gunpowder could help burning if a live coal should be placed on it.

Now, if some Pearlite should say that on top of every other imaginable requisite a certain platonic "principle" or "essence" of fecundity, or reproduction, must appear as a "factor" at a certain age of a hen-pullet or she couldn't have the laying power, the reply would be darned transcendental nonsense. It would be like saying that the warmth and rains of spring, in conjunction with fertile soil, and perfect life and vigor of a tree could not make it leaf out unless an impalpable transcendental essence or principle of vivification or leafication were added.

The naive description Dr. Pearl gives, page 286, of "Hen No. 8051, killed for autopsy," is remarkable as proceeding from a professor of biology. "This bird had the secondary



made this ovary appeared to carry a normal number of oöcytes. In general it was anatomically normal, but physiologically in the state of development appropriate to a five or six months old pullet just about to lay. The same was true of the oviduct. In this case the physiological factor or factors necessary to the bringing about of ovulation were simply totally lacking, in an otherwise perfectly normal bird."

The above will not hold good at all. A hen possessing "a perfect ovary and perfect oviduct and which is in all other respects entirely normal and healthy" will lay, that is all there is about it. Of course, food, warmth, exercise, etc., are implied or the hen couldn't be "entirely normal and healthy."

Dr. Pearl, of course, means that the bird is in a suitable climate, has suitable food and drink and so on, otherwise the proposition would be sheer nonsense. He would not insult his readers by tying the bird down in a snowbank and starving her. She wouldn't remain entirely "healthy" very long. No, take the case just as he states it, and it would be as impossible for the hen not to lay as for water to keep from running down hill, or for thistle down to not be wafted in a gale.

Our author ignores the doctrine of fatality. There is an inevitability in every occurrence no matter what. Given a certain heredity and a certain environment, and certain results follow as surely as night follows day. If you and I were to be born again, of the same parentage, at the same age of the world as before, and subjected to exactly the same influences of bringing up, with the same neighbors, playmates and surroundings, in a word the same environment as before; you, my reader, would be, with your



A prize-winning Silver Campine. Owned by Manhattan Farms, Brighton, N. Y.

sexual characters of the female perfectly developed and was entirely normal in other respects (body weight 2366 grams). This bird never laid an egg in her life."

Just as if scalpel, microscope and human eye could reveal everything. Am reminded of a discussion between two persons, one being a Spiritualist who claimed that there were sometimes cases of suspended animation where the spirit left the body and went away off somewhere on a roving commission, and came back when it got ready, and reanimated the body of clay. The other person replied that



the physiological machinery of the seemingly dead subject was out of order, and, on some change taking place, consciousness reappeared. "Oh, no," said the other, "suspended animation sometimes occurs when the subject is perfectly healthy and all right in every respect."

"It is impossible to tell by any test that can be made," was the reply, "whether such a delicate and complicated machine as comprises human nerve and brain is exactly right or not. A small thing may stop a watch, a small obstacle in the brain may produce fatal apoplexy, and a very elusive thing may banish consciousness."

A very valuable addition to knowledge is given by this Bulletin in stating the results of a careful count of the oöcytes, or beginnings of possible eggs, visible in the ovaries of fifteen hens. These vary from 914 to 3605. Thus the old Geyelin yarn is officially discredited, and more thoroughly than ever before. The ghost is laid.

In Geyelin's book, the American edition of which was published in 1867, it was asserted that the minute ovules clustered in the ovary numbered 600 and "therefore a hen during the whole of her life, cannot possibly lay more than 600, which in a natural course are distributed over nine years in the following proportion:

First year after birth.....	15 to 20
Second year after birth.....	100 to 120
Third year after birth.....	120 to 135
Fourth year after birth.....	100 to 115
Fifth year after birth.....	60 to 80
Sixth year after birth.....	50 to 60
Seventh year after birth.....	35 to 40

## Report of National Egg-Laying Contest

Black Langshans Make Record for March—White Leghorns From England Still Lead for the Entire Time, With a Total of 890 Eggs



THE race is becoming much more interesting. The majority of the hens have settled down to business and nearly every pen is making a very creditable showing, some doing much better than others, of course. The total record for the month was 12,889 eggs, which runs the grand total for the four and a half months up to 34,525 eggs. No remarkably high records have been made thus far, but the general average is much better than last year. The English pen of S. C. White Leghorns is 129 eggs in advance of the next highest pen. From the results obtained thus far at this place and at Storrs, Conn., and from our own knowl-

edge of conditions, we believe the English breeders have been studying the question of breeding for egg production much more than have the breeders of this country. This is one of the objects of this contest. We hope to stimulate some such interest in this country. Notwithstanding the views of some of our leading authorities to the contrary, we believe if the fowls have been properly bred, if given reasonably good care and reasonably good feed, they will produce a greater number of eggs than another pen of fowls of the same variety which have been carelessly and promiscuously bred, even though this last mentioned pen may get as good or perhaps better feed than the first named pen. Our observations and investigations thus far bear out these facts.

One Buff Orpington pullet, No. 647, laid 29 eggs in 28 consecutive days this month, laying 2 eggs in one day. She then went broody for the second time this season. Broody hens now begin to trouble us. Six hens—one White Wyandotte, one Buff Plymouth Rock, one Black Langshan, two White Orpingtons, and one Buff Orpington—each laid 30 eggs in the 31 days. One hen, which made a high record last year, has only laid 2 eggs this year. Another high record hen is also making a good record the second year. A pen of Black Langshans, No. 57, from Missouri won the silver cup for the best record for March by laying 248 eggs in the 31 days. Three out of the 12 highest pen records for March were made by Black Langshans, 2 were White Wyandottes and 2 were Silver Wyandottes.

The twelve highest pen records for the first four and a half months of the contest are as follows, three pens out of the twelve highest having tied:

Eighth year after birth.....	15 to 20
Ninth year after birth.....	1 to 10

That preposterous rigmarole has been in the absurd poultry columns of agricultural papers showing how much their authority amounts to.

Reader, please notice the yield for the first year of "15 to 20," yet the poultry press has shown over and over again that in a majority of cases the hen-pullets beat the hens.

In April A. P. J. concerning Dr. Pearl's Bulletin it was pointed out that as a tendency towards unusual frequency of twins (in the human race and in all animals which produce normally but two at a birth) frequently descends from dam to daughters or granddaughters, and crops out for a number of generations making a "twin strain" irrespective of the sires which are from non-twin strains; it is therefore proved that, outside of bird species, unusual prolificness may descend on the mother's side to her daughter's in cases where it plainly does not exist at all on the father's side.

Now, it should be added that the tendency towards twins is decreased fifty per cent, we may reasonably suppose every time there is a union introducing blood with no such tendency, and accordingly the twin-bearing trait peters out in a few generations. But while it lasts, the following very significant fact is revealed. Not the daughters alone of a twin bearing human strain transmit the fecund trait to following generations, but the sons also inherit the same power of transmission to their progeny. Both sons and daughters may inherit fecundity from fathers, and both sons and daughters may inherit fecundity from mothers.

Pens.	Eggs.
No. 2—S. C. White Leghorns, England.....	890
" 23—Silver Wyandottes, Illinois.....	761
" 57—Black Langshans, Missouri.....	736
" 19—Silver Wyandottes, Iowa.....	711
" 33—Barred Plymouth Rocks, Illinois.....	668
" 58—Buff Orpingtons, Missouri.....	640
" 49—Black Langshans, Missouri.....	637
" 30—Buff Wyandottes, Vermont.....	633
" 20—White Wyandottes, Arkansas.....	627
" 24—White Wyandottes, New Jersey.....	627
" 56—White Orpingtons, Kentucky.....	627
" 43—S. C. Rhode Island Reds, Florida.....	620

Nineteen pens of 10 hens each laid more than 200 eggs per pen during the month. The 12 highest pen records for March were as follows:

Pens.	Eggs.
No. 57—Black Langshans, Missouri.....	248
" 2—S. C. White Leghorns, England.....	234
" 56—White Orpington, Kentucky.....	233
" 49—Black Langshans, Missouri.....	224
" 27—Silver Wyandottes, Missouri.....	223
" 47—Buff Plymouth Rocks, Missouri.....	222
" 46—R. C. Rhode Island Reds, Indiana.....	220
" 23—Silver Wyandottes, Illinois.....	220
" 11—Black Minorcas, Iowa.....	219
" 39—Barred Plymouth Rocks, Iowa.....	219
" 9—S. C. Brown Leghorns, Missouri.....	218
" 53—Black Langshans, Indiana.....	216

During the first 136 days of this year's contest, the leading pen has laid more eggs than the two leading pens of last year's contest laid in the first 151 days. The leading hen this year has laid 113 eggs in the first 136 days of the contest, and the leading hen last year laid 116 eggs in the first 151 days. The individuals and pens are each making better records this year than last. The 12 leading hens have made the following records for the first 136 days:

Hens.	Eggs.
No. 66—S. C. White Leghorn, England.....	113
" 860—Buff Wyandotte, Vermont.....	108
" 735—Black Langshans, Missouri.....	104
" 600—Buff Wyandotte, Missouri.....	103
" 656—White Wyandotte, Arkansas.....	103
" 2076—Buff Orpington, Missouri.....	103
" 709—Buff Plymouth Rock, Missouri.....	102
" 68—S. C. White Leghorn, England.....	102



" 601—Silver Wyandotte, Iowa.....	101
" 62—S. C. White Leghorn, England.....	101
" 2158—Buff Orpington, Missouri.....	101
" 65—S. C. White Leghorn, England.....	100

### The Feeding Test.

We are now beginning to hatch a few chicks from these pens to determine, if possible, if the different methods have any noticeable influence on the percentage of fertility of the eggs, the hatchability of the same, and on the livability of the chicks. We have male birds of the same age and breeding in all pens.

In the pen where the same kind of feed has been kept before the pen of five White Leghorns and five Buff Orpingtons, and are allowed to eat as much or as little of each kind of food as they desired, the results have been as follows:

They have laid more eggs than any other of the ten feeding test pens and have eaten the following:

77 pounds oats, principally rolled oats;  
66 pounds wheat;



### "LADY BEAUTIFUL."

Winner of first prize and shape special at Madison Square Garden, New York, 1912-13. Lady Beautiful, like all the great winners of the day, combines with her wonderful form and color a temperament only found in really great birds. She has the natural carriage along with her quality that adds to her attractiveness. Her barring is of the cleanest possible kind with strong contrast, there is no intermingling of the dark bars into the white, but they stand out strong, and seem to lay right over one another. "Lady Beautiful" is a prize, with the best of breeding back of her. Her line has been a prominent winner for years, and we look to her owner and breeder, Mr. C. N. Myers, Hanover, Pa., to produce and show more like her in the future. Mr. Myers makes a specialty of the female line. H. P. Schwab.

60 pounds corn, principally cracked corn;  
36 pounds millet;  
24 pounds sunflower seed;  
18 pounds kaffir corn;  
12 pounds cane seed;  
10 pounds oyster shell;  
189 pounds water;  
130 pounds buttermilk.

They are allowed to help themselves to either and drink a little more water than buttermilk.

They have eaten but little of anything else than the feeds mentioned above and but very little ground feed of any kind. They have eaten twice as much cracked corn as whole corn. The hens in this pen do not seem to be any fatter than the hens in the other pens. They are in just good laying condition thus far.

### Pen No. 64—The Canadian Method of Feeding Laying Hens.

This is one of the most simple methods of feeding hens. Thus far is this proven to be one of the most satisfactory and the hens are making a good egg record.

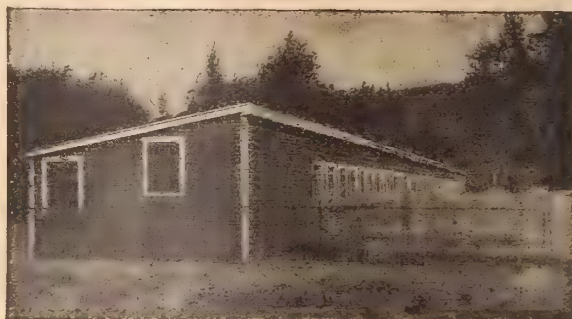
In winter months the grain mixture is composed of two-thirds corn and one-third wheat, thrown into the straw litter. In summer one-third corn and two-thirds wheat; in the spring and fall months equal parts corn and wheat. We feed about a pint to ten hens in the morning and perhaps a little more at night. Rolled oats are fed from a hopper. The hens are also supplied with grit, shell, charcoal, and some wholesome green food. They are given nothing to drink except buttermilk. In our opinion, this is a very well balanced ration for any farmer to use. It is about as simple as you can make it and still get the best results.

### Care of Growing Stock.

Do not fall into the all too common habit of thinking that after a chick is past the first three weeks, it will raise itself. If a chick is to develop into a healthy, vigorous cockerel, or a strong, active pullet that will shell out the eggs next winter, it must have the best of feed and care throughout the entire growing period.

**DO NOT OVERCROWD.** Many of the ills and much of the mortality among growing chicks is due to overcrowding. The brooder or coop should furnish ample room for the little fellows to stretch themselves out at night without coming in contact with each other. Plenty of fresh air should be admitted at all times in such a way that there will be no draughts, causing the chicks to huddle together.

**FIGHT LICE AND MITES.** Like the poor, these little pests are always with us, and a continual warfare must be waged to keep them from exacting a heavy toll of dead,



Breeding pens on the Idlewood Poultry Farm, Swanville, Pa.

dwarfed and stunted chicks. Watch for head lice. Greasing lightly the heads of all chicks over two weeks old with a mixture of kerosene and lard, equal parts, will serve either as a preventative or cure. Also grease lightly under the wings. Be careful not to use too much grease and oil. Application should be repeated in about two weeks if chicks are badly infested. For mites, paint or spray brooding quarters with a mixture of eight parts kerosene to one part crude carbolic acid. This will also serve as a good disinfectant.

**PROVIDE PURE WATER.** The importance of an abundance of fresh, cool, pure water cannot be overestimated. Filthy drinking water is one of the most common causes of disease, and lack of water a too common cause of unsatisfactory growth. All drinking vessels should be scalded at least once a week. In cool, damp weather sufficient permanganate of potassium to give the water a deep reddish tinge will assist in preventing cold and bowel trouble.

**GOOD FOOD PROPERLY FED.** Good feed and plenty of it, easily accessible at all times, is one of the most important "secrets" of successfully producing the best birds, either for market, laying, or exhibition and breeding purposes. After chicks are six weeks old, if they are on free range, they should have free access to a hopper containing equal parts by weight of cracked corn and cracked wheat. If they are confined to runs in which there is no green feed they should be given daily lettuce, sprouted oats or lawn clippings. The grain mixture above mentioned should be sifted and fed in a deep litter of cut clover or alfalfa, or chaff from a barn mow, or finely cut straw, so as to induce plenty of exercise. Plenty of clean, sharp grit should be provided, and a hopper containing the following mixture kept before them at all times. The proportions given are by measure:

8 parts bran;  
4 parts corn meal;  
4 parts shorts or middlings;  
2 parts fine meat scraps;  
1 part fine charcoal.



# Ten Years Trap Nesting W. Wyandottes

Increased Egg Production Influenced by Plenty of Food in Variety and Removal of Eggs From Nest Soon as Laid.

By Helen T. Woods



THE CLAIM TO A 200-egg strain of poultry has been put forth by poultrymen from time to time for a number of years, the inference being given that once you have a flock of 200 egg hens, with the right care in breeding and feeding, you may have them always, if you so desire. It might appear reasonable to believe that by breeding from 200-egg hens mated to cockerels from 200-egg hens that a 200-egg strain may in process of time be evolved. The question which naturally arises, What is lost and what is to be gained in such a process, is worthy of consideration.

Any good, live, well-bred utility strain of poultry today will range from 120 to near the 200-egg mark per year if they are given an opportunity to do so; that is, they must be well fed, meaning good food in variety and plenty of it, kept in open-air quarters, and water supplied them at all times. Under such conditions they could not be kept from laying. Now, in order to increase the annual yield of eggs, birds may be fed a little more heavily and must have the brooding habit checked whenever it makes itself known. The 200-egg hen has little time to devote to hatching and rearing chickens. She produces the eggs and her owner may work weary nights and days over hatching them by artificial means, or under other hens (these will, of course, be less than 200-egg hens, since a 200-egg hen has not much surplus time), and the result is seldom what he would expect from the offspring of such a phenomenal mother.

A little more than ten years ago, Louis H. Lemke, Bryantville, Mass., then living in a western state, began trap-nesting his flock of White Wyandottes with the idea of increasing the egg yield by the yearly selection of the best layers. His birds were of the best utility stock obtainable and he believed that in order to get eggs the birds must be well fed throughout the year. This meant that a supply of green food of some nature must be given in winter as well as summer, and he believed that too much broodiness must not be tolerated. Trap nests of two patented kinds were installed, as well as several others of his own design, and complete and exact records kept of the eggs laid by each bird in his yards. Occasionally one of the birds with either a light tread or a dainty way of getting into the nest would fail to trap herself as she entered or made her escape, and on one or two occasions a nest was found closed with an egg deposited therein, while the hen who had thus shown her cunning had escaped, but on the whole the records kept may be said to be exceptionally accurate.

Mr. Lemke is a man who has kept egg records of his birds not for the opportunity that it offered to advertise their laying ability, but because he earnestly desired to have in his yards the best layers possible. During all the time he has kept records of them, he has adhered to his rule of marketing any bird which remained in the "non-producing class" for more than six weeks at a time. We may be reasonably sure that, in studying these records, they are at least not doctored documents, since there has been no incentive whatever to add to the actual egg yields.

In the beginning, Mr. Lemke was surprised to find that some of his birds were laying between 150 and 180 eggs per year. There were, however, others that did not go much above 100, though having the same food and care. The poor layers were culled out as soon as discovered and eggs from best layers used for hatching. And here disappointment awaited Mr. Lemke, for from one of the best layers he had ever had in his yards, No. 7, who in her pullet year laid 228 eggs, and 183 eggs as a yearling, with a record of 128 eggs as a two-year-old hen, her most prolific offspring, No. 68, laid but 168 eggs as a pullet, and was not kept over for another year. No. 7 was a well-developed specimen and one which, during her three years of service, showed little inclination to become broody. At such times she was easily dissuaded, showing that her idea of usefulness was more the production of eggs than that of perpetuating her race. This was true in more ways than one, since her eggs were not as fertile as were those from birds laying fewer eggs.

The question naturally arises, What is lost by an exces-

sively high egg yield? Providing an abundance of food in variety will increase yield of eggs, and the quality of the egg as food will not be impaired; in the matter of the production of healthy offspring, there is room for serious consideration. Is the game worth the candle if from the eggs of heavy layers we get a low fertility, or weaklings in the offspring? It would seem to depend largely to what extent the matter was carried. In the matter of forcing, in whatever direction it is undertaken, the secret of success lies in knowing the mean between extremes. While it is principally eggs that Mr. Lemke is after, he has trap-nested enough birds to believe that it is not necessarily the best layer in a flock that is the greatest profit-winner. His efforts are to establish a mean between extremes whereby he can get the greatest number of eggs per bird consistent with good breeding.

Last season, for instance, he kept the following birds in one yard; the individual egg record of each bird is given, four of which are above the 200-mark, and the best fertility was shown by the eggs from birds that were not the heaviest layers.

Bird—	Eggs Laid.	Began Laying in—	Hatched.
No. 50.....	235	October	April 11
No. 51.....	226	October	April 11
No. 53.....	197	October	April 11
No. 57.....	208	October	April 11
No. 59.....	191	November	April 11
No. 60.....	193	November	April 11
No. 61.....	179	November	April 11
No. 63.....	194	November	April 11
No. 64.....	181	November	April 11
No. 71.....	194	October	April 11
No. 49.....	227	September	April 11

Mr. Lemke gives credit for the increased egg production in his flock to the abundance and variety of food given them, and to the removal of eggs from the nests as soon as laid. That the hens invariably find empty nests, that is, nests without eggs in them, goes a long way toward inducing a hen to continue laying. No one with any experience with poultry can doubt the effect on laying by constantly removing the eggs from the nests as soon as laid. The hen who steals her nest and lays more than fifteen eggs therein before she is overtaken by the broody fever is most unusual. As soon as any self-respecting hen finds her nest full, in other words, that she has laid all the eggs she can well cover, and the nest is left unmolested for a night or two, she proceeds to cover them and begins the arduous task of rearing a family. Whereas, if the eggs have been steadily and promptly removed, as in the case of the trap-nested bird, she either can't "keep count" or she is so busy producing eggs to make glad the heart of her keeper that she can't spare the time for motherhood. In the case of actually seeing the eggs in a cosy, secluded nest, the mother instinct is too strong to resist.

It naturally follows that a well-fed bird, if not allowed to sit when she becomes broody, will very soon begin laying again, and she can be "broken up" again and again with but very little loss of time from laying.

During the time that the records here given were kept, these birds were shipped by express a distance of about five hundred miles with no let-up in the laying. The birds were cooped and shipped in the evening, and upon reaching their destination the next morning were immediately placed in comfortable quarters. Being trap-nested birds, they show no alarm at being handled at home, and a one-night railroad journey did not affect their laying.

More carefully kept egg records, as carefully kept as those of Mr. Lemke and covering a period of years, would prove of great value in determining the rate of laying most desirable for domestic poultry. An average yearly egg yield from the different varieties of poultry, together with the comparative fertility of heavy yielding flocks and medium heavy yielding flocks, would prove of great value to the average poultry keeper. Such average egg yields for the different varieties would, of course, vary considerably under different methods and conditions of poultry keeping, but what any breed might do in the egg-producing line should be well-known, and published for the benefit of all poultrymen.



# EDITORIAL

## WE LEAD OTHERS FOLLOW

60,000 A. P. J.'S FOR MAY, 1913.

State of Illinois, County of Cook, ss.:  
G. M. Atwell, president of the Atwell Printing House, Chicago, being duly sworn, certifies that the American Poultry Journal has contracted for printing and binding sixty thousand copies of the May, 1913, issue.

G. M. ATWELL,  
Subscribed and sworn to before me this  
24th day of April, 1913.  
(Seal) HENRY G. EISERT,  
Notary Public.

### OUR GUARANTEE.

We guarantee our subscribers against loss due to fraudulent misrepresentation in any display advertisement appearing in the American Poultry Journal, providing the subscriber when ordering the fowls or merchandise states that the advertisement was seen in the American Poultry Journal, and places the order during the month or months in which the ad is inserted in our columns and notifies us of the fraudulent misrepresentation of the advertiser, giving full particulars, as soon as it occurs.

### Hats Off to Professor James Dryden.

Poultrymen should take off their hats to Professor Dryden, of the Oregon Agricultural College, Corvallis, Ore., as one of the most enterprising and down-to-date instructors in poultry husbandry. He has very successfully demonstrated the great value of the moving picture film in teaching poultry keeping and has set a pace that others, including the American Poultry Association, should be prompt to follow.

Several times we have mentioned Oregon's "movies" and for some time have been endeavoring to get Professor Dryden to tell our readers about them. Now we have his story in this issue and it is a most interesting one. Professor Dryden has proved by actual practical test that moving pictures teach poultry husbandry far better than ordinary lectures or any other method of teaching. The illustrations used with his article, "Moving Pictures Teach Poultry Husbandry," are from photos enlarged direct from the film. Fifteen hundred feet of picture film are used in these "movies." Here are extracts from Professor Dryden's letter to us, which accompanied his manuscript:

"Dear Dr. Woods: You and Mr. Stoddard were, I believe, the first to make mention of my moving picture poultry film. It has been quite a success. It has been in use most all winter. I have just finished a four weeks' lecture trip over the whole state, in which I used the film for half an hour, then lectured with slides for an hour more, sometimes two hours when the crowd seemed very patient. Had a talk every day, sometimes twice a day. The moving pictures, of course, were a bigger attraction than my talks. I used the moving picture theaters and there were big crowds. In January the film was shown in the city auditorium during the Colorado poultry show for a week, running it twice a day. I have a letter from them saying it was the

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hit of the show. Several other states and colleges have requested the film, among them your New England state of New Hampshire, for a grange organization. I have written a description of the film in response to your request for an article. The pictures were enlarged direct from the film. Sincerely yours,  
James Dryden."

We are glad to be able to present to our readers this interesting story of the most progressive movement yet made in teaching poultry husbandry. The story of this poultry film is a delightful one, full of human interest and with a lesson in every picture and lessons that cannot fail to prove a lasting benefit. The audience visits "Farmer John" and his wife and with them get the actual experience. Then they see the chickens hatch, see the flock of husky, busy chicks just out and they take these pictures home with them in their memories to see them again over and over. The poultry "movies" are a big thing. Professor Dryden has done untiring pioneer work in this field that is invaluable and we hope to hear of many other instructors who are following his lead.

### If the Coat Fits, Put It On.

When we see some of the fowls that are sold for breeding stock and some of the eggs that are sold for hatching, we cannot help wondering how some breeders manage to stay in the business. Of course a good many customers will complain anyway, a good many complaints are absolutely unreasonable and a good many customers are not sufficiently well posted to know what they should expect for a certain price. Nevertheless, there does not seem to be any reasonable excuse for the indifference and carelessness on the part of some breeders when filling orders.

We believe that a good many ship-

ments of poor stock and poor eggs are due to ignorance and inexperience on the part of the shipper, and, in some cases of experienced men, to an exaggerated idea of the value of certain stock and eggs.

If a man does not know healthy fowl, he ought to get busy and learn to know sound healthy specimens before he attempts to sell birds for breeding stock. It is bad business to let poor birds go off your place to be used as breeders. It is bound to advertise you as a producer of undesirable specimens and a man to steer clear of in the future.

We recall a certain breeder, a conscientious man of good standing, whose exaggerated ideas of the value of birds from his yards caused him the loss of considerable business. In common with a good many other fanciers he considered any old culls from his flocks plenty good enough, and almost too good, to sell as "utility stock" at low prices. He was in the habit of charging long prices for breeding and exhibition specimens and naturally enough convinced himself that any bird from his matings should be worth a good price. Result was that most of his culls went for "utility" purposes, when many of them should have gone straight to the pot through the market man. We saw a flock from his yards bought at \$3 each for females and \$10 for the male, that did not in our opinion have one \$3 bird in the lot. In that flock were several crooked breasted birds, two with wry tails, one with a "roach back" and there was little evidence of type or shape or size in the lot. With the exception of two or three birds the whole lot should have gone to market and would have brought about 75 cents to 85 cents each. It is all nonsense to pretend that because of the breeding back of these birds they were worth more money and would be likely to throw good chicks. As breed-



ers we wouldn't use them for a gift and there were few of them that we would care much for as table poultry. We put this case up to the breeder and he exchanged the birds for others more satisfactory, but he could not see wherein he had done wrong. He considered two of the deformed pullets very excellent specimens.

Another point where a good many fall down in "delivering the goods" is in the sale of eggs for hatching. Here again the exaggeration of value (because "anything produced by my pens" must be just about right) comes to sow the seed of dissatisfaction among the customers. Because of a big demand for eggs and because of high prices obtained for eggs, any old egg

insure safe delivery under ordinary handling. There are plenty of good shipping packages and they cost very little more than poor ones.

Give the customers a square deal and they will help build up your business. There is no better advertising asset than a satisfied customer. It pays to try to satisfy even the unreasonable ones. One "knocker" who is sure he has been "badly stung" can do a mighty big lot of damage to your business and to the business of others as well.

We know some big breeders who make it a point to try to satisfy every customer, no matter whether his demand is unreasonable or reasonable. They tell us that it pays and we be-

be as lenient as possible under the circumstances, and give these breeders an opportunity to fill their orders later on, and be patient about the matter even though there is some delay. Remember, these breeders who were thus affected have lost much more than you have, and because of this loss certainly are in need of your patronage. Therefore we suggest you be as patient as possible, and if not having already placed an order, you contemplate doing so, that you patronize these breeders whenever possible.

The American Poultry Journal extends its sympathy to the poultrymen affected by the flood.

—o—

### First Year Success Sometimes a Handicap.

From considerable experience and observation we have been convinced that success the first year in the business too often proves a considerable handicap to beginners with poultry.

The beginner, starting with everything new and on new ground, wins success too easily the first year and convinces himself that poultry keeping and chick rearing is "easy." If he happens to be a young man in the twenties, even moderate success the first year serves to convince him that he knows all there is to know about the business. The bug of conceit bites him so hard that he is certain he can show the old-timers a thing or two about poultry and make their more conservative methods look like a relic of the dead past.

The optimistic view of things, and the exaggerated ego that goes with it at that age, is a very natural phenomenon and not at all unpleasant to look upon, that is unless you happen to be directly and financially interested. Often a good many things can be learned from beginners, if you go about it in the right way. Besides, the "know it all" stage is not confined to any age or walk in life and it is a good deal like the measles. One is pretty certain to "catch it" some time and the later in life it comes the more serious the results may be. Usually a good recovery from the attack insures immunity in the future.

First year success leaves the beginner up in the air. He takes all the credit to himself and does not make due allowance for the work that new stock, new land and new equipment has done for him. Confident that the work is easily learned and that he now knows all that is necessary, he often rides to a hard fall. Sooner or later he has to find out by bitter experience that things are not as easy as they seem to be and that there are many little details that have to be attended to in order to have the work go smoothly and that one has to learn to be a keen and quick observer and pay close attention to his work in order to win continued success. Like any other legitimate business you can only gain what you earn in poultry keeping. There is no quick road to easy money that is safe to ride on.

Experience and skill are what counts most. The experience of others helps some, but mighty few people profit by the experiences of others. Advice can be had too cheap to have it do any good. Real experience is often dearly bought. It is only human nature to disregard the warnings of others and try it for oneself. Tell a child that a



from a certain mating becomes wonderfully increased in value—in the breeder's mind. As a matter of fact some of the eggs that are sent out to customers in \$5 and \$10 sittings are a disgrace to the breeder. All sorts of misshapen eggs and thin shelled eggs get included in the shipment, when they should go to market only.

Eggs with wrinkled shells even when badly misshapen will often hatch good chicks, but in a single sitting egg box they are a bad advertisement for the breeder. Eggs with thin shells, rough shells, or badly "water-marked" seldom hatch and often fail to arrive at destination unbroken. Eggs for single sittings ought to be carefully selected and should not include misshapen eggs. In incubator orders it is difficult to avoid including some slightly misshapen eggs and, as such eggs are sold at lower prices, no reasonable person will object to them if the fertility and hatchability is good. Badly misshapen eggs, thin shelled eggs, very big eggs, or very small eggs, or very rough shelled eggs should never be included in shipments of hatching eggs.

Another point that is not given sufficient attention is the sort of carrier used for shipping hatching eggs. The breeder cannot afford to use a poor shipping package. It is up to him to deliver the eggs to the express company, or parcel post, securely packed in a down-to-date container that will

lieve them, for we, in our long experience with poultry correspondence, have yet to receive our first complaint concerning them.

Put on your "thinking cap" for a while.

—o—

### The Recent Flood.

The flood which recently devastated large portions of the states of Ohio and Indiana, two of our most prominent poultry states, caused great loss to a large number of advertisers in American Poultry Journal.

While the loss was very great indeed, in many cases it has been exaggerated, and while many of our advertisers lost heavily, most of them report that they were able to save a large portion of their stock, and that they are still doing business. Many of them of course were unable to fill orders during the past month, but now report that they are in shape to take care of orders promptly. Some of the farmers who had eggs in mammoth incubators had serious loss and were unable to fill their orders for chicks promptly. Even in some cases, where they were not directly affected by the flood, we learn that gas mains were broken, on which they depend for heat; the eggs became chilled and the hatch lost.

We would suggest to those having placed orders with poultrymen who were affected by the flood, that they



hot stove will burn him and immediately he has to test it with his finger to see if it really will burn him. The better the brain equipment of the youngster the fewer times he will be burned before he learns to let hot stoves alone.

Don't burn your fingers more than once on first year success. It takes time to learn any business and the poultry business is no exception to the rule.

### Poultry Farms on the Market.

The managing editor of A. P. J. has information concerning two desirable farms suitable for poultry raising in eastern Massachusetts. As our readers have frequently written us for information concerning farms that are for sale we make this announcement and will be glad to furnish further details to anyone who intends to purchase and means business.

One farm is ideally located on a southerly slope, good buildings and abundant water supply. It contains about 30 acres divided about equally in woodland and good cleared land available for grass and tillage. There are down-to-date colony houses for the accommodation of fully 1,200 head of breeders and layers. This farm can be bought for \$7,000.00 cash including some equipment. Another smaller farm of about 19 acres with fairly good

buildings and excellent location and with a poultry house for 100 fowl can be had for \$3,000.00 cash. A desirable piece of woodland, unimproved, well located and adapted for poultry keeping, mostly southerly slope and containing a little less than 40 acres (no buildings), can be bought for \$1,500.00 cash.

### William Barry Owen Retires.

That Mr. William Barry Owen is retiring from the poultry business does not come as a surprise to those who know Mr. Owen personally, and the great amount of work he was doing in connection with the immense business which he has built up for Owen Farms.

In retiring from the poultry business Mr. Owen does so with all honor due him. He has done a great work in the advancement of the fancy poultry industry, the force of which has been felt in every civilized country, and anyone connected in any way with the poultry business is indebted to him.

The reputation of Owen Farms is world wide, as their shipments of poultry have been sent to every country where poultry is bred, and Owen Farms certainly enjoy an enviable reputation for honesty and fair dealing, as well as for producing and furnishing winning specimens in all of their several varieties. Mr. Owen has labored unceasingly and established this reputation,

and the very energy put into the business has caused it to grow so large as to become a burden, in fact the burden which now forces Mr. Owen to retire. This he can do knowing that he has succeeded in his desire to produce the best specimens the country has ever known, in each of the varieties bred by him, and knowing that his victory is complete.

All honor is due Mr. Owen for the good work done by him, and now that he desires to lay down the burden of responsibility entailed in the immense business he has established is certainly entitled to do so. In retiring from business it must be a great pleasure and satisfaction to Mr. Owen to know that the business he has taken so much pains to build up is being left in the hands of such a capable and competent man as Maurice F. Delano. Never were two men more closely associated or more completely agreed in their business policy than Mr. Delano and Mr. Owen, and the public can rest assured that Mr. Delano's conduct of the business in the future will be along the same generous business policy on which Owen Farms has been conducted in the past.

It is not necessary to introduce Mr. Delano to our readers, for he is one of the truly great men in the poultry business today; his enviable reputation for honesty and fair dealing is world wide. He has been and is doing much good in the upbuilding of the poultry industry, and in securing the full ownership of Owen Farms Mr. Delano has only opened up still greater possibilities for himself and the good of the industry.

To Mr. Delano is due a large measure of the success of Owen Farms. He has been the general manager under Mr. Owen ever since its inception, always advising and consulting with Mr. Owen in the conduct of the business. He has worked early and late, always having the farm's best interest at heart, always striving to please every customer. That honesty and fair dealing will succeed is proven by the large annual increase in Owen Farms' business. No advertising is quite so good as that of a satisfied customer, and Owen Farms has hosts of them in every state in the Union and large numbers in foreign countries.

Mr. Delano is also one of our most prominent poultry judges, and has done good work in a number of specialty clubs and in the American Poultry Association.

He is always a pleasant person to

## WHITE ORPINGTONS

### An Established Strain with an Established Record

Write for catalogue giving list of winnings at Madison Square Garden, Chicago, Buffalo International, Cleveland, Allentown, Hagerstown and Pittsburgh. We have supplied hundreds of guaranteed winners and have started thousands of people in the chicken business with breeding stock at moderate prices, quality considered. We are now booking orders for winners for the fall and winter shows, in Single Comb as well as the new Rose Comb White Orpingtons, on payment of a small deposit.

**We have improved the White Orpingtons  
and we can improve your flock**

A few bargains left in yearling breeders. "Poultry for Profit" gives the essentials of the poultry business. Price 25 cents. It contains no advertising. Our advertising is free for the asking.

**LAWRENCE JACKSON FARM**  
BOX A, HAYSVILLE, ALLEGHENY CO., PENNA.



FIRST PRIZE WHITE ORPINGTON COCK BUFFALO SHOW 1911.  
BRED AND OWNED BY  
LAWRENCE JACKSON HAYSVILLE, PA.



## "Rockland" Strain S.C. WHITE LEGHORNS AND SILVER CAMPINES

CHAMPION WINNERS and LAYERS. EGGS and STOCK

Rockland Strain has the quality to win in the keenest competition in the country. Madison Square Garden, and we offer you Baby Chicks, Eggs for Hatching, or Exhibition and Breeding Stock for less money than you can get them elsewhere.

**SPECIAL--PRICES REDUCED HALF ON ALL PENS--ACT QUICK**  
**SILVER CAMPINES** 100 IMPORTED BIRDS FOR SALE REASONABLE CHICKS AND EGGS FROM TEN GRAND PENS

Campines are big money-makers, and are making friends everywhere. We were one of the first to import them, and ours is the genuine. You will do well to get stock of us, and do it now. We don't ask exorbitant prices, and we guarantee to please. If you could only see our birds, we know we would get your order—the next best, is to send for our illustrated catalogue.

**RIDGE EGG FARM, K. M. Turner, Prop., Route 2, West Nyack, New York**

SECOND PEN COCHONEL MADISON SQUARE GARDEN DEC 1911



RIDGE EGG FARM

WEST NYACK, N.Y.



meet and has a smile that won't come off. He is a prominent figure in all of our most prominent poultry shows, and is personally known by poultrymen throughout the country. The poultry world needs more men like Mr. Delano and the American Poultry Journal extends its congratulations and best wishes for his success.

While we deeply regret that it is necessary for Mr. Owen to retire from active work among us, yet we know his heart is still with us, for once a poultry fancier always a poultry fancier. The work he has done and the name he has made for Owen Farms and the name of William Barry Owen will live forever. The American Poultry Journal extends to Mr. Owen its very best wishes for his future health and prosperity.

### Raising Baby Chicks.

Do you realize that on the successful raising of your baby chicks depends your whole future success in the poultry business? We often hear the remark made by a poultryman when a baby chick is found dead, "Oh, well, it is just one chick." Do you ever stop to consider just how important the life of just that one chick may be to you? Do you realize that in that very chick may have been combined the results of all of your years of labor, hopes and desires, that would, had it grown to maturity, produced the one top notch bird that you have lived in hopes of being able to produce; the one bird that could have won the blue for you at a show like Madison Square Garden, and placed your name in the front ranks as the best breeder of your chosen variety. We wish to repeat that in just that one chick may have been the very thing you have been striving for, and may mean the difference between failure and success to you. Therefore it is very important that you look after the life of each and every chick hatched.

In the past it has required a great deal of time to properly feed baby chicks, especially those hatched in incubators and raised in brooders, for the reason that with no mother hen around to call the babies, and to pick up feed and bugs for them, and keep them exercising so that their food is properly digested. Their crops are very small indeed and hold but very little food at a time, which is soon digested and more has to be furnished them. If any great quantity of feed is thrown at a time, more than they can eat up readily, this feed is trampled over by them and becomes filthy, absorbing the foul gases which makes it unfit for food. If in their hunger they are forced to eat it, these gases irritate the digestive organs of the chick, causing inflammation. The chick then drinks large quantities of water to allay the fever; this results in bowel trouble and the chick, having but little vitality to draw on, soon lays down and dies. Therefore, you can readily see how important it is that little chicks should be fed clean, sweet grain and because of their crops being so small they require but little food at a time, but require it often. To properly feed little chicks by hand requires much more time than most poultrymen are able to give them. However, there has recently been invented an automatic baby chick grain feeder which will do just this work. This is a wonderful labor saving device and will be greatly appreciated by the poul-

tryman who raises his chicks with incubators and brooders. A day old chick will successfully operate this feeder, getting its feed at any time that it is hungry. Chicks fed with one of these feeders develop the very fastest which is possible for them to do, because they are not stunted for want of food. By using these feeders they are always fed clean, sweet grain, just when they want to eat it. Hence it prevents a large amount of loss, sickness and disease. Further than that the weak chicks have a chance to get fed after the strongest ones have satisfied their appetites. Many poultrymen have successfully tried out this feeder and are loud in their praise of results obtained from it.

### DR. WOODS' NOTES AND COMMENT.

The American Poultry Association election became a bit strenuous in the contest for the presidency during the past month. The ballot has yet to be counted on May 5 and not until then shall we know positively the choice of the voting members. Meanwhile it is significant that the American Poultry World in its April issue published an editorial headed "The Election of E. E. Richards as President of the American Poultry Association," in which his election appears to be a foregone conclusion and the association receives Mr. Curtis' congratulations. Also the R. P. J. for the same month publishes an editorial of like tenor and Mr. Richards' campaign literature was practically all Curtis endorsement and that of Mr. Curtis' employees. One is at liberty to wonder just how far Mr. Richards, if elected, will be called upon to pay his obligations to Mr. Curtis.

E. B. Thompson, over thirty years a breeder of poultry and for twenty-two years a member of the American Poultry Association, when the returns are in may prove the winner in the presidential contest. He became a candidate for president of the A. P. A. at the earnest solicitation of friends and breeders from every section of the country. Mr. Thompson is one of our leading representative breeders. Mr. Richards is editor and publisher of the Western Poultry Journal. It is noteworthy that Mr. Curtis' activity on

behalf of Mr. Richards and against Mr. Thompson did not develop its full head until after E. B. Thompson had made the following pledge to the members of the A. P. A.:

"If elected I will take office FREE FROM ANY PLEDGE OR PROMISE to any man or men, except the pledge I now make to you—viz.—to bring to the high and important office of president all the ability I have and to use it for the benefit and best interests of every member and breeder in this great industry of the United States and Canada. My rulings and every official act on all questions coming before me will be fair and just to all, according to my best judgment.

(Signed) E. B. Thompson."

Extended comment on above paragraphs is not necessary. It has been clearly put up to every member of the American Poultry Association to make his decision and to cast his ballot. By the time this magazine is in the mails most of the ballots will have been cast. It remains for the final count to show the will of the majority of A. P. A. members. If Mr. Thompson wins it will be clear that members want a breeder for president and a man who will be president in both name and action and who will take the office with no pledge or promise except to fulfill his duties to the best of his ability and to be fair and just to all. Should Mr. Richards be elected we may learn why he re-entered the presidential contest after saying he was not a candidate and why G. M. Curtis dropped Mr. Thompson to become such an ardent and aggressive supporter of Mr. Richards. Time will tell.

We are in receipt of attractive catalogues from the following breeders: A. C. Hawkins, Plymouth Rocks, Lancaster, Mass.; E. B. Thompson, Ringlet Barred Rocks, Amenia, N. Y.; John S. Martin, Regal White Wyandottes, Port Dover, Canada; U. R. Fishel, White Rocks, Hope, Ind.; DeGraff Poultry Farm, R. I. Reds, Amsterdam, N. Y., and Dr. J. H. Prudhomme, Silver Campines, Thurmont, Md.

The second annual year book of the Rhode Island White Club of America has just been received from Mrs. C. M. Vertrees, secretary, Cecilia, Ky. The

## May Chicks Are Best

The month that the flowers come into bloom seems to be the best month to hatch exhibition chicks for the winter shows. My five winning cockerels in the open and pen classes at the last Boston Show were all hatched during the last week of May and the beginning of June. The weather is warm, vegetation springing up, and fertility runs high and the chicks are strong and vigorous. Why not choose this month to become acquainted with Regal White Wyandottes? I guarantee a good hatch. Mr. R. K. Baker, Waseca, Sask., writes me as follows:

"We got fourteen nice chicks from the fifteen eggs you sent us. We consider this hard to beat, as the eggs had been shipped almost 2,000 miles by rail and were six or seven days on the road, being changed from one road to another several times. They were certainly well fertilized and well packed."

Such a hatch would not be possible with any other than the Regal Strain.

Eggs for hatching from 20 beautiful exhibition matings, per 15..... \$ 5.00  
Per 30..... \$9.00 Per 45..... 12.00  
Per 100..... 24.00  
Dorcas settings at same price during May  
Utility eggs, per 100..... \$9.00

Send 4 cents in stamps for the Regal White Wyandotte Book. Catalogue and Mating List Free.

JOHN S. MARTIN, Box 51, Port Dover, Ont.



Crusader III, a Boston Winner



club has more than doubled in membership since its organization, at which time it had 76 charter members. Increasing interest and rapid gain in popularity for Rhode Island Whites is reported by the secretary. The club now has members in thirty-five states and in Canada. The year book contains the standard for the variety and is sold at ten cents a copy.

\* \* \*

The Wozelma Farms Producing Company, formerly of Silver Lake (Kings-ton), Mass., has moved its poultry plant and business from Massachusetts to New Jersey and is to establish itself on a small farm in West Orange near Verona. At the annual meeting of this corporation the following officers were elected: President, Hubert V. W. Card; treasurer, John E. Zeller; clerk, H. LeB. Sampson; directors: the president, treasurer and Ralph L. Mason. We understand that the plant is to be devoted to the production of high class market poultry and eggs exclusively.

\* \* \*

It doesn't do any good to kick about the weather—simply smile and make the best of it. It has been a hard season for early chicks thus far. Rain and exceedingly high winds for most of March and long drawn out drenching downpours for the greater part of April up to time of going to press. The Anchorage Farm is wetter than it has ever been since we located on it, but luckily the soil drains quickly and a few days of sunshine will improve things wonderfully.

\* \* \*

John H. Robinson fears that we are concerned about our status in Massachusetts Branch of A. P. A. Not very much concerned, John, merely interested in how others stand. By the way, you have the dates mixed. The writer joined in 1907, not in 1909.

\* \* \*

In writing us concerning our editorial mention of the Lecture Bureau's (A. P. A.) appeal, Chairman Whittman says: "I wish to thank you for your editorial mention of my A. P. A. Bulletin report. Every member of the Lecture Bureau wrote me highly approving of same. I have had other kindly words of approbation from other sources BUT NEVER A SINGLE

LINE OR PHOTO FROM A SINGLE BREEDER. I knew there was little interest in educational work among the poultry fanciers, but was not prepared for such monumental indifference. I hope your editorial will help bring about a change of attitude."

It certainly would appear to be time to wake up and shake off the Rip Van-Winkle sleep that seems to affect some of our breeders. Progress in poultry educational work ought to make better business for the fanciers. Why not put your shoulder to the wheel and help boost?

—0—

Editor American Poultry Journal.

Dear Sir: Have just been reading H. H. Stoddard's article in the April



Champion Buff Orpington Cockerel; also winner of silver cups and other special prizes. His dam was a famous Egg-a-Day Strain Hen, bred and owned by I. Brooks Clarke, Dept. C., Newark, N. J.

Journal regarding the statements made in the "Maine" bulletin.

While I do not wish to take sides as to whether the bulletin is correct or otherwise, as I have made no definite experiments on that line, and am an amateur in the poultry business, Mr. Stoddard will have to bring some evidence other than his bold assertion to prove his points. His first article proves nothing on the point in question. Denial of a point is neither argument or evidence as to its truth. It is not generally disputed that too much inbreeding will produce undesirable re-

sults, but this is not the point in question. Let Mr. Stoddard bring some evidence to prove his contention. Let him give us the results of careful experiments covering both sides of the case. Practically no one disputes that we will get a mixed lot of offspring from mixed breeding so far as size and color are concerned. But how about eggs? That is the point. Have you, Mr. Stoddard, any definite experiments to bring forth to prove your contention? If so, let us have them. Your last two paragraphs of questions bring up various points, but those questions are not proof. Get "down to brass tacks" and show up if you have anything to show.

Ashland, Wis. Irving C. Smith.

—0—

### A FALLACY EXPOSED.

G. C. McKinney, M. D., Doyle, La.

FOR some time past I have read in several poultry journals of the advisability of giving strychnine to poultry for the purpose of killing lice and hawks. From time to time this advice has been given freely in the columns of the poultry press. It is taken for granted that every one knows that strychnine is the active principle of nux vomica, which is the form of the drug which is usually claimed to have been given. Now, according to those who claim to give nux vomica to poultry in order to kill lice and hawks, they feed it to the poultry just as though it were grain or palatable mash.

Experimenting with this drug and its effect on poultry, I found the following:

On September 9, at 7:30 p. m., one-fifth of a grain of strychnine sulphate was given to a vigorous White Minorca cockerel, ten months of age. Visiting the roost at 10:30 the same evening, I found him on the floor in a state of tonic spasm, breathing about one hundred times per minute.

The condition being typical strychnine poisoning, a solution of tannic acid, a chemical antidote, was given, followed by a solution of chloral and sodium bromide, physiological antidotes. At 1 a. m. the muscle spasms were much reduced and breathing slower. At 7 a. m. he appeared better than at 1, but the breathing was of a gasping nature. At 8



Pen of Prize Winners

My display of 40 male birds was the attraction of the great Chicago Show, December 12 to 17, 1912

## RUDY'S PERFECTION WHITE WYANDOTTES

SUPERIOR TO OTHERS THE ACME OF PERFECTION

### Eggs for Hatching

Get the best you can for your money. Don't buy eggs from questionable stock. They may be somewhat cheaper, but the outcome of the hatch will look the part.

Rudy's Perfection Wyandottes are known all over the country as the peer of the Wyandotte.

Get my mating list—free for the asking—and see the reasonable prices at which you can buy eggs from the Grandest Matings obtainable.

If you want to know all about breeding White Wyandottes, send for my Art Catalog. Absolutely the best book of its kind. Gives full information on how to succeed, how to take care of baby chicks, what to do when your fowls are sick. An article on how to fit birds for the show room is worth dollars to any breeder. Send 10c in stamps to help pay cost of mailing, etc.

Geo. H. Rudy, R. 15, Mattoon, Ill.



a. m. I found him dead, considerable yellowish material having passed from the bowels.

Like cases of strychnine poisoning in the human, unless a chemical antidote is given at once, there is very little hope of recovery, as shown by this case.

The most astonishing thing about this experiment is the size of the dose, as it shows that poultry is even more susceptible to nux vomica than human beings. According to authorities an adult fowl is capable of taking one-third as large a dose of drugs as an adult human. In fact this is the basis of treatment in poultry. Now this would have been equal to a dose of three-fifths of a grain of strychnine for an adult person, and while that size dose would undoubtedly bring on convulsions, it would not as a rule be fatal with the treatment given this cockerel.

In view of this experiment, what is the truth of the matter? Simply this, that as in all other matters of a scientific nature, the evidence of the average person is absolutely worthless. These people who claim to have given nux vomica to poultry in large enough doses to kill lice and hawks without harming the fowls have deliberately falsified—or perhaps they were not intelligent enough to know nux vomica from powdered charcoal or road dust.

#### A PRACTICAL CHICK FOR PRACTICAL FANCIERS.

By S. A. Noftzger.

WHY do we hear this talk about "Fuss and Feathers?" Has the real back-bone—the foundation—the very life or intent of thoroughbred poultry rearing gone to the bow-wows? Are we fanciers truly a lot of ordinary "chicken cranks"—fanatics on the subject?

Or, do we hear this "fuss and feathers" talk from only the uninitiated, who have never really had the pleasure of gathering eggs and feeding the food that made possible their production?

Have we not reached a higher level in the production of thoroughbred poultry than mere feathers? Is it not a fact that the Standard by which all poultry is judged during this day and age, places more value upon shape and carcass measurements than on feathers?

Is it not correct that the Standard is revised every five years by the best qualified practical fanciers of America and do these men not spend weeks of their time in research and investigation that they may be able to change the shape requirements of every Standard breed so as to make possible a fowl of such carcass measurements that it will be better adapted for egg laying or table use?

Most certainly the latter is the case and those who cry "Fuss and Feathers" do so because of ignorance regarding standard poultry requirements and the great work already accomplished by the true fancier of beautiful, practical fowls.

Years have passed, the poultry world has changed its costume several times, since I first undertook the origination of Partridge Plymouth Rocks—a beautiful, practical fancy fowl for practical fanciers.

The pure bred poultry business in those days could scarcely be looked upon as a business, let alone an industry. Today we find the result of those true business men, who were the real practical fan-

cier of the years gone by, is nothing less than a billion dollar industry. Though still in the cradle, it now promises to become the greatest of America's natural industries.

In originating and perfecting the Partridge Plymouth Rock to its present state of excellence, I realize my success depended upon the success of the fowl, on which the best efforts of my life were to be spent.

Years ago we heard the same talk of "chicken cranks," "Fuss and Feathers," etc. These remarks only impelled me further in my determination to some day offer a practical fowl, unexcelled for beauty, hardiness, egg basket, table and ease of rearing.

As to how well my desires were fulfilled by the new beauty breed—the Partridge Plymouth Rock—thousands of breeders can more gracefully testify than I.

There are a few facts that go to show the Partridge Rock chick is in reality "A practical chick for practical fancier" that I wish to mention.

Having the genuine mahogany brown Partridge color, the baby chick is therefore of the same characteristic color found on the newly hatched among practically all our wild game. It is a proven fact that this nature color carries with it—is symbolic of—strength and hardiness.

Beyond any question one of the greatest attributes to the present day world wide popularity of the Partridge Plymouth Rock is the hardiness, strength and quick growing characteristic of the baby chick.

Actual profits is the basis of the stability of the poultry industry. A newly hatched chick is an expense. Profits are dependent upon those that are reared. This being so, it behooves us to consider well the natural hardiness of the fluffy youngsters.

Often we are misled in the belief that the feathered chick can safely be counted a raised chick, only to have a sparrow, hawk or chicken hawk feast upon several of the most promising.

Here again we find the Partridge Rock chick a practical one for, as it roams among the weeds and grasses, the shrubbery and orchards with its coat of beautiful brown, it is not easily discovered by the hawk. As a result, the hawk being strictly a fowl of nature, proceeds along the course of the least resistance, finding it much less difficult to speed on to the neighbors where it can feast upon the light colored youngsters more easily discovered from the distant sky.

Truly the Partridge Plymouth Rock chick is "A Practical Chick for the Practical Fancier."



Fashion Plate, 1st Cockerel, Indianapolis

#### A FIRST EXPERIENCE WITH POULTRY.

A. N. Amateur.

HAVING READ MANY articles of interest written by amateurs, telling of their experiences and success with poultry, has prompted me to write mine. I became infected with the chicken bug and a good attack of indigestion at about the same time. Being employed in an office and not getting the proper amount of exercise in proportion to my appetite, I found it necessary to undertake something that would give me more outdoor exercise.

At this time I had been a reader of the American Poultry Journal for over a year, and naturally my thoughts turned toward chickens as a means of outdoor employment. In the spring of 1911 we moved from our city apartment to a dwelling situated on a good deep lot of land and I immediately got busy working before and after business hours in the work of constructing an open-front house for poultry. In connection with this I made what I call a portable yard, by means of wire fencing five feet high, using one-inch wire mesh at the bottom, and the two-inch mesh wire above the first foot. This fence is so constructed that I can easily swing it around to three sides of the poultry house and thus give the birds a fresh run and grass every few days.

Previous to the time of embarking in the business I had taken a great fancy to the Mottled Anconas and placed my order for baby chicks before the house was finished. The chicks arrived on May 10th, all alive and strong. Of the flock I believe I only killed seven with kindness and I considered that very good for an amateur. Of those that survived a very good per cent were pullets and they began laying on the 17th of October, being just five months and nine days old.

I kept them well supplied with a good

W. Wyandottes



Eighteen years a breeder and advertiser in A. P. J. Formerly of Jackson, Michigan.

#### Eggs 1-2 Price

From N. Y. and Chicago winners and other grand pens. By all means get my free booklet before buying Wyandotte eggs. Greatest laying strain. H. N. Hanchett Vineyard Haven, Mass.

## White Wyandottes

The Perfection of Poultry Breeding for Beauty or Utility.

THE WORLD'S GREATEST STRAIN

Are the Fashion Plates of This World's Best Breed.

### EGGS EGGS EGGS EGGS

After May 1st Eggs from 8 regular pens \$3 per 15,

\$5 per 30 \$8 per 50, and \$15 per 100.

Special Matings Half Price—\$10 Eggs \$5 per 15. \$20 Eggs \$10 per 15.

BARGAIN SALE OF BREEDERS BEGINS MAY 15TH

60-page Illustrated Art Catalogue of America's Finest White Wyandottes Free.

Chas. V. Keeler R. F. D. 11 Winamac, Ind.



variety of grains and fed cabbage in a wire rack hung on the wall within easy reach of all.

One hen became egg-bound during the winter, but finally started laying again, producing a double-yolked egg, and each egg thereafter increasing in size until she laid one six and one-half by eight inches. After that she walked about like a duck for several days and I finally killed her.

All the hens have laid well and I have had excellent reports from eggs sold for hatching. As an experiment I set a hen with fourteen eggs after the cock bird had been in the pen only four days and hatched nine chicks. A number of times I have had a good mother hen bring out thirteen chicks out of fourteen eggs and have had reports of as high as

twenty-seven chicks out of thirty eggs sold for hatching.

In mating up my birds the following spring I followed the rule set forth by many of our large poultrymen, that of mating a two-year-old cock to pullets, to throw a large per cent of females, with the result from this pen, in thirty-eight chicks there were but six cockerels. I believe in the rule.

I have kept an exact account of expenditures from the start and find that I have just about doubled my investment in less than two years, and this I consider very good, since I have only given a little time morning and evening to the work.

The following is the egg record for a pen of twelve hens from October 1, 1911, to September 15, 1912. In April three

of the hens were used for sitting, and in January several of their combs were frozen. It will be seen by this record that the birds averaged 153 eggs each in the eleven months and fifteen days:

October, 1911.....	29
November .....	132
December .....	129
January, 1912 .....	92
February .....	207
March .....	253
April .....	182
May .....	224
June .....	208
July .....	174
August .....	183
To September 15.....	24
Total .....	1,837

## DE VOSS' COLUMBIAN PLYMOUTH ROCKS

Winners Memphis, Tenn.; Boston, Mass.; Pittsburg and Cleveland. Eggs from best exhibition matings, \$5.00 per 15. Utility matings, \$3.00 per 15. Express charges prepaid to any express office in the United States. Circular free. Lee W. De Voss, Box 1293, Greenfield, Ohio

## Byers' Strain Orpingtons

**BUFF, BLACK AND WHITE**—Does it interest you to know that my customerrrs tell me, and would tell you, that they get the best value for their money from me? That late hatched birds are the best colored? That after May 15th I will sell stock and eggs at half price? If so, get my valuable catalogue now. If you want the best, I want your order. Mention American Poultry Journal when writing.

C. S. Byers    :-:    Orpington Specialist 15 Years    -:    Hazelrigg, Indiana

## THE BEST RESULTS FOR YOU IN POULTRY RAISING

*Whether you are a professional or an amateur you want the maximum result from the investment of your time and money.*

### "WRIGHT'S NEW BOOK OF POULTRY"

*Is the Key that Unlocks the Door of Poultry Success.*

It is the foremost practical book on Poultry and Poultry-raising that has yet been published, in the opinion of all the leading Poultry Editors and Poultrymen.

The Poultry papers quote from it constantly as the **Authority**. Hundreds of purchasers have written to us, unsolicited, commending it without stint.

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We want your permission to place this volume in your hands for **Five Days Free Examination, All Expenses to be Paid by Us.**

Fill out the application form below and mail it to us with 50 cents, and we will send you this book on approval express prepaid.

#### Who Is Lewis Wright?

Lewis Wright wrote his first Poultry book thirty-five years ago. It was called "The Illustrated Book of Poultry." The present work, new throughout, thoroughly modern and up-to-date, is the natural fruit of his long experience in raising and writing about Poultry. He visited hundreds of model plants and interviewed the most successful poultrymen in all parts of the World to secure his data; and his book, first and foremost, is based upon Actual Experience. Mr. Wright was the one Poultry expert selected to write all the Poultry articles for the new 11th edition of the Encyclopedia Britannica, perhaps the greatest honor that could be conferred upon him.

What safer guide than Mr. Wright can you follow to success? Why not take advantage of Mr. Wright's experiences, his mistakes and successes?

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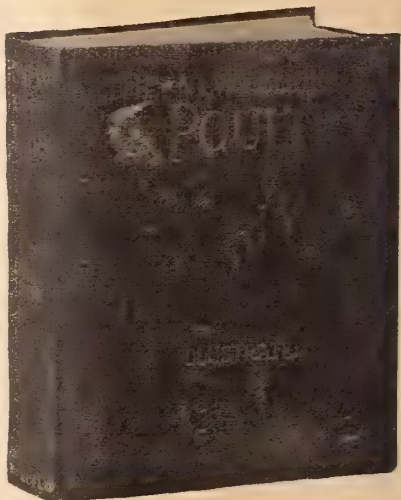
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American Poultry Journal, 542 So. Dearborn St., Chicago



# Home and the Table

## Good Things for Everybody

Helen F. Woods  
Editor

### THE GARDEN BEAUTIFUL.

Being An Account of the Woman With  
the Hoe and Her Success With  
Gladioli.

Harriet W. Ashby.

HAVING A FRONTAGE of 600 feet with an equal distance from the paved street, a speedway to one of our country clubs, we felt that it behooved us to put this space in something which would help pay the taxes, and at the same time not mar the appearance of our home. The greater part was put in alfalfa, but I was ambitious to have a peony hedge on each side of the driveway, and enough of some variety of flowers to not only satisfy the eye, but to bring returns substantial enough to pay for themselves in a season.

"Will gladioli pay taxes on the land they occupy?" I asked our florist. "Yes," he replied, "if you get the good sorts. I wouldn't give two cents a peck for cheap mixtures yielding small, short-stemmed blossoms, but get enough of two good varieties, say Mrs. Francis King and America, to make it worth while for a florist to buy your bulbs and I'll guarantee they'll more than pay the taxes. The flowers will pay for the use of the land and labor."

So I ordered 1,000 Mrs. Francis King, and 500 America gladioli bulbs, good bulbs which cost me practically fifty dollars, and followed the florist's directions as to culture.

In early spring the ground was covered with well-rooted manure, plowed deep and harrowed several times. Three equal plantings of the bulbs were made, the first May 15, the last about June 10. (Another year I would make one planting July 1 as there is more demand for the later flowers). For planting, the plow marked out a furrow in which I put the bulbs down firmly, stem end up, about 6 inches deep and 10 inches apart in the row. The rows were 3 feet apart. With less land I would put the bulbs 3 inches apart in the row and the rows 18 inches apart. The object in planting deep is two-fold; to plant deep enough for the stalk to stand firmly without staking, and to insure abundant earth covering to the new bulb, for each season the bulb planted dies, and a new bulb forms on top. Sometimes two new bulbs form from the old one, and it is these bulbs which blossom. If not deep enough to be firmly fixed, the heavy blossoms fairly wrench the bulb from the ground. I planted in full exposure to sun where the roots would not be shaded by foliage. The bulbs were hardly covered until the "velvet weed," alias the "button weed," alias the "pie print" arrived. When I turned back from hoeing out a row, I met reinforcements of the enemy on my newly-hoed ground.

Weeds were not all I had to contend

with in the gladioli bed. After every rain our soil would pack, becoming almost as hard as clay, sometimes it cracked open in ziz-zag lines which were my despair. We had the soil analyzed. "Fine," said the scientist who analyzed it, "fine, the sample shows 600 pounds of nitrogen per surface acre! How much is available I can't say, but with more humus you could grow anything."

"Where can I get humus?"

He looked at me pityingly (Scientists have no conception of the depth of ignorance of the amateur gardener). "Humus is vegetable matter," he explained. Well-rotted manure provides humus quicker than anything else, but the same results come in time from a green crop plowed under, clover, peas

or alfalfa are specially good."

"But we have a crop of gladioli on the land."

"In that case, try a mulch, and keep the ground mellow with a hoe." A load of dead leaves—a 14-inch wagon box packed as solid as it could hold—was brought from the woods and these spread between the rows and gradually raked into the ground relieved the packing greatly.

Then another difficulty presented itself, the tips of the leaves began to turn yellow before the plants blossomed. Again the scientist was called in. He thought the need of a dressing of agricultural lime was indicated. With the lime treatment this yellowness disappeared. The scientist chuckled delightedly when we told him (it seems

## ONEIDA INDIAN REDS

The Strain that has made the Breed Famous. Our Rose and Single Comb Reds made the most sensational win by winning more prizes than all competitors combined. This we consider the greatest triumph of the show season at the Pittsburg Fanciers' Club Show, February 17th to 22d. We made ten entries in Rose Comb Reds and one pen of Single Comb Reds. We won on Rose Combs, 1st and 3rd cocks, 1st and 4th cockerels, 2d and 3rd hens, 1st and 4th pullets; 2d on single comb pen, 40 points for best display. All other exhibitors combined winning 43 points. We have stock, eggs and baby chicks for sale. Illustrated catalogue free.

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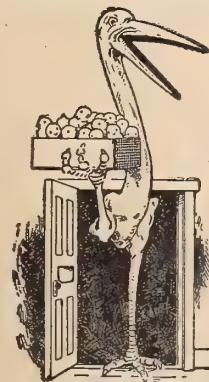
During the month of May, in order to make room for young stock, we will ship you a breeding pen of one male and four females, every one an excellent utility bird, for \$15. This is a great opportunity for you to get a start with the Utility and Beauty Breed, the great winter layers, at a low price. Send for Mating List.

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curious to me that scientists sometimes are so happy at finding a theory upheld by practice. One is tempted to wonder if they get more than they expect).

It seemed a long time before the first blossom came, then we had a dozen Mrs. Francis King at once—glorious bits of rosy color on stalks from three to four feet long. When fifty were out, we sought a market. The florists at that time were selling the blossoms at \$1 per dozen. Although ours were larger and finer than the blossoms they offered, we were asked to take 36 cents by one florist, others didn't want them at any price. They "ordered all their flowers from Chicago until their own field blossoms were out." They fairly sniffed at the idea of an amateur presuming to grow finer blossoms than came from Chicago, and gave the credit entirely to the soil. Then our twelve year old boy took them to our city market where he was able to sell a limited quantity at from five to ten cents per stalk, reducing his prices on large orders.

Never were more glorious blossoms, the delicate beauty of the pink America rivalled the regal splendor of Mrs. Francis King—a rosy red. The flowers were both beautiful and lasting, keeping in the house for a week or more, and often growing more beautiful with the fading of the flowers. Some of the Kings had three blossom stalks on the one stem. When cutting for market we cut with long stem, retaining enough foliage to feed the bulb, if for the house I tried to save the second blossom which while not quite so well filled as the first was especially beautiful in the tip blossoms.

The children filled the house with gladioli and carried them to the neighbors and hospital. From time to time when I saw our wealth of bloom I sighed for a market which would take all our surplus, yet when at the close of the blossoming season a call came for all the blossoms we had, I did not find the satisfaction in seeing the flowers go that I expected. On the

contrary, while the buyer snipped right and left, emptied my vases and lamented that he had not come earlier, in my heart I resented his presence in the bed from which I had allowed no one to cull but myself, and I realized that I didn't regret that the market had not taken all of our blossoms. The pleasure of having a satisfying quantity of beautiful flowers was worth more to the family than the money from their sale. The children had given away without stint, they had come to look upon this flower as a part of the higher living within their reach. The elevating influence of my gladioli equalled that of music or art.

We took a hundred stalks to our state fair, winning six dollars in prizes, and were told that our blossoms were equal to those shown by professionals at the Chicago gladioli show. This was due to the quality of the bulbs, the character of the soil, and—the woman with the hoe.

We harvested the bulbs in late October, before danger of heavy frost, after the leaves had turned yellow and the bulbs ripened. From the 1,000 Mrs. Francis King we harvested 1,250 blooming size bulbs with from 10 to 35 korms on each bulb. After digging we left them in the sun and air to dry for a day or so, covering with carpets at night, then we cut the stalks, and spread on shelves till thoroughly cured when we put them in barrels in a cool dry potato cellar. From the 500 Americas we harvested but 508 blooming sized bulbs and from ten to twenty-five korms. It may be that the America is not a shy bearer with others, but it was with us.

We let the korms dry with the dirt, keeping them separate of course. In early May we will plant them and get blooming bulbs for next year, first removing the outer skin (if our patience holds out, as our florist says the removal of this skin is conducive to better growth). Our receipts from the flowers, counting the premium money, was \$18. I used the increase in bulbs largely, as Christmas gifts, wrapping

the bulbs in different colored papers, and packing in a cheap but pretty basket. Our profit will come when the korms are of a size to sell although we cannot hope to get anything like what we paid for the bulbs as the supply is increasing too rapidly. For instance, two years ago a friend paid a dollar each for ten bulbs of the Nia-

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gara. The ten gave twelve blooming sized bulbs this past year and one hundred and fifty korms. The past spring he picked off the tough outer skin from each korm and when he dug them in the fall he had about one hundred bulbs of blooming size which he has already sold for twenty-five cents each. Bulbs which multiply rapidly get cheaper from year to year, poor multipliers like the Contrast continue high priced.

The gladioli is called the "Poor Man's Orchid" (although this title is disputed by the Iris) because of its coloring and the fact that it can be had at a price within the reach of every one. With the gladioli you not only eat your cake in the shape of beautiful flowers, but you keep it as well, because you get back your seed and some over each year, and a bountiful harvest the second year. Then, too, it is a flower which is adapted to the poultry breeders' garden because it is not so apt to be injured by fowls, especially if planted deep. Ducks, however, are destruction to the plants. The delight of our Indian Runners last summer was to escape from their yard and climb a gladioli, teeter tottering on the stalks and tips of the leaves in an endeavor to force the bulb up.

Whether the gladioli is a profitable crop to grow for market depends on the market, but no flower will give the owner more joy than the gladioli. It can be had in all shades and at all prices. My order for my own pleasure this year includes Niagara, Contrast, Rochester White, Taconic, Scarlet Velvet, Smokey Violet, Queenly and Europa.

#### Rhubarb Conserve.

E. H. J.

3½ lbs. rhubarb (chopped).  
2 lemons (grated rind and juice).  
3 lbs. sugar.

The rhubarb should be picked when tender and cut into inch pieces and allowed to cook together with the sugar and lemon for about half an hour. Then add one-fourth pound of blanched and shredded almonds and one-fourth cup of preserved orange peel, shaved in thin pieces and allow to cook another half hour.

#### Boston Brown Bread.

E. H. J.

Sift one cup each of yellow corn-meal and rye meal and half a teaspoonful of salt. Add the well beaten yolks of two eggs and half a cup of molasses and a cup and one-half of thick cream. Fold in the whites of the eggs and turn into a buttered mold and steam four hours. Place in the oven to dry off before serving.

#### Apricot Sherbet.

E. H. J.

Drain the juice from a can of apricots and remove the pulp from the skins and cut up in small pieces. Add this to the syrup, together with two cups of sugar and a quart of cold water. Stir until the sugar is thoroughly dissolved, and freeze.

#### Orange and Rhubarb Marmalade.

E. H. J.

Peel the rhubarb and cut into inch pieces, using four cups of rhubarb to three good sized oranges and seven cups of sugar. Peel the oranges, removing all the inner white from under the skin, remove also the seeds and grind up the remainder of the orange in a meat chopper. Cook slowly for about three-fourths of an hour.

## Sworn Statement Made Under New Postal Law

Statement of the ownership, management, etc., of AMERICAN POULTRY JOURNAL, published monthly at Chicago, Illinois, required by the Act of Aug. 24, 1912.

NOTE — This statement is to be made in duplicate, both copies to be delivered by the publisher to the postmaster, who will send one copy to the Third Assistant Postmaster General (Division of Classification), Washington, D. C., and retain the other in the files of the post office.

Names of	Post office Address
Editor .....	J. W. Bell.....Chicago, Illinois
Managing Editor .....	Dr. Prince T. Woods.... Silver Lake, Mass.
Business Manager.....	J. W. Bell.....Chicago, Illinois
Publisher.....	American Poultry Journal Pub. Co., 542 So. Dearborn Street, Chicago, Illinois

Owners: (If a corporation, give names and addresses of stockholders holding one per cent or more of total amount of stock):

J. W. Bell.....Chicago, Illinois	J. G. Zimmer.....Ft. Wayne, Ind.
C. W. Zimmer.... Chicago, Illinois	Mrs. J. G. Budde, Oak Park, Illinois
H. G. Eisert..... Chicago, Illinois	

Known bondholders, mortgagees, and other security holders, holding one per cent or more of total amount of bonds, mortgages and other securities:

There are no bonds, mortgages or other securities outstanding against American Poultry Journal Publishing Co.

J. W. BELL, Business Manager.

Sworn to and Subscribed Before Me,  
This first day of April, 1913.



H. G. EISERT, Notary Public.

My commission expires March 17, 1914.

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Winners at Cleveland, Indianapolis, Detroit, Mansfield, Lansing. Also in customers' hands in all parts of the country. Stock and eggs of the best quality. Write for prices. Mention American Poultry Journal.

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Won at 5 shows in 1911 48 regular prizes, including 5 silver cups, 2 gold specials and six color and shape specials. In 1912 at Red Bank, N. J., 1-3 cock, 1-2 hen, 1-2-3 cockerel, 1-2-3 pullet, 1-2 pen. Winning more points than all other breeders combined, including 2 silver cups for best display. Before placing your order for eggs, compare my prices with any breeder in the United States. For my special matings, price \$5 per 15. Try a setting from these matings and compare the results with any other breeder regardless of price. I also have one of the strongest utility yards that money could buy. Every bird raised from my special matings, eggs \$1.50 per 15, \$4 per 50, \$6 per 100 and \$50 per 1,000. Write today and be one of my satisfied customers.

C. R. Applegate, Battleview Farm, Freehold, N. J.

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Classy utility birds

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Eggs and Chicks from Exhibition and Utility matings. Send for FREE circular.

JOHN F. MacKAY, Manager



# Associations and Shows

*Secretaries are Requested to Send in News Items of Interest About Their Shows for This Department*

## TO AMERICAN BLACK MINORCA CLUB MEMBERS.

For a number of years the American Black Minorca Club, which is recognized as the leading specialty club devoted to S. C. Black Minorcas, has only been giving one show a year, that being wherever the annual meeting of the club was held. I have been an officer in the club for the past seven years, and during that time I have felt the great need in giving S. C. Black Minorcas a boom which they most decidedly deserve, and I felt that the best way to bring that about was to arrange for holding two club shows a year, one to be held in the fall and the other in the winter in connection with the annual meeting, and I brought this matter to the attention of the club at the annual meeting held at Philadelphia and also at the recent annual meeting of the club at Baltimore, and stated that an excellent idea for the fall show would be if the club members would each contribute 50 cents or \$1 to a fund to be used for purchasing a handsome silver

cup to be known as "The American Black Minorca Club Challenge Cup," this cup to be competed for once each year at a show to be decided upon by the entire membership of the club and to be awarded to the club member winning the greatest number of points at that show, the cup to remain the property of the club, but the winner to have the custody of same from the time it was won until the next show where the cup was to be competed for. However, there is always such a small representation of our members present at the annual meetings that no definite action on this important matter has ever been taken; therefore, since the Baltimore meeting I have taken up with the newly elected board of directors, requesting them to place the matter before the club members and offered to make a liberal contribution toward the fund myself, but for some reason that I am unable to explain practically no attention has been paid to this suggestion by the board, as I only received a letter from one member of the board regarding the matter. I have therefore

decided to send a communication to the poultry journals on this subject, hoping in that way to reach the members of the club and the many other Minorca breeders who are not members of the club, and to all Minorca fanciers who are interested in the purchase of this trophy I would suggest that they send their contributions direct to me and I will start the fund by offering to contribute \$25 toward it myself.

The club is now in a flourishing condition, and to all Minorca breeders who are not members of our club I would suggest that they immediately send their applications to Marcus A. Northup, secretary-treasurer, Orangeburg, Rockland county, N. Y.

Yours very truly,  
Frank McGrann.

Lancaster Pa.

## AMERICAN CAMPINE CLUB HAS ADOPTED A STANDARD.

On February 21, 1913, a revised standard was sent to members of the American Campine Club for a club vote

**R. C. Caldwell Ships Baby Chicks of Quality on short notice. See pp. 825**

# WHITE ORPINGTONS

## Superb Type and Superior Quality

### January and February Hatched Youngsters For Sale

Never have I had young chicks to prove more completely the claim made for them regarding **type** and **quality** than does my present young stock. It is indeed a remarkable line of cockerels and pullets hatched in January, February and March. As it is possible to detect

any minor faults in birds after they are eight weeks old, and to form a pretty fair idea as to how they are likely to develop, I have placed on sale about 600 of the most promising White Orpingtons ever produced. These will be ready for delivery in June—large, vigorous, massive birds raised on acres of blue grass sod.

### Order Stock at Bargain Prices

Due to the fact that I must make room for younger stock, it will be necessary to dispose of a number of **hens** and **cocks** on the breaking up of my breeding pens the first of June. These, of course, must go at attractive prices; and here is an opportunity to get some foundation stock the stamina and vigor of which could only be arrived at through the wonderful blue grass range commanded by Russell Cave Poultry Yards as a branch of the renowned 8,000-acre Elmendorf Farm.

Eggs at \$5, \$10 and \$20 a setting, and would urge all customers to place orders for same at as early a date as possible in order to get their choice of matings as the breeding pens will soon have to be broken.

An extra fine line of Duroc-Jersey young pigs for sale.

**Russell Cave Poultry Farm** Elmendorf Stock Farm  
Louis Lee Haggin, Prop. R. 3, Box 1025, Lexington, Ky.



on its adoption, the polls remaining open until March 7th. The vote resulted as follows: Yes, 136 votes; no, 7 votes.

Three parties voting no stated that they did so on account of the weight clause.

A number of parties voting yes commented very favorably upon the standard.

Each new member of the club is entitled to one of these standards. These Campine standards can be secured by non-members of the club at 10 cents each.

At the present time the club has a membership of 322. The secretary is very anxious to increase this membership to at least 1,000 members by January 1, 1914.

The secretary requests that all members of the club and all interested in the Campines assist in increasing our membership to the thousand mark.

M. R. Jacobus, Secy.-Treas.  
Ridgefield, N. J.

#### AMERICAN BARRED PLYMOUTH. ROCK CLUB.

This will be the last chance to notify all the members who may have anything to send in for the club catalogue which will be issued this spring to let me hear from them at once. Also all those wishing to join the club should do so at once, so that their names may appear in the catalogue. Initiation fee and dues, \$1.

The subject of the new Standard is being taken up by the club, and the president has appointed a committee from the club to revise our Standard, the same to be voted on by the club members before it is presented at the next meeting of the American Poultry Association. All members are invited to express their opinion on this subject and send the same in to the secretary, to be submitted to the committee. Join the club and help the good work along.

Henry D. Riley, Secretary.  
Strafford, Pa.

#### ATTENTION, BLACK ORPINGTON BREEDERS OF VIRGINIA.

The time has come when we, the American Black Orpington Club, Virginia branch, must try our very best to progress. Progress only can be obtained by the co-operation of members.

If the members of our club will not lend a hand to our advancement, the officers can do nothing.

There is an old and well-worn saying, but still useful, that of our patriot, Benjamin Franklin, who remarked in the course of a quarrel among the members of a meeting, "If we do not all hang together we shall hang separately."

Club members, there is a wealth of meaning to you in that old speech; if we do not co-operate and help each other and operate our club as one body, one person, we, too, shall, in another manner "hang separately."

What can we, the officers, do without your loyal support? The world could go on minus any kings or presidents, but what could these heads of nations do without the people?

The same rule applies to you fellow-member; "get in the swim," so to speak, make yourself heard in the cause and advancement of our club; it cannot

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## S. C. W. Leghorns & Pekin Ducks

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A. J. Fell, Box J, West Point, Pa.

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S. C. Buff Leghorns.....	3.00	5.50	10.00	45.00
Barred Rocks.....	3.00	5.50	10.00	45.00
White Rocks.....	3.50	6.50	12.50	60.00
S. C. R. I. Reds.....	3.50	6.50	12.50	55.00
R. C. R. I. Reds.....	3.50	6.50	12.50	55.00
White Orpingtons.....	4.50	8.00	15.00	70.00
Buff Orpingtons.....	4.50	8.00	15.00	70.00

**BRED RIGHT  
HATCHED RIGHT  
SHIPPED RIGHT  
SHOW STRAINS  
BRED FOR HEAVY LAYING  
QUALITIES—SATISFACTION  
OR MONEY BACK**

THE CO-OPERATIVE BREEDING & HATCHING CO. : BOX A, TIRO, OHIO



and will not do without your loyal support.

Hustle, go after some of your friends, get them into the club; in fact, put all this talk in one word, "Boost," and boost well, but mind who you are boosting, "American Black Orpington Club, Virginia branch, for boys, for girls, for women, for men, for the betterment of all."

Anyone desirous of joining the American Black Orpington Club, Virginia branch, can do so by addressing W. C. Lassiter, vice-president; care Lassiter Orpington Yards, Highland Park, Richmond, Va.

#### JACKSON COUNTY POULTRY ASSOCIATION, MURPHYSBORO, ILL.

This association has chosen dates of December 16, 17, 18, 19, 1913, for the next annual show. Judge Joseph Dagle, of Richland, Iowa, has been engaged to place the awards. The association will offer ten fine silver cups and a large assortment of valuable merchandise specials aside from the regular premiums; the association will offer premiums on mated breeding pens in both cockerel and pullet matings in the Barred Rock class. There was a large exhibit at the last show, and the management expect to run the entries up to 1,000 birds this season. Premium list will be out early.

Jean Dagle, Secretary.

Murphysboro, Ill.

#### NEW YORK OPENS SEASON.

**Greater New York Fair and Exposition  
August 1-31, 1913—Of Great Interest to Poultry, Pigeon and Bantam Breeders.**

The Greater New York Fair and Exposition will be held during the month of August, 1913, at Empire City Park, New York City, which is only twenty to forty minutes' ride from the heart of a city of five million people, and within three hours' ride of a population of ten million people.

There will be three big poultry events held in connection with this great National Fair and Exposition, in a splendidly equipped building designed especially for the purpose and cooped with the most up-to-date patterned exhibition coops.

The Greater New York Fair and Exposition Poultry Show will be held the week of August 4-9.

The Greater New York Fair and Exposition Pigeon Show will be held the week of August 11-16, and

The Greater New York Fair and Exposition Bantam Show will be held the week of August 18-23.

Breeders and exhibitors in every part of the country should make a note of these dates, as there will be no other state fair held during the progress of this show. A winning at New York is

a valuable asset, and from all indications these three events will be the biggest exhibitions of their kind ever staged in this country. Full particulars in next month's poultry journals. Address John A. Murkin, superintendent, Nashville, Tenn., for further information.

#### THE BLACK LANGSHAN SPECIALTY CLUB.

Do you realize the fact that the text or reading matter of the Standard of Perfection is to be revised shortly, also that there will be a number of changes made in the ideal illustrations as now published. Perhaps the changes will not be important in our breed. Several sub-committees are collecting data and suggestions, with a view to improving the word descriptions.

I believe in active, progressive specialty clubs, and I believe also that well-conducted specialty clubs should have an important say-so when it comes to fixing the standard requirements for the variety they represent. We should be a truly representative specialty club and we should look closely after the welfare of our breed; especially so at each time of standard revision.

The existence of several specialty clubs, each devoted to the Langshan, should be encouraged, the clubs to work in different sections of the United States and Canada; but all such clubs



FIRST PRIZE WHITE PLY ROCK COCK AND HEN  
AT NAT. WHITE ROCK CLUB MEET SPRINGFIELD ILL. JAN. 1913  
BRED AND OWNED BY H. W. HALBACH WATERFORD WIS.



should work unitedly and really form one country-wide organization.

I think they should be conducted on a similar plan to the state branches of the A. P. A.

It is impossible to stand still, no matter what business or enterprise you are in; you must go forward or backward.

Are you going or coming?

If you are lending your support and taking an active interest in the specialty club that represents your breed; you are not only going forward yourself, but are taking others with you and are causing the advancement of poultry culture in general.

The membership dues are \$1 per year. If you are not a member, send me your application.

John A. Rhodes,  
Cedar Rapids, Iowa. Secretary.

#### ATTENTION, BREEDERS AND JUDGES.

As a member of the revision committee for the 1915 Standard, I would be glad to receive any suggestions of desired changes to be offered in the next Standard. The committee solicits these suggestions from breeders everywhere, and you can rest assured that they will be given due consideration by the committee when they meet in May.

Would also like to receive any suggestions from judges, and we feel sure that the judges have a better opportunity of discovering omissions and mistakes in the Standard than almost anyone else. We would ask the breeders in all sections of the country to not delay this matter, but to at once forward same to W. C. Pierce, 825 State Life Building, Indianapolis, Ind.

#### ANNUAL MEETING NATIONAL WHITE WYANDOTTE CLUB.

The annual meeting of the National White Wyandotte Club was held in connection with the Albany, N. Y., show on January 15, 1913.

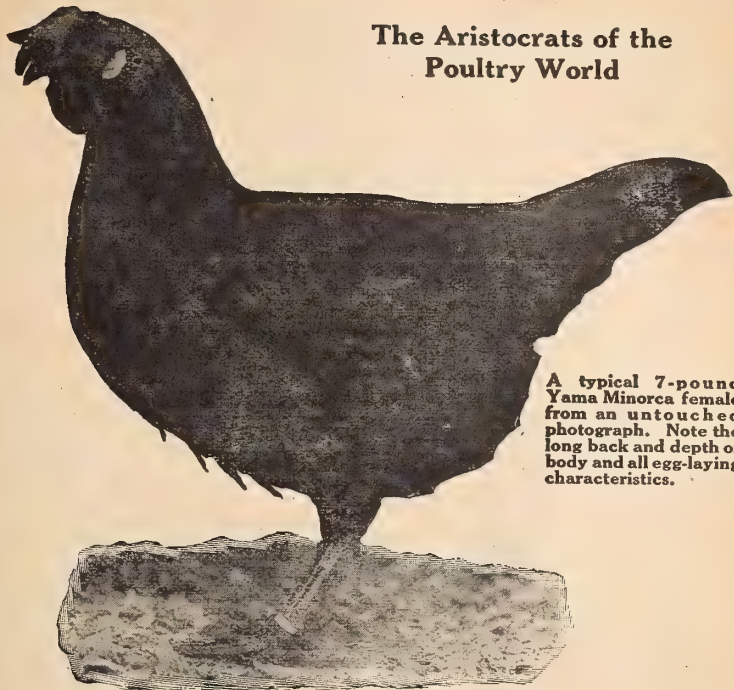
The following officers were elected for the ensuing year: President, L. J. Demberger, Stewartsville, Ind.; vice-president, John S. Martin, Port Dover, Ont.; secretary-treasurer, A. J. Gies, Delmar, N. Y. Executive committee, F. B. Williams, Naugatuck, Conn.; A. H. Emch, Toledo, Ohio; R. E. Bruce, New Orleans, La.; A. J. Smith, Cedar Rapids, Iowa; Chas. D. Cleveland, Eatontown, N. J.

The meeting very clearly demonstrated that renewed and very enthusiastic interest is being taken in the club by its members and indications point to another very good year for White Wyandottes.

Entries of White Wyandottes in practically all exhibitions during the past year have increased very much in number, and the average quality is decidedly better.

The club is in a very prosperous and flourishing condition, and will offer this year, at many shows all over the country, handsome club ribbons as special prizes, that will be eagerly sought after, as they will be one of the handsomest ribbons ever offered by a specialty club. In addition, the state cups offered will be better than ever, and it is hoped to offer very liberal cash prizes at a number of the large winter shows.

Every representative White Wyandotte breeder ought to be a member of this live club. The dues are \$1 a year,



The Aristocrats of the Poultry World

A typical 7-pound Yama Minorca female from an untouched photograph. Note the long back and depth of body and all egg-laying characteristics.

## Yama Single Comb Black Minorcas

WE believe there have never been put together twelve better pens of Minorcas. Every one is headed by prize-winning males—and one of the best judges of Minorcas wrote us on February 17: "I would like to show six of your Minorca cocks against any six in the country."

Of the 51 cockerels and pullets we have exhibited this Winter at four shows, 42 were placed and EVERY ONE WAS BRED AT YAMA FARMS.

Eggs for hatching from these pens, \$10 a setting.

Utility Minorca eggs for setting, from brothers and sisters of these selected pens, \$3 a setting, \$15 a hundred.

At Madison Square Garden, N. Y., December 30 to January 4, 1913, Yama Farms won on S. C. Black Minorcas, first, third and fifth cocks; first, fourth and fifth cockerels; first, fourth and fifth pullets; third hen; first and fourth pens; four firsts out of a possible five.

At the last Madison Square Garden Show, we had more Barred Plymouth Rocks placed than any other breeder. There IS no better pullet-mating line than we have to-day and our cockerel matings are headed by such great birds as Cock Robin, the first cockerel and championship male at Buffalo, January 1913.

See from our catalogue and show records the kind of Barred Rocks we are breeding. We know the full pedigree of every bird in our pens and have given much care and attention to these matings.

Eggs for hatching from pens Nos. 16 to 22, \$10 a setting, as they run. Eggs, \$1 each if all from one pen.

Utility Barred Rock eggs, \$3 a setting, \$15 a hundred.

Send for our catalogue illustrated from untouched photographs, also our 1913 mating list.

## YAMA FARMS

Napanoch, Ulster County, New York

Newton Cosh, Manager Poultry Department



but applications received now, accompanied by \$1, will secure a paid-up membership until October, 1914. If you are a breeder of White Wyandottes, and are not a member of the club, you cannot afford to let this opportunity of joining go by.

The handsome Year Book of the National White Wyandotte Club has just been issued, and you can secure a copy of same and full particulars relative to the club from A. J. Gies, Delmar, N. Y.

Eatontown, N. J., April 19, 1913.  
American Poultry Journal.  
Gentlemen: As previously announced

in the press, the board of directors of the New York Poultry, Pigeon and Pet Stock Association, Limited, has elected me to the office of secretary and superintendent of the Madison Square Garden show.

I am to succeed Mr. H. V. Crawford, who for twenty-one years has had charge of this, the greatest of all American poultry exhibitions, and whose skillful management has made it what it is today.

As Mr. Crawford's friend and admirer, and as an exhibitor under him for the past six years, I honor him for the great work he has done and feel that he has set a standard hard to equal.

The aim of the Madison Square Garden show is to be the greatest quality show of America, just as is the Crystal Palace the greatest in England; in the past the ideal has been realized at the Garden, and I shall endeavor to maintain this standard. In conducting the future exhibitions I pledge myself to the following:

1. A modern and up-to-date show, elegant in appearance and convenient for the exhibitors.
2. A policy by which the best birds will win, regardless of who shows them.
3. Uniform and absolute enforcement of the rules.
4. A spirit in which I will endeavor

# OPEN-AIR POULTRY HOUSES FOR ALL CLIMATES

*By Dr. Prince T. Woods*  
America's Leading Authority on Practical Poultry Keeping

The best house book ever published. Now ready for delivery. Be sure to read it before you build or make alterations in your poultry houses. Just out. 88 pages, 46 illustrations and 5½x8 inches in size.

A WELL WRITTEN, WELL PRINTED, WELL BOUND (in cloth)—a REAL BOOK, not a pamphlet or catalog. Just what you are looking for if you want to be successful with poultry. All NEW. Special illustrations from pen drawings and from actual photographs of construction work. Plainly worded. Easily understood. Tells plainly how to build and what to build so that anyone at all used to handling tools can build a good practical open-front poultry house.

## The Three Best "Fresh-Air" Poultry Houses

Tells how to build the kind of houses that the most successful breeders all over the country are building and recommending. Government workers favor these open-air houses. The "Fresh-air House" has come to stay and you will want to build one. It means Better Fowls, Freedom from Disease in the Flocks, Better Egg Yield, Better Fertility, Better Chicks.

## No Matter Where You Live, If You Keep Poultry You Need This Book

There are nine chapters and every one of them full of live interest and helpful information. Just look over the table of contents:

Chapter I—**Sunlight and Fresh Air.** Importance of pure open air both day and night for all domestic poultry. Relation of sunlight and fresh air to health and vitality. Nature's best aid in the prevention of disease.

Chapter II—**Why Use Open-Front Houses.** A few more reasons why you should use open-front open-air houses for the comfort and well being of your fowls as well as the betterment of your profits.

Chapter III—**Hints and Helps on Building.** Tools and amount of experience required. Materials. Suggestions for saving cost, floors, frame, eaves; shingles or roofing. Portable or permanent buildings. Foundations.

Chapter IV—**Location of Poultry Houses.** Land. How to face the building. Relation to surrounding country. Prevailing winds and wind breaks. Continuous or colony buildings. Yards.

Chapter V—**Dr. P. T. Woods' Improved Open-Air Poultry House.** New descriptive photographic illustrations showing how to build and actual construction of house built to illustrate this

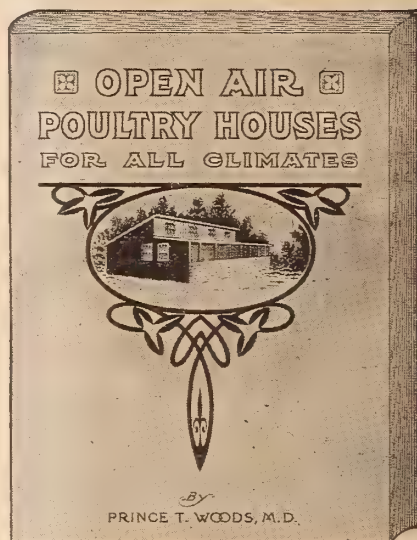
book and now being successfully used to winter 100 valuable White Plymouth Rock breeders. Dimensions of buildings. Suggestions for building on colony or continuous plan. Building instructions and list of material required for house to be boarded in, up and down.

Chapter VI—**Another Plan for Dr. Woods' House.** Line drawings showing plans and detail of frame. House to be boarded horizontally. How to build. List of material required. Complete building PLANS.

Chapter VII—**The Gillette Open-Air House.** The house used in the International Laying Competition. Description, plans and list of material required.

Chapter VIII—**H. H. Stoddard's Open-Air Cage Roost.** A protected outdoor roost for fowls in warm or hot, dry climates where no houses are needed. Diagrams showing two types of cage roosts. Night quarters which help solve the stickfast flea problem and afford greater comfort for fowls in tropical and semi-tropical climates. Rain tight roof may be provided where frequent heavy rains prevail.

Chapter IX—**The Tolman House.** Brief description and some views of this pioneer among modern "fresh-air" houses.



## Does This Mean Anything to You? Greater Comfort for Your Fowls, Better Fowls, Better Returns, Bigger Profits

If it does appeal to you, then you want this book on Open-Air Houses. If it does not appeal to you, better read it and find out what others are winning success with. Fresh-air methods have helped others to become successful and make bigger profits. WHY NOT YOU?

Price of "Open-Air Poultry Houses for All Climates," 75c Postpaid. With American Poultry Journal, One Year, \$1.40. Remember Cloth Bound, 9 Chapters, Profusely Illustrated, on High Grade Paper, Only 75c. Canadian Subscription and Book, \$1.65; Foreign, \$1.90

American Poultry Journal Pub. Co., 542 So. Dearborn St., Chicago, Illinois



to meet the exhibitors half way on any reasonable ground.

I have in mind certain amendments of the rules, as well as some changes in the arrangements, all of which will be announced somewhat later, and I can only say just at this moment that the dates will be from December 31, 1913, to January 5, 1914, inclusive—this will mean that the exhibition will be open on Sunday and thus afford the very busy classes an opportunity to view the show, and it will also mean that exhibitors will have ample time during the week days to ship the birds to the show and to secure their arrival home.

I have much to learn, and must ask that all bear with me until I am in full command of the reins of my office. If I can hold the confidence of the exhibitors I shall be satisfied, and my only regret is that I can no longer continue to be an exhibitor myself at America's greatest show. Yours very truly,  
Charles D. Cleveland.

Don't fail to send for the summer sale list just issued by Guy Daily, Jeffersonville, Ind. He is offering some grand bargains in Mature White Plymouth Rocks.

#### GREAT INTERNATIONAL SHOW.

The stockholders of the great International Show of Buffalo, N. Y., held their annual meeting March 14 and re-elected the same management: Mr. J. F. Knox, president; G. M. Soverhill, vice-president; Dr. S. A. Merkley, secretary, and the same board of directors.

The 1913 show was a huge success in every way, and an effort will be made to make the 1914 show, which will be held January 12 to 17, still bigger and better if possible.

Resolutions were adopted thanking the Buffalo Poultry and Pigeon Club, the Chamber of Commerce, and hundreds of Buffalo business men for their able assistance in making the Buffalo show one of the great shows of the country.

At the annual meeting of the Southwestern Minnesota Poultry Association the following officers were elected for the ensuing year: President, John A. Kennedy; vice-president, D. L. Williams; superintendent, W. N. Williams; treasurer, J. W. Flathers; secretary, Clarence A. Boyd. The next annual show will be held at Rochester, Minn., from December 3 to 6, 1913, and Ralph Whitney will judge.

Clarence A. Boyd, Secretary.  
Rochester, Minn.

The Forest City Fair, which will hold its inaugural exhibition August 25-30, 1913, has prepared for a poultry show which will be second to none. The premium offerings amount to more than \$3,000, and the classification is strictly up to date. Mr. Shepard Strong, of Cleveland, well and favorably known as a fancier and exhibitor, will have immediate charge of the show, and has given a great deal of time and thought to the preparation of the prize list. The result of his labors is, I believe, a list that will be much more pleasing to exhibitors than the average list of the state fairs. For further information address The Forest City Fair,

H. J. Kline, General Manager.  
North Randall, Ohio.

## CRETACEOUS WHITE WYANDOTTES

The sky is the limit of their quality. Eggs—Eggs—Eggs. Clean sweep at the big shows. First pen Cleveland, O. All firsts Wellington, O. Silver cup for best display Wyandottes. Silver cup and specials for best pen in American class. Mating list.

W. R. SHEPARD :- BOX A :- WELLINGTON, OHIO

If you want QUALITY Stock and Eggs at living prices—try

**NORMAN'S S. C. White Leghorns**  
**White Plymouth Rocks**

THE BEST ON EARTH. Write for prices on stock or eggs.

A. G. NORMAN :- CHATSWORTH, ILLINOIS

## Rouen Ducks

Breeding stock of this highly useful and attractive variety at reasonable prices. Eggs for hatching from carefully selected matings. SWEETBRIAR FARM  
LOUIS B. SCHRAM, Prop. Elberon, N. J.

## SUNNY SLOPE ANCONA FARMS

OUR BIRDS ARE PRIZE WINNERS at such leading shows as London, England, Madison Square Garden, N. Y., Cleveland and Toledo, Ohio, Allentown, Pa. Fine illustrated catalog FREE for postal.

J. O. SOMERS R. F. D. 2 BEDFORD, OHIO



## Gowern's S. C. White Leghorns

Again win First Prizes at both big Pittsburg shows, 1913, for fifth consecutive year. M<sup>1</sup> 1st pen at big Expo. show, 25 pens competing, pronounced by judges the finest ever shown. My 1st and 2d hens were simply perfection. Have also won 80 per cent of all first prizes at Canonsburg shows for last five years. My free mating list tells more about these grand winners. Eggs \$2.50, \$5.00 and \$10.00 per setting.

W. J. GOWERN, Jr. - Box A - Canonsburg, Pa.



## Rose Comb Reds—Bean Strain

OUR REDS were big winners at Pittsburg great show in January, 1913 —1st, 3rd, 5th on cock; 2nd, 3rd and 4th on hen; 1st cockerel; 5th pullet. In the hands of our customers they have won the blue in nearly every state in the union. Send for our catalogue, which will open your eyes with regards to the price of eggs; it is free. Our great CLEARANCE SALE begins May 20. Some fine breeders for sale after that date.

SIMMONS & CRITTENDEN, Geneva, Ohio

## BUFF ORPINGTONS

EGGS HALF PRICE MAY 15th—Our matings contain winners at Pittsburg, Indianapolis, New Orleans, Atlanta and Cincinnati. This means our customers will get eggs that will hatch quality fit for the greatest shows in the world. Mating list free.

BRUCE & ABBOTT Box 10 Whiteland, Ind.

## AGLER'S S. C. REDS

One customer writes: "From eggs I got from you last season I have a fine pen of Reds. Was offered \$100 for one of the cks. I paid \$200 for a pen and \$2.00 each for eggs, but yours are the best. Send the three sets as soon as possible."

Eggs half price after May. A fine lot of youngsters out that will be ready for fall shows, at very reasonable prices.

C. M. AGLER - Box 7 - MILLBURY, OHIO

PINE LODGE FARM :: SOUTH LINCOLN, MASS.

## CHAMPION BLUE ORPINGTONS

DEPPER'S STRAIN

The kind you must have when you want the best

## ORPINGTONS

Buff, Black, White—From our New York and Pittsburg, Prize Winning Stock Pens of five birds—\$10, \$15 and \$20 per pen. This offer is good from June 15 to July 15 only. This is positively the best offer that has been made by a breeder of this famous strain; the foundation of our strain being from the very best imported stock—thirty grand pens mated. Eggs half price.

SANDY LICK POULTRY FARM, 966 LIBERTY AVE., PITTSBURG, PA.

L. O. KETTERING, Prop. :: :: :: J. W. McGINNIS, Mgr.

## LOYD'S PRIZE WINNING PARTRIDGE PLY. ROCKS

ARE STILL WINNING

At Indianapolis, Feb. 3-7, 1913, we won as follows on twelve entries—Cock 1-2-5; Hen 2-4-5; Cockerel 1-3; Pullet 1-3-4. 11 prizes on 12 birds. No pen shown. At Cleveland, Jan. 20-25, 1913, Cock 1-3-5; Hen 2-4-5; Cockerel 2-5; Pullet; 2-1 First Pen and special for best display. Send for 1913 mating list, and start right with the right breed.

C. J. LOYD & SON Greensburg, Indiana

## S. C. White Leghorns

From our great LAYING BRED stock. Baby Chicks, 12c; \$10.00 per 100. Hatching Eggs (hens) settings, \$1.25; \$5.00 per 100. Special exhibition and utility matings. Cockerels and pens shipped immediately. Our reputation is behind all of this stock.

JOSEPH STENZ & SON -:- Fond du Lac, Wis.



## THE PROFITABLE CAPON.

HERE is today no more profitable source of revenue open to the American poultry raiser than the capon. When the ease and quickness of the operation is considered, the fact that anyone can become an expert caponizer with a little experience, and the further advantage that the high priced capon is merely the transformation of a cockerel that would have been

good caponizing set is about the only real essential, as the capons require no special quarters, nor particular feed, nor any more time and attention than an equal number of cockerels. In fact, they are far less trouble than the rangy, quarrelsome cocks. Every poultry owner should investigate the possibilities of capon culture—it is a field in which there is little competition and great profits.

The prime advantage of the capon is,

regardless of season, and can be handled in connection with fancy trade and hotels to bring the very highest profits. It should be remembered, also, that capons weigh from 8 to 10 pounds and over, while ordinary poultry will not tip the scales more than half as much. Many successful capon raisers state that they get 100% profit from their capons, considering only the actual cash outlay involved.

The institution of a capon department on the commercial poultry plant means also that a more rigid culling of cockerels can be made, because the culls can be converted into capons and sold for a good price, whereas at certain seasons the cockerels bring in no profit, and are often left in the flock. The coming of the capon will mean an improved stock at no loss, but even an increase in profit.

## Important Considerations.

There are a number of questions usually raised by the poultryman interested in capon raising, of which the most important are: Can I easily do it myself? What is the best time to caponize? Will the section in which my place is located affect my market?

Answering the first question; it can be said that any man with ordinary intelligence can learn to caponize quickly and efficiently in a short time. A few hours spent learning the directions, a few experiments to give the knack, and the rest is a mere matter of experience. The beginner will probably kill two or three birds to start with, but as a cockerel killed in this way is just as good for market as one killed in the ordinary manner, there is nothing lost. The first bird may take fifteen or twenty minutes for a satisfactory job, but very soon it will require only three or four minutes. Expert caponizers turn out a bird in two minutes and even less. No particular knowledge or experience is necessary to caponize well, nor very much time. Anyone can do it. It is just a simple surgical operation, requiring chiefly good instruments, a little care and cleanliness.

As to the time to caponize, this depends more on the size of the cockerel than the age. In general, the bird should be from two to three months old—never more than six months—and should weigh from one to two pounds. Most of the capons are made in the months from April to October, for the reason that



Sicilian Buttercup pullet, "Princess Lunette," winner of first at six shows this season. Bred by Isaac F. Tillinghast, Factoryville, Pa.

sold at a very low price, it is hard to realize that the demand for capons is never quite filled, and that more poultrymen do not take up this extremely profitable line.

Capon raising can be taken up as a side line on any poultry plant with hardly any increase in equipment and without necessitating a greater cost of maintenance. The purchase of a

of course, the high price it brings, and the excellent market conditions that attend its sale. Ordinary dressed poultry will average anywhere from ten to fifteen cents a pound, according to season, and often the poultryman encounters adverse market conditions that result in a very small margin of profit. The dressed capon, however, commands from 25 to 35 cents a pound, almost

# CHAMPION BUFF WYANDOTTES

(America's Great General Purpose Fowl)

AS TO QUALITY—Champion Buff Wyandottes won 30 out of a possible 32 first prizes at Chicago, Indianapolis, Nashville, Cincinnati, Hamilton, during 1912.

AS TO PRODUCTIVENESS—Champion Buff Wyandottes averaged 22 eggs per hen during the month of March, 1913.

If you want to win the blue ribbons next winter, or if you would like your egg basket full during the entire year, raise Champion Buff Wyandottes, America's great general purpose fowl.

Every bird and every egg we sell is fully guaranteed. You can't lose if you raise Champion Buff Wyandottes.

Besuden Bros. : R. W. Sturtevant, Manager : P. O. Box 359B, Cincinnati, Ohio



spring chickens arrive at the proper weight for caponizing during these months, and also because capons made during this period arrive at the proper weight for market from November to May, at which time the demand for them is greatest and prices highest.

There is not, however, any reason for selecting a particular season for caponizing, and the only reason that capons appear on the market at certain well-defined periods of the year is because of the demand exceeding the supply and the comparatively few large capon plants in existence. Capons should be on the market all the year, and the time is coming when they will be. A bird can be caponized at any season with good re-

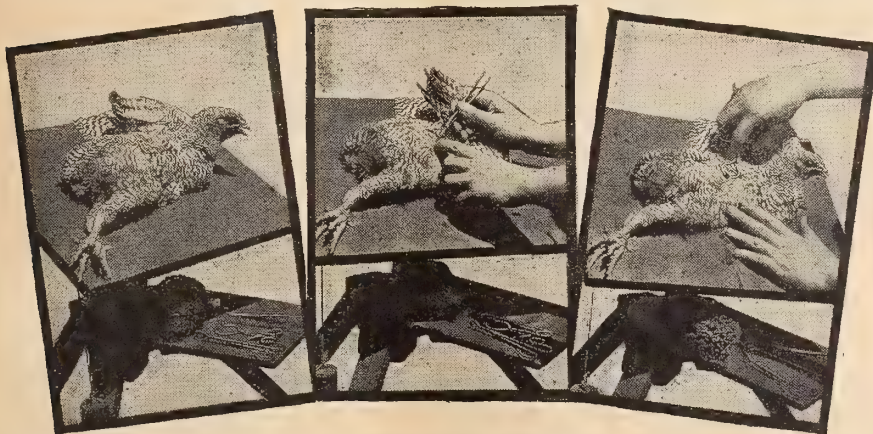
### The Operation of Caponizing.

The actual caponizing, as stated above, is merely a short and very simple surgical operation. However, space forbids here a detailed and minute description, or anything more than a general set of directions. The beginner should secure his method of procedure from one of the many books written on the subject, from issues of poultry journals that have treated the subject, from State or Government bulletins, or from the handbooks distributed by makers of caponizing instruments. Among these latter, that published by the Geo. Pilling Company, of Philadelphia, perhaps the best known makers of poultry and cattle in-

struments for caponizing. Only the very best should be used—best in material and workmanship, as well as convenience and efficiency. The caponizer should begin with one of the sets of capon tools sold by dealers, rather than attempt to pick his own tools. After he has attained expertness, he can pick out special instruments that he is able to use with better success than others—but at first he can do no better than get a complete set of capon tools.

Among the many sets of such instruments, those manufactured by the Geo. Pilling & Son Company, of Philadelphia, possess decided advantages in the way of finest tested material and adaptability for their particular uses that has come from long experience. The Pilling company has been making caponizing tools for over fifty years, and their instruments are in use everywhere, by the best caponizers. They are heavily nickeled, a fact that renders them absolutely sanitary and safe. They embody every improvement invented in this country and abroad, and they are reliable and satisfactory in every respect. The Pilling company issues an illustrated catalog of capon tools that every poultryman should send for, if for nothing else than its information. A copy will be sent free on request.

After being caponized, the former



sults, provided the operation is conducted on a sunny day and with ordinary precautions.

The locality of the plant should not affect a capon business. Just as good capons are produced in the West, the North or the South as can be made in New Jersey or in the vicinity of Philadelphia. These regions have secured their repute simply because they were the pioneers in capon culture. The name, "Philadelphia Capon," does not imply that the bird was raised near Philadelphia, but that it is a certain type of capon—a type that can be produced equally as well in Virginia as in Ohio.

struments in the country, is excellent. This book, "The Complete Guide for Caponizing," takes up the subject in detail, and can be secured free of charge from the Pilling people.

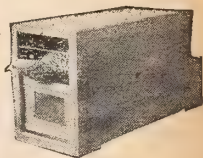
In caponizing, care should be exercised to keep hands and instruments clean, and a certain dexterity, easily acquired by experience, is needed. However, it is wonderful to note how quickly the birds recover and how much rough and inexperienced handling they can stand. It is very essential, however, that good instruments be used.

Too much importance cannot be attached to the selection of the right in-

The Only Trap-Nest that the EGG closes the door.

Shipping Coops, Live Chick Boxes, Egg Boxes, Lice Remover, etc., etc. Send for Poultry Supply catalogue.

**WARNER**  
The Coopman  
RIVER ST. :: ALLEGAN, MICH.



### Eggs From Full Blood Stock Eggs

26 White or Brown Leghorn Eggs.....	\$1.00
13 Barred or White Plymouth Rock Eggs.....	1.00
13 Silver or White Wyandotte Eggs.....	1.00
13 White Orpington Eggs.....	1.00
13 Rhode Island Red Eggs.....	1.00
13 Black Minorca Eggs.....	1.00
10 White Pekin Duck Eggs.....	1.00
10 Indian Runner Duck Eggs.....	1.00
100 Leghorn Eggs, \$5. 100 White Orpington, \$5. Others \$6 per 100. Send 25c extra for each setting and we will ship by Parcel Post, prepaid. Otherwise by Express. Remit by Postal, or Express Order, on St. Louis.	
W. P. CHAMBERLAIN, (The Perfect Chick Feed Man) Dept. 29, KIRKWOOD, St. Louis County, Mo.	

THE MOST POPULAR FOWL today is U. R. Fishel's White Plymouth Rocks

**McDANELL'S** Golden and Columbian Wyandottes  
The best winners and real sensation at Chicago, Cincinnati, Louisville and Pittsburg. 20 pens. Send for mating list and special prices.

OLD HOMESTEAD FARM

J. H. McDANELL

R. R. 2 WARSAW, KY.

**THE DRONES**

Must hustle or starve if you use a Simplicity Feeder. Saves cost in thirty days. Simplex Supply House, Pontiac Building, Chicago, Illinois.

**CAMPINES**

Silver Campines, imported stock, carefully selected and mated by an expert for exhibition stock. Winners assured. Eggs, \$10 per 15.

J. G. ZIMMER FORT WAYNE, INDIANA



**BRUCE'S ORPINGTONS**  
BLACKS, WHITES AND BUFFS -- BIRDS OF QUALITY

Are winners wherever shown. Line-bred from the best blood in America and England. Deep, wide-bodied birds of correct color, and the price fits your pocketbook. Our \$25 pens represent twice the value usually given. So do our \$5 and \$10 male birds. Our eggs for hatching at \$3 per setting, \$15 per 100, or \$5 per setting, \$25 per 100—fertility guaranteed—are the equal of any at three times their cost. Why pay more? Birds imported for special customers. Write immediately for free catalogue.

BRUCE POULTRY AND STOCK FARM, Telephone 740-R, LYNBROOK, L. I., NEW YORK

**ROSE'S ORPINGTONS**

Blacks and Buffs—Champions of America—Eggs from best pens reduced to \$5 per 15 after May 15th. Choice cockerels and pullets for show or breeding for disposal. Catalogue free. Mention American Poultry Journal when writing.

HUGH A. ROSE

FONTHILL, ONTARIO

F. CONWAY, MANAGER



cockerel loses all of his objectionable traits. He no longer chases about the yard, spoiling for a fight, running off his flesh, eating his head off, waking the neighborhood at sunrise and otherwise causing trouble. He becomes quiet, gentle and content, seeking the company of little chicks and never molesting his fellows. The capon begins at once to put on flesh and to increase in stature, growing much more rapidly than his brothers

who have not been caponized.

Although advisable to make some arrangements for housing and keeping capons together, especially if there are many of them on the place, it is not essential to go to any expense for special equipment or feeding. Plenty of water and soft feed should be available directly after the operation, which, by the way, seems to produce no bad effect on appetite or health, even for a short time.

Also it should be remembered that the capon is to be fattened for market, and fattening feed should therefore be fed. The capon is very hardy and healthy and requires no special attention.

The capon is usually kept for a year before killing. Some keep them longer, on account of market conditions, but this is immaterial. One year, however, is the minimum age for capons. By this time they have become large, fat and beautiful birds—well worth the top prices they command.

#### Killing and Dressing Capons.

There is a great difference between the dressing of capons and ordinary fowls. When the bird is ready for market, it should be kept without food for twenty-four hours before killing, in order to entirely empty the crop. A clean, light, cool place is selected for killing, and two reavy nails are driven about a foot apart in an overhead beam. Two nooses of strong string hang from these, and a leg of the capon is secured in each. Catch the head of the bird, and with a French poultry killing knife cut the vein at the back of the throat through the mouth. Never cut this vein from the outside. Immediately it is cut, run the point of the knife through the roof of the mouth clear through the brain. This causes instant death and also makes the feathers come off easily. Begin plucking at once.

A sharp hook, with a weight of about two pounds attached, should be fastened in the lower bill after killing and renders plucking easier. Capons are always dressed with the head on, as this is their distinguishing mark. Feathers are left on the wing up to the second joint, also the head and hackle feathers, the tail, those on the leg half way up to the drumstick and the long feathers on the hip close to the tail. Take care not to tear the bird, wash the head and mouth in cold water, removing all blood, and then place in the cleaning box.

Cut carefully around the vent and remove the intestines. The fat with which they are covered should be pushed back and slightly turned outward, and after hardening will give a very rich appearance. Let the birds hang in a clean, cool place until thoroughly cold and then pack for shipment.

#### Points to Remember.

There is less competition in this than in any other field of poultry raising. Every season the demand for capons is greater than the supply.

What kind of bird makes the best capon? Any kind! Even the dung hill fowl is twice as profitable if caponized. Plymouth Rocks and Langshans, however, on account of their size, make the largest and usually best flavored capons.

Be SURE to have good instruments. Don't torture fowls with bad ones. Don't risk using imperfect tools. For first class results, first class means must be used.

Remember, capons range in price from 25 to 35 cents until February, when they advance steadily until July. Capons weighing 9 and 10 pounds sell around 35 cents per pound.

Start caponizing NOW! Don't mind killing a few cockerels to become expert—they are just as good for eating as if killed in the regular way. Get a Pilling Set and become a proficient caponizer. Write the Geo. Pilling & Son Company, Philadelphia, Pa., for their booklet and catalog, and investigate this great poultry opportunity.

## EGGS AND CHICKS

### From our Vigorous, Free Range, Bred-to-Lay S. C. White Leghorns

Are the kind to start with. Eggs, \$1 per 15; \$5 per 100; \$45 per 1000. Chicks—big, vigorous, healthy fellows at 10c each. Illustrated catalogue free.

The Elliott Poultry Farm, R. R. No. 7, Mansfield, Ohio



## Tompkins' Rhode Island Reds

### BOTH COMBS

Better now than ever before. Hundreds of high-class breeding birds at reasonable prices. Write us before ordering elsewhere. Eggs from high class pens.

Concord Poultry Yards, Harold Tompkins, Prop., Concord, Mass.

## THE BIGGEST BARGAINS IN SINGLE COMB RHODE ISLAND REDS EVER OFFERED

After winning first prize in the cockerel classes at Madison Square Garden and Boston at five of the last six shows, Old Acres is the acknowledged headquarters for the finest Single Comb Rhode Island Red males. Despite this fact, many Red breeders have still to experiment with Old Acres stock. Unless we are mistaken, you are among this number. To get you to try out our stock this year, we offer you the following bargains: For \$15.00, a line-bred Tabasco yearling cock, which we reserved for breeding last year, and a setting of eggs from one of our prize pens, headed by Claret, Colonel of Corn, Country Gentleman or The Gardener, all New York and Boston winners. For \$7.50, a line-bred Tabasco cockerel, and a setting of eggs from one of our extra matings. If you want to secure our color, do not delay your order, as we reserve the right to cancel acceptances.

OLD ACRES : FOXBORO, MASSACHUSETTS

## O. K. Poultry Litter

TRADE MARK

Is the most wonderful litter for LAYING HENS, BABY CHICKS and POULTRY of all kinds. It's cheaper to use and ever so much better than Straw, Clover, Alfalfa, Sawdust, Shavings or anything else ever thought of for litter. Everyone who tries it uses nothing else.

"O. K." **BROODER** CLEAN DRY SWEET  
KEEPS THEM WITHOUT ONCE CLEANING OUT

Can you imagine the comfort, convenience and time saved running your brooders like this? Remember, one lot of "O. K." Litter lasts until the chicks have outgrown the brooder, without one cleaning out. In COOPS, LAYING HOUSES, COLONY HOUSES and SCRATCHING PENS "O. K." Litter dries up the droppings so that the house is always dry, clean, sweet-smelling and sanitary, and needs cleaning out only once in 3 or 4 months. "O. K." Litter is a tremendous saver of time and money.

### WRITE TO-DAY FOR FREE SAMPLE.

"O. K." Litter will not burn. Lice will not come where it is used. TELL US HOW MANY HENS AND CHICKS YOU KEEP—WE WILL TELL YOU HOW MUCH "O. K." LITTER YOU NEED. Write to-day to New York for free sample and printed matter. You need them.

**O. K. COMPANY**  
Dept. 173, 157 Water Street  
NEW YORK CITY  
Direct shipments also from Chicago and New Orleans.







## Origin and Characteristics of Indian Runner Ducks

By LOUIS A. STAHMER

No breed of ducks has ever received such an enthusiastic welcome by Farmers and Poultry breeders in response to the extensive publicity, which they have received, as the Indian Runner. Regarding their origin a number of authorities differ, but that they were originally introduced into England about fifty years ago is generally accepted as true. According to Mr. M. J. Donald of Wigton, an authority on the subject, they were first brought to White Haven, England, from India by a sea captain and presented by him to some of his friends living in Cumberland, and for this reason the name of Cumberland Ducks is still being used to designate a certain variety of this breed. Although some fanciers claim that the original color of these birds

was penciled there is a difference of opinion regarding this matter in the United States, and when the Standard was made by the American Poultry Association, through the influence of many prominent breeders in this country, the English color Standard was changed and instead of making the penciled variety the accepted Standard color, the description of fawn and white was adopted instead. Although penciling is not classed as a disqualification, birds of this color stand very little show in competition with the fawn and white variety. In some shows, however, two separate classes are made, and at New York at one time two good size exhibits were shown. The shape of the Indian Runner Ducks is what distinguishes them from other members of the duck family, and on account of their upright position compelling them to take shorter and faster steps they were named Runner Ducks, and from the fact that they were originally imported from India the name of Indian Runner Ducks seems to be appropriate. The peculiar shape of the head, and the unusual length of the bill are other distinguishing characteristics and the dewlap found in the heavier varieties is missing entirely. Big claims are made for them from the utility standpoint, and one of the greatest and in fact the main asset of these ducks is their enormous egg laying capacity on the strength of

which they have been named the "Leghorn" of the duck variety. A 125 egg average for a whole flock is nothing extraordinary and 200 eggs per year records are not uncommon. The ducks are not very large and a fully matured specimen will not weigh much over five pounds. Their flesh is of exceptional quality not being near as greasy as that of the Pekin or Rouen duck. For the size of the bird, in comparison with the different breeds of poultry of the same weight, the Indian Runner Duck lays very large eggs. The eggs averaging about six to the pound are quite delicate in flavor and much in demand. Indian Runner Ducks are very easy feeders, they are the greatest foragers of any ducks, and if left to themselves will pick up

three fourths of their living if there is a possible chance. They are very poor sitters and it is best to have the eggs hatched by hens or in incubators. They require absolutely no water to swim in, as is generally supposed by many people, and for this reason are an ideal bird for the city or the suburban poultryman. What we have said about the fawn and white runner Ducks applies also to the pure white variety. Until about four years ago there were very few of this kind in America, but today they are giving the fawn and white variety a big run for popularity.

Undoubtedly the largest flock of

this variety is owned by Mrs. U. R. Fishel, Hope, Ind., wife of the well known White Rock breeder. Mrs. Fishel informs me that the demand far exceeds the supply. On my last visit to their place I saw close to 2,000 of extra fine specimens showing very good type. Indian Runner Ducks require very little shelter no nests are needed, and as they will persist in laying on the ground, for that reason they should be kept penned in until about 10 o'clock in the morning, as after that hour very few eggs are laid. Indian Runner Ducks should lay pure white eggs. Green eggs show the presence of an outcross either for size or color.

Increased production has made keen competition at the shows, resulting in a better understanding of type and color.



A Flock of Young White Runner Ducks





HIGH GRADE FIRST PRIZE WINNERS AT PITTSBURGH, FEBRUARY, 1913.



WHITE PLYMOUTH ROCKS THAT SHOW ALL THE DESIRABLE FEATURES OF THE BREED.





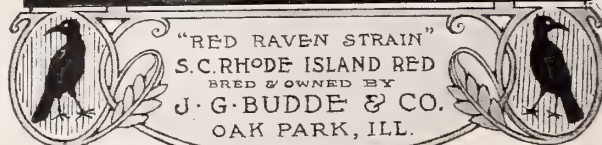
#### INDIAN RUNNER DUCKS.

They are great layers of large eggs and will equal in production any of the modern breeds of poultry. Averages of close to 200 eggs per year are not uncommon. Their flesh is of fine texture and quality and not as greasy as that of the Pekin or Rouen Duck. They are very active in their habits, great foragers and will pick up three-quarters of their living if there is a chance.





FIRST PULLETT AT PITTSBURGH.  
A BEAUTIFUL SPECIMEN OF THE BREED



JUST AS RED BELOW THE SURFACE AS SHE IS ABOVE.  
A GREAT FIRST PRIZE WINNER.



A PAIR OF WHITE WYANDOTTES OF TYPE AND QUALITY



# American Poultry Journal Experimental Station

Dr. Prince T. Woods, Director

## Some Changes.

Hereafter the American Poultry Journal's experimental work and investigations in poultry husbandry will be conducted on the Anchorage Farm, the home of the managing editor, at Silver Lake, Plymouth County, Mass., and on the home farm of our associate editor, H. H. Stoddard, at Riviera, Texas.

The Anchorage Farm now occupies about 29 acres of land on the shore of Forge Pond, near Silver Lake, and is well equipped for experimental work. Owing to some unexpected changes, which have occurred since the middle of February and which interrupted all poultry experiments and stopped all poultry operations, the farm will be restocked on a smaller scale and under the sole proprietorship of Dr. Woods. To perfect plans for this reorganization and reconstruction will take some time and it is intended to take ample time for the work and keep it under exclusively one-man control. We are confident that the results will prove more satisfactory to Dr. Woods and to our readers.

The Wozelma Farms Producing Company, mentioned in the January American Poultry Journal, is no longer associated in any way with our experiment station, and Dr. Woods no longer has any connection whatever with that corporation. At the annual stockholders' meeting the Wozelma company re-elected John E. Zeller treasurer, who is principal owner of the company. H. LeBaron Sampson, Esq., of Boston, was made clerk of corporation, and the following directors were elected: John E. Zeller, East Orange, N. J.; H. V. W. Card, New York City, and Ralph L. Mason, Wellesley, Mass. We understand that the plant, including all breeding fowls, is to be moved to New Jersey within a short auto drive of Mr. Zeller's parental home. The company will not be in any way associated with our experimental work. Any further information which may come to us concerning it will receive due consideration as news. The company still retains a considerable area of woodland on the shore of Silver Lake.

Experimental work on A. P. J. Experiment Station since the middle of February has been so interrupted that we have little to report. Practically all of the work with fowl which had not been concluded by that date was so interfered with that it will have to be started again with new flocks, owing to the changes mentioned above. We believe that eventually these changes will work out to the best interests of this magazine and our readers.

## Tested and Found Good.

Following are listed a few things that are due for report and which have been tested at American Poultry Journal Experiment Station:

## Hatching Egg Carriers.

**Egg Bale.** The Egg Baler Co., Kansas City, Mo. A specially prepared package or bale of excelsior for carrying eggs for hatching, either by parcels post or by express. This is an excellent and economical carrier for hatching eggs and it can be depended upon to carry valuable eggs safely. No other packing required.

**H. & D. Egg Box.** The Hinde & Dauch Paper Co., Sandusky, O. A good, strong, light-weight shipping package, made of celliform jute board. Stands shipment well. Some packing required around eggs.

**Safe-Egg-Pak.** Star Egg Carrier & Tray Mfg. Co., Rochester, N. Y. A good parcels post and express carrier for hatching eggs. Case is of wood. Fillers are special design and protect eggs without extra packing.

## Equipment.

**Poultry Wire.** Silver Finish Brand. Clinton Wire Cloth Co., Clinton, Mass. Styles tested: fly screen mesh, 1/4-inch mesh for house fronts, 1-inch hexagon mesh, 2-inch hexagon mesh. Very satisfactory and durable wire goods.

**Galvanized Iron Nests.** H. L. McIntire, Rockwood Farm, Burlington, Kan. Practical, serviceable nests made of galvanized iron and supplied in single nests, and banks of three or six nests.

**Twelve-Bird Laying House.** E. C.

**Young Box Co.,** Randolph, Mass. A convenient, low-priced, well-made combination colony house. Made with and without patent back allowing roost to be exposed to weather by day. Convenient for small flocks anywhere and especially so for the back-lotter.

**"Planet, Jr."** No. 25, Seeder and Double Wheel Hoe. S. L. Allen & Co., Philadelphia, Pa. Very convenient and efficient implement for use in the garden. A great labor saver.

## Supplies.

**Beef Scrap.** The Geo. E. Marsh Co., Lynn, Mass. A good, wholesome feeding scrap, which runs uniform in quality.

**"Sterlingworth Charcoal."** An excellent quality poultry-feeding charcoal. Our supply obtained through Jos. Breck & Sons, Boston, Mass. Can be had of supply dealers generally.

**Sifted Oyster Shells.** Eastern Grain Co., Bridgewater, Mass. A good quality crushed oyster shell for poultry feeding, cleaned and graded in three sizes.

**Green's Poultry Account Book.** Horton B. Green, Dixon, Ill. A convenient and easily kept account book for poultry keepers.

Numerous other things have been received, but there has not been opportunity to test them. No report is made unless test shows sufficient merit to warrant it.



## J. W. PARKS' STRAIN BRED-TO-LAY

### BARRED PLYMOUTH ROCKS

My hen "Liberty Bell" laid 266 eggs in 1912, winning championship cup at Illinois State Show, Springfield, January, 1913. Circular free.

Eggs for Hatching and Day-Old Chicks

O. F. Mittendorff : : Lincoln, Illinois

# TABASCO REDS

## Champion S. C. Rhode Island Reds

Winners—1913—of best display at Madison Square Garden, with First and Fifth Cockerels, First and Second Pens, etc. Thirty Points to the next competitor's nineteen.

Winners—1913—First Cockerel and Second Pen, with Specials, at Boston's Great Show. First Cockerel at both New York and Boston in one season is an unequalled record to date.

Winners—1912—of the \$50 Cup for the best Cock, Cockerel, Hen, Pullet and Pen, at the annual meeting of the R. I. Red Club of America, at Boston.

Winners—1911—of First and Third Cockerels at Madison Square Garden, and First and Third Cockerels at Boston.

Winners of seven of the sixteen ribbons in the Cockerel Classes at Madison Square Garden the last three years.

Winners of First Pen at Boston five of the last six years.  
For red-hot Tabasco Reds address,

Old Acres :- Foxboro, Massachusetts





### May to Mid-June.

For best results get small chicks out on the ground early. Provide a green run if possible and increase size of run gradually as they become used to it. Always train brooder chicks to use the outdoor run and see that they learn to go into the brooder to warm up. Prevent huddling out of doors in sunny spots.

\* \* \*

Look out for hawks, foxes, cats and other marauders at this season. You will need to wage war all the time against furred and feathered chicken thieves. Foxes and hawks are particularly plenty and bold in our section this season. We had a big red-tailed hawk make way with an eight-pound hen early in April and it swooped down into the run near the house for its victim.

\* \* \*

When through using eggs for hatching take the males away from the hens. You will have better warm-weather market eggs and the hens will be benefited. Any males that you do not intend to carry over another winter, or hold for sale as breeders, had better be sold now for market.

\* \* \*

Hens that have laid well all winter and show signs of knocking off work for the warm season can often be induced to give a fine summer egg yield by giving them a good, well-shaded woodland or orchard range, with no shelter but the trees. Provide plenty of roofed nests in sheltered spots.

\* \* \*

When thinning out the garden do not forget that the fresh young greens will be relished by the fowls and chicks. Feed an abundance of fresh

green food. Give them all that they will eat. Plant a patch of rape to supply fresh greens for growing chicks later in the season.

\* \* \*

Apple blossom time is a fine season for young chicks in the orchard. Be careful though not to mix up the chickens with the free use of poisonous spray mixtures. Green stuff drenched with lead and arsenic spray mixtures will kill chicks.

\* \* \*

Bear in mind that while sunshine and fresh air are two of nature's best gifts, protection should be provided against high winds and also some shade is necessary when the sunshine becomes too hot for comfort.

\* \* \*

Provide plenty of cool drinking water. Keep it in a shady spot, where it will stay cool. Keep the drinking vessels reasonably clean.

\* \* \*

Don't overcrowd chicken coops at any time, but be particularly careful at closing up time to see that coops and boxes are not crowded and that there is ample ventilation. We had two young men on the place last season that thought more of their own comfort than they did of the flocks, and one warm night they closed tightly a box coop that contained about three times as many 3 and 4-pound chicks as it could be expected to hold. Result that they held an inquest the next morning on a box full of dead chickens. They were "sorry," but that did not pay for the chicks and a little care at closing up time would have saved trouble and prevented the loss.

\* \* \*

Because you happen to have been

successful with one brood or have gone through one season with fairly good results and without many mishaps, don't get the notion into your head that you know all there is to know about poultry. There are a good many breeders, who have been at it for a score of years, who will tell you that they know less now than they thought they did at the close of their first year, and they are still learning. Don't be ashamed of what you don't know. Don't let your head swell too big with what you think you know. You may have to forget some of the things you feel so cocksure of now. It is a good deal better not to know so much, than it is to know so much that isn't so.

\* \* \*

One of the hardest things for some folks (especially some young folks who are in a rush to get through work to go pleasuring), is to clean up after a job when it is finished or before starting a new one. When through with sitting nests, clean them up and put them away. When through with incubators, clean them up and leave in good order; if hot water machines, drain off all water. Do the same with brooders, with tools and with everything you use. It takes a little time, but it saves both time and money in the end.

\* \* \*

Break up the broodies that you do not intend to set. A swinging coop with a slat bottom is a most effective breaker-up. If the hen is put into the breaker-up the first night she is found on the nest and allowed to stay confined three days without food, but with water to drink, she will usually be ready to go back to the flock and in three or four days more may be laying again.

## BABY CHICKS—U. R. Fishel's White Plymouth Rocks the Best in the World



## WHITE AND PARTRIDGE PLYMOUTH ROCKS

Chicago, Milwaukee, Racine 1913 Winners.

We have mated 12 pens of White Rocks and 6 pens of Partridge Rocks for the egg trade. Every pen is carefully selected and will produce birds of type and quality that will satisfy the most fastidious breeder. Remember that the prizes our birds won were won in the strongest competition at Chicago, against such breeders as Owen Farms and Guy Daily. I still have several splendid bargains in Partridge Rocks and Golden Laced Wyandotte Cockerels. Send 3 red stamps for our handsome new catalog just off the press. It will convince you that we have the goods and sell them at living prices.

PETER OLLE -- R. F. D. 4, BOX 110 -- RACINE, WISCONSIN

## 20th Century Dual Purpose Fowl

MONMOUTH S. C. BUFF AND WHITE LEGHORNS. We have perfected in our strain the long sought for result, exhibition and utility combined. Champions of the South, practically sweeping the decks in both varieties at Atlanta, Ga., December, 1912, also winning 1st pen Madison Square, New York, 1912-13, for the 5th year in succession in Buff Leghorns our only entry, places the MONMOUTH STRAIN in a class by itself. Our Buffs and Whites are producing wonderful results on many egg farms the country over, and reports from Argentine Republic and other foreign countries, who breed the MONMOUTH STRAIN, are most flattering, which substantiates our claim that we have perfected in our strain the DUAL FOWL. Why hesitate and experiment when a tried and true article is within your reach? Join the ranks of Monmouth Customers and tread the path of success. Years of experience are back of our matings this season. They are not problematical but assured facts. Our past records speak emphatically for our ability in this line. Send for our beautiful 1913 Catalog and Mating List which gives full description and prices of our matings and stock. Always address,

MONMOUTH FARMS J. C. Punderford, Owner  
Thomas Lockwood, Supt. FRENEAU, MON. CO., N. J.



## QUESTIONS AND ANSWERS

Questions will be answered in this department only when full name and address is signed by the writer.

Conducted by

Prince T. Woods, M. D.

### If Your Questions Have Not Been Answered.

If your questions have not been answered in this department over your own initials or those of some other correspondent, or you have not received a reply by mail, we are sorry that you have been disappointed. We have done the best we could for our correspondents, but we have been more than ordinarily busy this season and have received several hundred more letters than one man could possibly handle if he gave his whole time to it, and we can only devote a very small portion of our time to correspondence and to this department. So far as possible the more urgent cases have been answered by mail. Those of general interest to all have been answered in these columns so far as space and time would permit. If your letter remains unanswered or was sifted out in the "culling" we hope you will understand and not feel too badly about it. Next time we hope you will have better luck.

### Good Grass for Chickens.

Q. What would be a good grass to sow for chickens?

Washington, R. I.

R. W. A.

A. Any good lawn mixture that makes a tough sod. Would prefer one containing some white clover, which grows fine and low and stays green in dry weather.

### Lettuce for Chickens.

Q. (1) Is lettuce good greens for chickens? If not what is the best? I am feeding lettuce only.

A. (1) Lettuce is good if fed when young and tender. Chopped dandelion leaves make fine greens for chicks early in the spring. Dwarf Essex Rape is a first class green food to grow for chickens and fowl of all ages. Sprouted oats are eagerly eaten by chicks and fowls and there are many other green foods containing living cells that are good to feed. Raw potatoes will be relished when other live vegetable foods are

scarce. An abundance of live vegetable matter (greens and raw vegetables) are necessary to balance the grain and meat feeding.

Q. (2) Which kind of beef scraps is the best?

San Gabriel, Cal.

W. S. T.

A. (2) We have no data concerning beef scraps available in your locality. Good beef scrap should not have an offensive foul odor and should not smell like guano when scalded. It ought to be a light coffee brown, may contain some coarse particles of meat and bone, but should average rather fine. It should be free from lumps and should not contain wool or bristles.

### Worms.

Q. Do chickens ever have worms? If so what are the symptoms? What is the cure? We have a number of chickens that are old enough to weigh 2 or 3 pounds, but do not grow and are skin and bones. They are fed well three times a day. Use cracked corn, wheat, oats and bran. Give either steamed or sprouted oats once a day. Chickens seem weak in their legs. They are always hungry and eat everything they can get.

Omaha, Neb.

M. H. F.

A. Both chicks and fowls may have

parasitic intestinal worms. The symptoms vary. You may have abnormal appetite or loss of appetite. There may be leg weakness, diarrhoea, and partial paralysis of neck (limberneck). There may be cases where the chicks have fits (not always due to worms but may be in some cases). Usually there is loss of flesh, emaciation, stunting of growth. Diagnosis can be positive only when worms or parts of these parasites are found in the droppings. Remedy: The droppings must be thoroughly drenched with a good disinfectant and be removed often to be either burned or buried deeply. Crushed garlic bulb fed freely in the soft food is often effective. In some cases it may be necessary to starve the birds for 24 hours and then give good dose of turpentine and sweet oil. Mix one teaspoonful of spirits of turpentine with two tablespoonfuls of sweet oil. The whole may be given at one dose to adult fowls, give chickens considerably less in proportion. If this does not result in prompt improvement follow in a few hours with a dose of epsom salts. The dose of epsom salts for an adult fowl is  $\frac{1}{4}$  teaspoonful and it should be given well diluted with water. 8 weeks old chicks should not be given more than one-quarter of that dose. The turpentine and sweet oil mixture is best given with a syringe and injected down

### DIRK'S RED MITE KILLER



One application kills all mites and prevents their reappearance during the season. Keeps fowls free from body lice. Makes scaly legs bright and clean. Keeps lard, pastry and sweets free from ants. Write today for special trial price.

**M. E. DIRK, Box 102, North Baltimore, Ohio**  
Marshall & Marshall, Niagara Falls, Ont., Distributors for Canada.

## OCULUM

### The GREATEST EGG PRODUCER KNOWN

—is rapidly covering the country through many leading distributors. Experts and experiment stations are recommending it. Why? What is good enough for them, is none too good for you. Worst cases of cholera, roup, white diarrhoea and black-head readily yield to OCULUM. Here is what I. W. Scott & Co., Pittsburg, say:

"Yours received acknowledging our order for fifty gross (\$24,000.00 order) OCULUM. We have been handling OCULUM for more than a year, and although we have always put it out on your "money-refunded-if-not-satisfied plan," we have not been called upon to refund for a single bottle."

Will you still use the AXE? At your dealer—or send direct. Two extra syringes for dealer's name.

H. I. CO., Box B, Salem Virginia.

Inclosed find \$1.00, or 50c. Please rush me bottle OCULUM. If I am not satisfied after 30 days' use, my money to be refunded. (Write plain.)

Name..... Address.....

My Dealer's Name..... Address.....

## Silver CAMPINES

## Silver CAMPINES

## Silver CAMPINES

### FIRST COCK

### CHICAGO, 1912

### PULLET FIRST

Artist Louis Stahmer of the American Poultry Journal writes: "The type and markings of these fowls come as close to the accepted Standard as any Campines I have handled this year."

### Take no Chances with Unknown Strains

My birds are absolutely free from Braekel Blood.

### EGGS FOR HATCHING---AN HONEST HATCH GUARANTEED

No stock for sale.

Write for prices and mating lists.

## FRANK E. HERING, South Bend, Ind.

Reference: THE AMERICAN TRUST CO., South Bend, Ind.





the gullet directly into the crop. Usually a little garlic bulb fed in soft food is all that is needed for smaller chicks.

#### Cost of Building Woods' Open-Front House.

Q. We have one of Dr. P. T. Woods' books, "Open-Air Poultry Houses for All Climates," and contemplate erecting a 20x20 ft. house on his plan. Have had several bids taken, but the price asked to put up this building is way beyond our expectation. Kindly let us know what this poultry house has been built for before, in order that we may be guided by cost paid by others.

St. Louis, Mo.

L. H.

A. During the season of 1912 we built eight of these Woods' houses, each 20x20 ft. The houses were well framed and set on posts. The sills were of 4x6 spruce, studs and plates of 2x3 spruce, rafters 2x4 spruce. Covering-in boards were Michigan poplar. Second clear shingles were used for sides and best clear shingles for the roofs. The doors were made of good clear matched white pine. The nails and hardware were best quality for the purpose. Good new windows were used and were bolted on. One-quarter in. mesh galvanized netting was used for the fronts. The cost of these houses, including labor at \$2 per day for three men, and also including filling with gravel from our own pit near at hand, was \$115 per house. It is not necessary to hire skilled carpenters at \$4.50 per day and upwards to build poultry houses. You should, however, be able to find a con-

tractor who will put up these houses in lots of eight or ten buildings at a cost not to exceed \$100 per house for material and labor. A cement floor or filling in with gravel to tops of sills will add somewhat to the cost.

#### Charcoal.

Q. Have never used any charcoal for my fowls, but am thinking of getting some for them. Have no idea how much 100 birds (Wyandottes) might be expected to eat. They have an acre range in good weather.

Menan, Idaho.

J. H. Y.

A. Amount eaten varies a good deal. If not used to it they may eat a considerable quantity after they first take to it. Be sure to get a good grade of charcoal prepared especially for poultry feeding. We used half a ton for one thousand hens for one year, though they were without any for a couple of months. One hundred pounds would probably carry your fowls through the year all right. It is sold usually in 50-pound sacks and in barrels. If you cannot order 500 pounds at one time it will probably be better economy to have a barrel sent by freight.

#### What's the Answer?

Q. (1) I had six White Leghorn hens and three Buff Rock hens with a White Leghorn cock. The Buffs laid brown eggs and the Whites laid large, pure white eggs, no similarity between the two kinds of eggs. Is it possible

that chicks hatched from the Leghorn hens' eggs could be marked by simply having the Buff hens run with the Leghorns?

A. (1) We do not believe such contamination or "mental influence" at all probable.

Q. (2) I hatched chicks from the Leghorn eggs and had no sign of a mixture, but I sold some of the Leghorn eggs to a party and when the eggs were hatched there was a pure buff chick in the brood. The party claimed it was hatched from one of my Leghorn eggs. I do not believe it was, but think one of her Buff hens laid the egg in the sitter's nest without her knowledge. The chick when two months old looked like a pure Buff Rock.

Grand Rapids, Mich.

F.

A. (2) We don't believe the Buff chick came out of one of your Leghorn eggs. You may have included a bleached out Rock egg in the sitting. Her brood hen may have laid an egg in the nest from which the Buff chick was hatched, or, as you suggest, one of her Buff hens may have laid in the sitter's nest.

#### Scaly Leg.

Q. The scales come off the legs and feet of some of my hens, leaving them bare and rough. What is cause and the remedy? I have been told it is due to lice. If so, what kind of lice?

Dayton, O.

S. K. S.

A. Trouble is scaly leg, caused by a

# FRENCH'S POULTRY MUSTARD

## "Beware of Imitations"

If you will send us your name and address, we will send free of charge a copy of the booklet edited by Mr. Ralph Allen of Herts, England, containing a full description of the experiments conducted for over two years by Mr. Allen, in the feeding of mustard to poultry for increased egg production, together with testimonials and experiences of many of the largest and most prominent American fanciers. French's Poultry Mustard is an improvement upon the mustard that was used in England during these experiments. If you are not using it already, you should begin at once.

### POULTRY MUSTARD DEALERS:

ALABAMA	Birmingham	Gammill Seed & Dairy Supply Co.	NEW JERSEY	Elizabeth	R. Pinder, Prop. Poul. Supply House, 279 Morris Av.
BRITISH COLUMBIA	New Westminster	McVay Seed Company		Ridgewood	S. Nagle Jr. Coal & Grain Co., 22 Broad St.
CALIFORNIA	Petaluma	Brackman-Ker Milling Co.		Scotch Plains	Sidney B. Clarke, Harmony Park, Route 1.
CONNECTICUT	Los Angeles	Brackman-Ker Milling Co.	NEW YORK	Elmira	Charles E. Hart, 111 Durland Ave.
FLORIDA	Southport	Coulson Poultry & Stock Food Co.		Gloversville	E. L. Durkee & Co., 13 No. Main St.
	Jacksonville	German Seed & Plant Co.		Newark	C. A. Welcher, Stump & Walter, 50 Barclay St.
GEORGIA	Atlanta	Pequot Poultry Farm Co.		New York City	Daniel Eddy & Sons, Inc.
		(The Lackawanna Co., 328 Forsyth St.		Saratoga Springs	Peabody Drug Co.
		Walton Seed Co.		Durham	Job P. Wyatt & Sons Co.
		Atlanta Seed & Produce Co.	NORTH CAROLINA	Raleigh	S. P. Goudey.
		W. G. Hastings & Co.		Yarmouth	J. M. McOullough's Sons Co.
ILLINOIS	Brunswick	McMillan Seed Co.	NOVA SCOTIA	Cincinnati	The Cash Store.
	Savannah	J. M. Burnett	OHIO	Woodsfield	Frank E. Dorr, Prop.
	Chicago	W. D. Simkins & Co.		Harrisburg	Theodore Neuffer, 1214 Derry St.
		W. W. Barnard & Co., West Madison St.	PENNSYLVANIA	Hellertown	Robert E. Yons.
		The Vaughan Seed Store, 31 West Randolph St.		Philadelphia	Ougley & Mullen, 1223 Market St.
INDIANA	Quincy	Eber Seed Co.		Pittsburgh	O. J. Cleland, 6455 Franktown Ave.
	Indianapolis	Petaluma Incubator Co., 147 North Delaware St.			I. W. Scott Co., 514 Liberty Ave.
	South Bend	The Wesley Miller Flour & Feed Co.			J. Walker & Son, 1625 Beaver St.
KANSAS	Wichita	Ross Bros. Seed House	TENNESSEE	Tunkhannock	Jennings & Stark.
LOUISIANA	New Orleans	Bruce Poultry & Seed Co., 230 Carondelet St.	TEXAS	Memphis	Otto Schwill & Co.
MARYLAND	Baltimore	Griffith & Turner Co.		Fort Worth	Drummond Seed & Floral Co.
MASSACHUSETTS	Fall River	Meyer-Stisser Co., 32 Light St.		Dallas	Texas Seed & Floral Co.
	Salem	W. G. Pearce & Co.		Norfolk	Faney & Miller, 48 Washington St.
MICHIGAN	Detroit	Ropes Bros. Co., Central St.	VIRGINIA	Richmond	T. W. Wood & Sons, 12 South 14th St.
		Tomlinson & Lanphere Co., Jefferson Ave.		Seattle	Seattle Seed Co.
MINNESOTA	Grand Rapids	Jones Seed Co.	WASHINGTON		
	Minneapolis	Northrup King Co.			

THE R. T. FRENCH CO., DEPT. A, ROCHESTER, N. Y.



parasitic scab mite (the *Sarcoptes mutans*). Apply compound sulphur ointment to the affected parts and rub it in well. Give two or three applications a day or two apart and then soak the legs and feet in warm soapsuds. If they do not clean up well, repeat the treatment.

#### Feeding for Rapid Growth.

Q. Will you kindly tell me what combination of hard grains and mill feeds are necessary to promote rapid growth of chicks from three weeks old to maturity? I want a good mash and the required hard grains to go with it. A ration that will make bone and muscle rapidly and not fat and that will insure large massive frames and good sound muscle at maturity. I should mention that the chicks in this case never have free range from shell to maturity and are always kept in limited quarters. Thus they do not have the opportunity to gather bugs and worms that they would if allowed to roam. I want to know how to supply

the equivalent in their ration. I have tried several commercial foods and also several formulas given in papers, but all of them produce too much fat and not enough bone and muscle. I understand that growing chicks must have sufficient green food, together with shade in summer and plenty of exercise at all times. All of these features I have arranged for nicely and it is the addition of a good growing mash and proper hard grains that is necessary to produce the desired result.

Howard Park, Md.

W. J. G.

A. You can't grow good sound healthy youngsters without some fat, in fact a good deal of fat is necessary to arrive at the very results you wish to attain. We doubt very much if you can get the massive frames and good sound muscle you are after unless you supply a reasonably liberal amount of good green range. Arranged for exercise won't take the place of an open run that is well divided between grove and grassland. You will need to feed an abundance of fresh greens and

freshly chopped Dwarf Essex Rape is one of the best. Freshly cracked corn will be one of the most essential hard grains, followed later by whole corn. They will need an abundant supply of good beef scrap. For hard grains other than corn you will want plenty of good heavy oats and some good hard wheat. Oats should be fed plain and sprouted. For mash would suggest the following grains ground together into a rather fine meal: Whole corn, 50 pounds; whole hard wheat, 20 pounds; heavy clipped white oats, 15 pounds; best heavy barley, 15 pounds. Keep this meal before them all the time in a hopper. They will eat it eagerly hulls and all. Give, as usual, supply of clean water, charcoal, crushed shell, grit and granulated bone. If they get enough outdoor exercise and sufficient greens they won't take on excess of fat. If rather closely confined and not sufficiently exercised you will find that they will fatten. We don't believe that anything can take the place of a combination of green and woodland

## E. B. Thompson's Imperial Ringlet Barred Plymouth Rocks



First Prize Cockerel and Champion Male and First Prize Pullet and Champion Female at Madison Square Garden, New York, 1913

Mr. E. B. Thompson:

Dear Sir:—From the Imperial "Ringlet" eggs ordered from you last Spring I have 23 of the most healthy and well marked birds, both in shape and barring that I ever had the pleasure to lay my eyes upon. Out of the 23 birds I have exhibited 13 with the following results:

At our Williamsport show in competition with 240 Barred Rocks, I won first cockerel on two entries. At Hughesville, Pa., showing 13 birds, I won 1st, 2d and 4th on cockerels, three entries; 1st, 2d and 3d on pullets, three entries; 1st pullet bred cockerel, one entry; 1st, 2d, 3d, 4th and 5th on cockerel bred pullets, six entries.

I have sold three of the cockerels at \$25 each and have refused \$150 spot cash for my first prize Williamsport cockerel, and \$50 for the other cockerel; I also refused a very flattering offer at Hughesville for my complete line of pullets. I must acknowledge the Imperial "Ringlet" strain is positively the best I can get. You may depend on me for a very substantial order very soon.

Yours truly,

C. E. Liebensberger.

Elegant cocks, cockerels, hens and pullets of the richest New York first prize champion blood for sale and mated to produce prize winners. I will take a warm personal interest in your success.

My "Ringlets" are wonderful layers of fine eggs as well as win the blue.

Richly illustrated 70-page catalogue upon request. It is full of illustrations of New York winners from life.

EGGS from the finest exhibition matings in all the world, \$10 per setting; four settings for \$35. One hundred eggs, \$60.

**E. B. Thompson** Lock Box 510, Amenia, New York

### The Finest Birds in All America Are Here on My Farm Today THOUSANDS IN NUMBER

The reason for my unprecedented winning at the last 1913 Madison Square Garden, New York, Show is very evident on my farm on all sides. See ad at top of back cover page for this wonderful record.

Emerson said:—"If a man can write a better book or make a better mouse trap than his neighbor, though he build his house in the woods the world will make a beaten path to his door." The path to my farm is well trodden by prominent breeders.

I invite you to come and see my Imperial "Ringlets" at home—on their native ground. A visit here will be a revelation in the science of Barred Rock breeding; you will see buildings full of the rarest of exhibition birds, and breeders full of New York First Prize blood, grand in size and shape, great length and breadth of backs and bodies, with tails carried right; splendid heads and clear blue color, with narrow, sharp, cleancut vivid barring to the skin. You will see my wonderful matings that will produce the champion first prize winners for next winters shows. I now have on my farm five times as many first prize Madison Square Garden males as any breeder in America.

### I Will Sell You Eggs from the Finest Matings in All the World

There Is No Strain or Line That Can Win in competition with My Best Imperial "Ringlets"

Williamsport, Pa., Dec. 31, 1912.



range for growing chicks where massive frame and well muscled bodies are the object.

#### Rose and Single Comb Reds as Layers.

Q. Is there any particular difference between Rose Comb and Single Comb Rhode Island Reds as layers?

Tippecanoe, Ind.

Subscriber.

A. No. Both are fine layers and fine sitters.

#### Age of Cockerel and Pullet.

Q. (1) How old must a cockerel be to be a rooster or cock? How old must a pullet be to be a hen?

A. A cockerel is a male fowl less than one year old. A cock is a male fowl more than one year old. A pullet is a female fowl less than a year old. A hen is a female fowl more than

a year old. These are the "official" definitions. It is, however, common practice on the part of poultrymen to call a male a cockerel through the first breeding season after he is grown and then to call him a yearling until he finishes another season, when as a matter of fact he may be several months over a year old by the time his first season closes as a breeder. With pullets they are often called pullets or pullet-hens until the close of their first year of laying, though they may be eighteen months or more old before they complete their first laying year; then they are classed as yearlings. The official definitions apply in case of show specimens on exhibition.

Q. (2) What are the standard weights of Orpingtons?

Fort Lee, N. J.

J. H. B.

A. (2) Cock, 10 pounds; hen, 8 pounds; cockerel, 8½ pounds; pullet, 7 pounds.

#### Discharge from Nostrils.

Q. There is something wrong with my fowls, the nostrils become pasted over with a darkish discharge, one eye will swell up, breathing is difficult and there is rattling in the throat. The combs are red and they continue to lay. Would like to know what to do. Is there a reliable book on diseases of fowls?

Shickley, Neb.

C. M. H.

A. Fowls have ropy colds. Get some good cresol disinfectant like creolin, kreso, napereol or model disinfectant. Add one tablespoonful of this to a gallon of soft water. Use this mixture as a dip for the fowls' heads.

## M.F. & H. 200 EGG STRAINS M.F. & H.

WHITE WYANDOTTE



"LADY ROSE"  
RECORD 232 EGGS

S. C. WHITE LEGHORN



"LADY BEATRICE"  
RECORD 240 EGGS

WHITE ROCK



"LADY SHOW YOU"  
RECORD 281 EGGS

WHITE ORPINGTON



"LADY GRACE"  
RECORD 232 EGGS

THE WORLD'S BEST LAYERS

# HATCHING EGGS

From Trapnested Stock with Record of 200 Eggs or Better, 30c Each

From Trapnested Stock with Record of 144 to 199 Eggs, 20c Each

From the Same Blood Lines as Trapnested Stock, 10c Each

If you desire the best stock for egg production, it will be entirely to your interest to rely solely upon the strain, and not the breed. There are good layers and poor layers in every breed, and up to the present time the poor layers are in the majority. Our specialty is "Egg Production," and it is for this reason only that we considered "Lady Show You" worth the price we paid for her, which was \$800. We purchased other birds as well, but at no time did we purchase a bird whose best qualities were not egg production.

There are many breeders of the varieties we have, making extravagant claims concerning the egg producing qualities of their stock. There are practically none of these breeders breeding for egg production. There is but one way to breed for egg production, and that is by the continual use of the trapnest. We are now trapnesting over eight hundred birds. The only certain income that can be derived from the poultry business is eggs. You should therefore make this your objective point. There are ninety million people in this country to sell eggs to, in comparison to a mere handful who desire feathers.

We are prepared to ship your order of eggs immediately. Write for 48-page instructive catalog.

Midlothian Farms & Hatchery John G. Poorman Manager R. 5, Tinley Park, Illinois



Hold their mouths open and souse their heads well in the mixture. House in open-front houses. Repeat treatment if necessary. Feed liberally. "Poultry Diseases and Their Treatment," published by Maine Agricultural Experiment Station at 25 cents a copy is an excellent book. We can supply you with Dr. Salmon's "Diseases of Poultry," at 50 cents a copy postpaid from Book Department, American Poultry Journal, 542 South Dearborn street, Chicago, Ill.

#### Beef Scraps and Ground Bone.

Q. (1) Which do you prefer, beef scraps or ground bone for growing chicks for layers?

A. (1) Usually the beef scrap contains all the ground bone required. When it doesn't we use a good poultry-

feeding, kiln-dried, ground bone.

Q. (2) How old should a chick be to be fed ground bone or beef scrap?

Pittsburgh, Pa.

G. S. Y.

A. (2) If we are entirely certain that the beef scrap is all right we feed it from the start. Some growers do not use scrap until the chicks are ten days to two weeks old.

#### Swelling Between Toes.

Q. I keep Barred Rocks and Black Minorcas. The latter are troubled with corns and some hens are lame with swellings between the toes. The Rocks are not affected. What is the cause of these big corns?

Andover, Conn.

G. E. W.

A. From your description believe your fowls have something more serious than corns. Where practically all of

them have "corns" and foot abscesses believe that there is constitutional disease. Would get rid of that flock of Blacks and start with a new lot. Clean up and disinfect the old quarters before you put new birds in there. Don't use small perches and do not have them too high.

#### Dosing with Cantharis.

Q. A person who has made a business of poultry told me that when he wished to start his fowls laying he fed them a few doses of Cantharis with good effect. Now, I am a pharmaceutical chemist and understand the action of the drug from such standpoint, but wished to get your opinion as to advisability of feeding the drug before attempting same.

Dowagiac, Mich.

G. P. W.

## M.F. & H. 200 EGG STRAINS M.F. & H.

BARRED ROCK



"LADY VERA"  
RECORD 235 EGGS

BUFF ORPINGTON



"LADY MAY"  
RECORD 219 EGGS

R. C. R. I. RED



"LADY HATTIE"  
RECORD 255 EGGS

S. C. R. I. RED



"LADY AGNES"  
RECORD 236 EGGS

THE WORLD'S BEST LAYERS

# BABY CHICKS

From Trapnested Stock with Records of 200 Eggs or Better, 50c Each

From Trapnested Stock with Records of 144 to 199 Eggs, 35c Each

From the Same Blood Lines as Trapnested Stock, 20c Each

What applies to hatching eggs; also applies to baby chicks. The baby chick season is now at its height; and we are making prompt shipments to our customers throughout the country. You will save time by ordering direct from this advertisement, either by letter or telegram. You may telegraph us your order, and remit by mail. We will book your order received by telegram, and be prepared to make shipment upon receipt of your letter.

If you are to build up a profitable poultry business, it will never be accomplished by purchasing baby chicks from stock promiscuously bred. We are shipping repeat orders to very many of our customers. Our chicks are strong and active, and are the kind that will grow and give satisfaction. For this our customers will vouch.

If you are in need of new blood, we can not only supply your requirements, but can give you the blood lines that will greatly improve the laying qualities of your flock. A successful start, with good layers, will always result profitably. We have made this start possible for you. Kindly write for our forty-eight-page catalogue which describes the most profitable egg producing farm in the world. Please mention American Poultry Journal.

Midlothian Farms & Hatchery

John G. Poorman  
Manager

R. 5, Tinley Park, Illinois



A. We have, from time to time, noted the exploitation of Cantharis for this purpose. We do not consider that it has any practical value and believe that dosing fowls with Spanish flies is more likely to do harm than good.

#### Paralysis of Legs in Young Chicks.

Q. Will you kindly advise me what are the causes leading to apparent paralysis of the legs in young chickens, between birth and to age of three weeks?

Chicago, Ill.

N. H. M.

A. Autointoxication from putrefaction of intestinal contents or from poisoning resulting from bacterial infection. Indigestion. Improper brooding. Too heavy graining without sufficient greens. Too close confinement in ill ventilated and overheated quarters without sufficient opportunity to have outdoor exercise on open ground. Remedy, prevention and removal of cause.

#### Fish Scrap.

Q. Where can I buy fish scrap for poultry? I am located 75 miles south-east of Chicago. Do you advise use of fish scrap in preference to commercial

beef scraps?

La Porte, Ind.

E. H. M.

A. The makers of the only fish scrap we have tested are on the coast. Red Star Fish Scrap is made by the International Glue Company, Boston, Mass. The Western Tallow Co., San Francisco, Cal., make a fish meat meal, but we have not tried it. We use both fish scrap and beef scrap and have not tried substitution of the fish product for the other.

#### Wants a Breed Suited to Cape Cod Climate.

Q. I would like the name of a breed of fowl best suited to this climate (West Dennis, Barnstable County, Mass.). I want a fowl that will lay well, grow quickly, look well when dressed, lay brown eggs and I also want them heavy enough to keep in yards of not over five feet in height. I have White Leghorns now. They lay well, but the eggs are white and mine can fly for money. I have plenty of good land for them. I don't care for prize winners. I want hens for business. I don't like Rhode Island Reds. What can you recommend? Who has them?

West Dennis, Mass. C. W. Boynton.

A. Any American variety will do well in your location. Why not try Wyandottes, Plymouth Rocks, or R. I. Whites? See advertising columns for names of breeders. It ought to be easy to pick a fowl suited to your locality. Almost any brown egg fowl, bred right, would fill your requirements.

#### To Make Hens Broody.

Q. I have Rhode Islands Reds and I would like very much to know what to do to make hens get broody.

Des Moines, Ia.

G. J. M.

A. With Rhode Island Reds you ought not to have much trouble if they have been laying well all winter. Ours go broody often enough. Leave a few nest eggs in each nest and feed liberally allowing plenty of corn. We don't believe you will have a great deal of trouble getting enough broody Reds at this season.

#### Introducing a New Male.

Q. I have nine hens and one cock R. C. R. I. Reds and they have been running with a Single Comb cock. When the ten are put in a pen by themselves how long before eggs will be safe to use as all sired by the Rose Comb cock?

Whelen Springs, Ark.

O. P. I.

A. It all depends on how many hens had just started to lay their litter before you removed the S. C. male. Probably you will be safe enough in two weeks, but it is possible that you may get chicks sired by the S. C. cock within thirty days of time you banished him from the flock.

#### Rhode Island Whites.

Q. (1) What kind of fowl are the Rhode Island Whites and what breeds were crossed to produce them? Who was the originator?

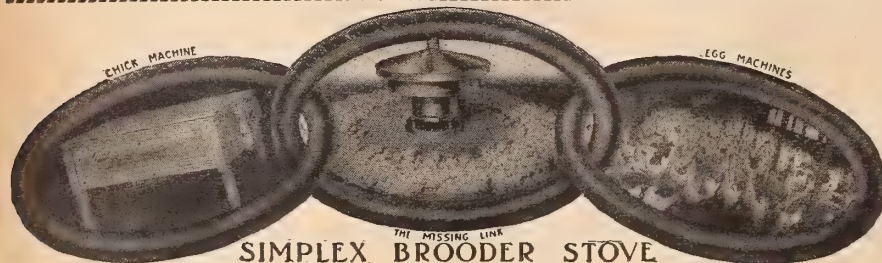
A. (1) J. Alonzo Jocoy, Towanda, Pa., is recognized as the originator of Rhode Island Whites. The first cross was White Wyandotte cockerel on Buff Cochins. The pullets from this cross were mated with a Rose Comb White Leghorn male. Out of 100 chicks from this mating there were ten pure white ones, two cockerels and eight pullets. These ten white birds from the second cross were the original Rhode Island Whites. The Whites are bred with both rose and single combs. They have very good shape that is between that of the R. I. Red and the Plymouth Rock. They are rated as excellent layers of good sized eggs. The weights given as standard by the Rhode Island White Club of America are: Cock, 8½ pounds; hen, 6½ pounds; cockerel, 7½ pounds; pullet, 5 pounds.

Q. (2) I had a hen that would not eat, had difficulty in walking with wings touching ground. Discharge from vent watery and some yellow in it. Thought she might be egg bound as she was badly swollen below the pelvic bones. Injected castor oil. She discharged a lot of watery fluid and the laying organs came out and also a piece of something like the white of a poached egg and about as large as my little finger, she died soon after passing this. Cut her open but could see nothing wrong.

Tamaqua, Pa.

C. F.

A. (2) Probably a case of broken egg and inflammation of oviduct. May have been due to injury or to some obstruction. It is seldom worth while to attempt treatment in such cases.



## White Diarrhoea No More a Scourge

If those back breaking, foul smelling, White Diarrhoea breeding hover brooders of yours are taking their usual heavy toll of the chicks you put into them you owe it to yourself to order one or more **Simplis Brooder Stoves** and not only save the chicks which are still living, but save yourself all that endless back-breaking work of caring for those little fifty-chick compartments.

If you have a building on your farm which is not less than 8x10 ft. or more than 15x30 it will be possible for you to install a **Simplex** and have it in operation within 24 hours after it arrives on your farm. No added expense to speak of. We furnish a stove complete, ready to set up and save your chicks. We will ship by ex-

press, prepaid, or make you express allowance if you live west of the Mississippi or south of the Mason-Dixon line, on day your order is received. **No Delay.** Send us the dimensions of your building with your first letter and we will tell you how to install the stove in it. \$29.50

pays for a stove complete with automatic oil regulator, oil pipes and connections and a 28-gallon galvanized oil tank.

#### Why Not Telegraph Your Order.

We will ship C.O.D. on the day your order is received. Full and complete instructions for operating go with each stove. **Just Nature and a Simplex are bound to make a profit for**

you. Don't hesitate to order. All stoves are sold on thirty days trial.

#### Why the Simplex Does Away With White Diarrhoea

With our system of ventilation, the air in the room is changed every fifteen minutes, and the carbon-dioxide which the chicks exhale in their breath is carried out of the room instantly. In the old fashioned brooding systems, which it is impossible to ventilate properly, the chicks are compelled to breath back into

their systems the poison in the shape of carbon-dioxide which nature has thrown off through their lungs and bowels. This carbon-dioxide is the only cause of bowel trouble and chicks which are kept in properly ventilated rooms are seldom afflicted with bowel trouble, and never when fed and housed correctly.

**"Successful Brooding"** is a book that really tells you something about raising percent fertile any month in the year and produce chicks that have a chance to live. Many brooding troubles begin in the egg. This valuable book sent for 50c. It will put you on the road to success. Send for our free catalogue. It tells all about White Diarrhoea. It also explains just why a **Simplex Saves 90 per cent of the labor, 75 per cent of the operating expense and brings to maturity from 20 to 50 per cent more and better chicks.** Write today for this catalogue. **IT'S FREE.**

**Simplex Brooder Stove Co., 137 Fourth Street, S. W., Grand Rapids, Michigan**

Chicago, Ill., April 9, 1913

Simplex Brooder Stove Co.,  
Grand Rapids, Michigan.

Gentlemen: Enclosed please find my check for \$29.50 in payment of brooder stove shipped me on the 7th. This is the second stove I have purchased from you this season, and of course the last one is purchased because the first one is doing the work. The stove works entirely satisfactory, and does all that you claimed it would do. **I believe you have solved the bothersome problems in brooding. THE STOVE HAS ENTIRELY ELIMINATED WHITE DIARRHOEA from which I suffered heavy losses, losing 50 percent of my hatch. The losses with the stove have been very small.**

Very truly yours,

J. C. Everett.



# Notes from the Southwest

Conducted by H. H. Stoddard, Riviera, Texas



## MECHANICAL ADVANTAGES.

**P**ROPHESIED A WHILE AGO that the horseless cultivator will be the thing in raising the great quantity of green stuff that will be fed to poultry by southwestern commercial poultry raisers.

In my teens and ever since I somehow had a fondness for prophesying. Twenty years before the machine for gathering and shredding cornstalks was invented I said it would have to come, because millions of acres of fodder going to waste begged and screamed for it.

The successful horseless cultivator overtook my prognostications not in twenty years, but in about twenty days after I mentioned the matter. There were two that turned up; considerably different in construction but both asking for no feed nor drink. Just a little oil. Not a tenth as much time for cleaning, oiling and keeping in order as the care of a team demands. See the advertisements in the recent farm papers. The earliest and imperfect horseless cultivators I do not count at all.

In a score of similar cases my pre-

dictions have been fulfilled. No great knack. Anybody can pick out something that is done by hand, or team, laboriously and to disadvantage, and then proclaim, "There ought to be a machine to do that." Reader, you try the expression in the hearing of your bright young machinist friend and see him

## Pick Up His Ears.

Later something may occur that may mean a productive power equal to that of many pairs of hands.

Prof. Summer over forty years ago, called this the "machine-ridden age." It is much more so now and will be still more so forty years hence. The machine at first operates against a small number of workers but later helps every worker, without a solitary exception, in every civilized country on the globe, for in this modern machine age human welfare knows no national or geographical boundaries.

Now, speaking of green stuff, whereas poultrymen used to regard it more as a relish than anything else, like grandfather's "raw onions cut up in vinegar," they now recognize greens as important food, real material to make eggs

of, just as a manger full of green alfalfa or freshly cut millet is material for butter fat if fed to your pet Jersey. Therefore, seeing that the fowl is more a grazing animal than a grain eater by nature, and turning to the

## Glorious Southwestland.

where instead of tropical suffocation there are refreshing sea breezes, the poultry keeper finds that succulent, juicy "living vegetable cells" can be grown in this climate to better advantage than anywhere else. But though some sorts can be sown broadcast, in other cases drills or hills are the proper caper and so either a horse cultivator or a horseless cultivator is needed and the last is bound to win. If not perfect as yet it will be made so. For one thing the operator should ride. In using either of the implements noticed above, he walks. Look here, Mr. Inventor and Manufacturer, there is not enough labor saving that way, and it won't prevail in the long run.

Another thing is needed and it's coming. A horseless and muleless seeder, that will open a furrow and drop in pulverized fertilizer and mix it with earth

# MAURICE F. DELANO

SUCCESSOR TO

## OWEN FARMS

## SALUTATORY

The most important sale ever made in the fancy poultry world has just been completed and I am now the fortunate **SOLE OWNER** of the entire **OWEN FARMS** flocks without reserve and including every mating exactly as made for 1913. On page      in this issue you will find an announcement from Mr. Owen that will give you his reasons for selling. My reasons for buying are self-evident. It is the proudest day of my life to succeed to the Owen Farms business and become owner of the flocks which I have managed during the past eight years. And I hereby pledge myself to every past customer of Owen Farms and to every present and future customer of Maurice F. Delano, that I will leave no stone unturned to give each and every one absolute satisfaction and full value for every dollar entrusted to me. It is my ambition to keep up and even enhance the reputation for absolute squareness that was so dear to Mr. Owen's heart and which brought to Owen Farms the largest trade on record in the history of the poultry business.

## Specials for This Month

I have a larger number of chicks April 10th than Owen Farms ever had on that date before, and will need to set fewer eggs in May and June than we have previously required. So have decided to give my customers full advantage of our successful season by reducing the price of eggs from all matings and not waiting for the usual June 1st.

## HALF PRICE ON EGGS

50c each. \$20.00 per 50. \$37.50 per 100. From the **BEST PENS** in existence. \$2.50 per 15. \$15.00 per 100. From **GRAND GOOD** matings.

**Buff, Black and White Orpingtons, White Rocks, White Wyandottes and Single Comb Reds**

**THIS IS YOUR OPPORTUNITY**

## SPECIAL STOCK SALE

Owen Farms listed in their 1913 mating list twenty pens each in Buff and White Orpingtons, White Rocks and White Wyandottes. I will sell five pens in each of these varieties exactly as mated for 1913. I will sell **ALL** of the matings of S. C. Reds and Black Orpingtons exactly as mated. Select from the mating list the pen you want and I will name a price for immediate delivery that you will accept, thus giving you the use of it this season. This sale will close in the first four varieties when five pens of each have been sold. The remaining sixty pens I will retain.

This **OPPORTUNITY** has **NEVER** been yours before. **REMEMBER!** these pens are exactly as we mated them for our own use.

In September I expect to issue a complete illustrated catalogue. Until then copies of Owen Farms catalogue and mating list will be gladly mailed you.

**Try the Delano way and receive Delano treatment and you will remain a permanent Delano customer.**

**Address, Maurice F. Delano** Maurice F. Delano, Prop. Frank H. Davey, Supt. **107 William St., Vineyard Haven, Mass.**



so it will not be too strong, and then, at a close following operation, drop beet seed, rape seed or whatever, cover the same with neatness and dispatch, and firm down at the last just as you do with the flat of your hoe when you plant cucumbers. Now about the

#### Fertilizer Part.

The poultry droppings under the roofless roost must be collected in a dry time. Here is one advantage of a semi-arid region, for instance, one of twenty-six and one-half inches rain annually. That is just the poultry notch exactly. A plenty for growing green stuff galore and at the same time lots of dry spells, when the poultry manure under out of door perches may be gathered and stored in a perfectly dry condition. And now again for a machine. It must be perfectly adapted to grinding the manure till it is almost as fine as bran. No gravel in it larger than what you have given the fowls, for this isn't a gravelly district. The horseless seeder should hold at least two or three bushels of fertilizer, and perhaps more, for it is supposed to be raked up carefully and not to have enough soil in it to make it heavy.

What a mighty force the poultryman will have at command. A fertilizer worth thirty dollars a ton as commercial fertilizers go, with a potency almost equal to that of Peruvian guano. How many of my readers know that several writers have independently arrived at the conclusion that the droppings of a flock of fowls carefully gathered, stored and applied for agricultural purposes are worth almost half the cost of the grain the fowls consumed? I do not know as anything more than reasonable guesses have

been made in this matter, but the Stations should take hold of the problem and work it down to statistics. Poultrymen are entitled to the figures in dollars and cents straight. Among the

#### Many Things.

the planning of a big poultry plant here involves, this problem of poultry fertilizer leads way off into wider considerations than at first appears.

Mind, the quantity of droppings needed in growing what greens the birds can eat isn't probably a tenth of what you will have, kept dry in the store house. The soil is rich, anyhow, by nature, but it is well to add a regular hot house sort of forcing to give the beets a lush growth of tops and to make the rape start up again quickly every time you cut it, which can be done over and over again. When you have used all the stimulator you need on your garden of greens, what must be done with the remaining nine-tenths or so? Sell it, would be the proper answer only just here you run against a circumstance. Truck gardeners are, ninety-nine times out of a hundred, ignorant of its great value. There are plenty of truck raisers in Texas, but a long campaign of education will be necessary before they will part with

#### Silver for Ammonia.

to any great extent. So what must be done? Why the poultryman is forced to become a grain farmer. He better not be one if he can help it, his time, capital, energy and thinking powers all being needed on his poultry, but how can he help it?

And now the question arises, what grain shall he raise? Indian corn ob-

viously, if that crop is proper to the locality. Well, it flourishes here sometimes. The predecessors of the English and the Spanish raised it, ground it by hand between two stones and lived on it here for numbered centuries. Like tobacco it originated down this way. But southwest Texas is not strictly in the corn belt as Iowa, Kansas, and six or eight other states are. But the seeds of the non-saccharine cane group are pre-eminently at home here. Always raise what is at home. You can raise oranges in Alaska, but better not do it. As there is no domestic animal pre-eminently adapted to the southwest but the fowl, so there is no

#### Food for Fowls.

that is so pre-eminently adapted for being produced here as non-saccharine cane seed. Of the three principal kinds, Milo Maize, Kaffir Corn and Egyptian wheat, the best is the last named. It can be harvested over and over again without reseeding as it springs vigorously from the stubble after being cut. Though it grows well on the rich natural prairie it yields still better under fertilization.

The horseless cultivator, also the seeder aforesaid, both in modified forms, will be used to advantage raising cane seed. When Egyptian wheat is put in, tended and harvested, to as good advantage as corn is in the loose soil district of Nebraska, where by using the lister and four row cultivator, one man can raise one hundred and fifty acres in a year; the volume of splendid nutritious grain this bountiful sun and soil will yield will astonish the world. There is no reason why the lay of the

# ALDRICH WHITE ORPINGTONS

Have proved their superior quality by winning one hundred and fifty-one prizes at all the leading shows in America during the past two years. Our customers have won in the best shows in all sections of the country, with birds purchased from us or hatched from eggs from our pens.

## THIRTY GRAND PENS

Our thirty mated pens are the best ever mated in the world, as these pens contain over 200 trap-nested prize winning females, each headed by a prize winning male at America's best shows of this and last season. Never before has such value been offered in eggs of such high quality, and at such reasonable prices.

### WHY EXPERIMENT

When you can get the very best by trusting us with your order. From May 10th to June 1st, our eggs will be \$3, \$6 and \$10 per setting of 15, and after June 1st, all eggs at half price or \$2.50, \$5, \$7.50 per setting. We will also offer a limited number of eggs from our sales stock pens at \$15 a hundred. We guarantee satisfaction to all customers. The following letters are a little evidence of the reasons of ours and our customers' success:

Irondequoit, N. Y., Dec. 1st, 1912.

Aldrich Poultry Farm, Columbus, Ohio.  
Gentlemen:—Am just back from judging the Ridgeway, Pa., Show, one of the very largest and best of the early shows, with the White Orpingtons, a leading class and found the first and second cockerels and the first pen females were all hatched from one setting of eggs bought from you last Spring. I consider this a phenomenal record and the assurance of quality and full value for your customers. We want more breeders like you. Yours very truly,  
H. P. Schwab.

138 Richton Ave., Detroit, Mich., March 24, 1913.

Aldrich Poultry Farm, Columbus, Ohio.  
Gentlemen:—I received the bird you shipped me on the 20th inst. in first class condition. He arrived here the 21st. I am extremely pleased with the selection you have made for me, the bird is more than I had dared to expect. After a recent experience from another poultryman which was entirely unsatisfactory, it pleases me greatly to know that the Aldrich people send something better and above expectations. Wishing you success, and assuring you my patronage in the future, I remain, Yours very truly, E. J. Gibb.



Send for our new catalogue with colored plates, and place your order early to insure delivery at any certain date. During May we can supply a limited number of high-class utility pens at \$20, and will include a setting of \$5 eggs. Pens of selected breeders at \$50, \$75 and \$100. Mention American Poultry Journal when writing.

**Aldrich Poultry Farm, R. F. D. 7, Columbus, Ohio**



land and quality of soil will not admit the use of the finest, most perfect machinery.

At present the non-saccharine canes are all planted and gathered here in ways so clumsy as to use up more than four times the labor necessary. Nature being so bounteous, and man so dull, the words recur:

"Every prospect pleases and only man is vile."

The harvesting part, as regards the poultryman's strong point, Egyptian wheat will very likely be met by the new perambulating threshing machines illustrated and described in a late number of *Literary Digest*. For a generation, grain has been cut and hauled to the thrasher. The new invention has a thrasher of a new sort, mounted on wheels, to be moved through the grain fields threshing the heads as they stand, winnowing and delivering the grain into bags ready to be tied up. Note the curious transposition. The stationary machine threshes the grain and afterwards by powerful currents of air winnows it and blows the straw to a stack. But the perambulating machine applies the air current at the start, to force the heads of grain within reach of the threshing teeth. The wheat straw, or stalks if cane is the crop is not gathered at all but left where it grew. In other words the air current is applied before threshing instead of afterwards.

See, according to what I have written what can be done by machinery, and will be done in this best part of Uncle Sam's whole farm, in the not distant future. Already in this great coastal plain, massive steam plows are at work. Rows of them in sight at once. Powerful fellows that rip right through the roots of bushes as big as your wrist, saving the laborious hand grubbing by gangs of Mexican peons, that was lately prevalent. The enormous fields, some of them not hundreds but thousands of acres in extent, turned over in a season, are a pledge of what machinery applied to the soil will do here, and nothing that I have said above regarding raising rape and other green stuff, and the wonderful wealth-producing Egyptian wheat, for the greatest poultry producing region mother earth has ever furnished, is at all exaggerated in forecasting.

The best farm machinery ever known, the best labor-saving poultry appliances and the best transportation facilities, in a region by nature the best, will raise and market poultry and eggs to the best advantage ever known.

\* \* \*

In an official account of the National Egg Contest for January, at Mountain Grove, Mo., we read:

Where we are keeping 28 different kinds of feed before the hens at all times, and are allowing them to help themselves, we are getting the best results. How long this will continue, we cannot say. If hens will lay as many or more eggs where the feed is kept before them, it will save a great deal of labor in feeding. This may work in winter, but we have our doubts about it in the summer. They have eaten exactly the same amount of wheat as they have of corn, 44 pounds of each. They have eaten about three times as much corn and wheat as of any other one kind of feed. Rolled oats, millet and sunflower seed come next. They have eaten but little ground food of any kind. They are drinking about the same amount of buttermilk as water.

Am very glad Mr. Quisenberry is mak-

ing this particular experiment and one which is destined to be tried a great many times, and in favor of the "all sorts before the birds always." Wish, however, that in the obvious intent to be fair the matter of supplying many sorts had not been a little bit overdone.

It is a case of standing up so straight as to lean over backwards. There is an embarrassment of riches. The birds will eat somewhere near the kinds they ought, but the fact that there are so many grades and shades of protein content will lead them sometimes to swallow something they do not need in order

to get at something they do need. The main matching up business is bound to turn on protein content and carbon content. One or two highly proteinized and one or two highly carbonized articles will enable a bird to quickly and unerringly "balance up" without getting completely satiated with nondecisive combinations while trying to balance; as often would be the case while sampling a number of sorts that are not of marked character but just betwixt and between.

I read the above to a friend who did not see why the fowls couldn't succeed



## ONLYA FARM WHITE WYANDOTTES

**High Quality Day-Old Chicks and Eggs**—From twenty carefully mated pens, which contain our many winners at such shows as Madison Square Garden, Grand Central Palace, Boston, Allentown, Augusta, Chicago, etc. Our birds having won at these shows many firsts and specials in the hottest kind of competition. Every bird shown, as well as every bird in our breeding pens, has been raised by us on our farm and banded with our seamless leg band. **Chicks, \$1, 50c and 30c each. Eggs, \$10, \$5 and \$3 per 15.** Breeding and show birds for sale. Cockerels and pullets, \$2 and up. Write for mating list.

Chas. Staaff, Manager

Florham Park, N. J.

## Tested Tried and True



## S. C. Buff Orpingtons

**Remember**—Your success or failure depends on the foundation stock. From inferior blood lines you can not produce high grade stock. The higher grade of stock you produce the better prices they will command.

**Bear in Mind**—Roseland Buff Orpingtons represent the finished product of many years of careful breeding. Our whole attention was devoted to their higher development. Just how we succeeded can be better told by our big wins at

### Chicago, Pittsburg and Cleveland

**Our 1913 Matings**—We believe some of the best Buff Orpingtons ever bred will be from our 1913 matings. Every one of our 20 or more matings will be headed by a prize winner or a bird sired by a prize winner. The same can be said of every female. Before placing your order we want you to send for our mating list. If you want winners get Roseland strain, the tested, tried and true strain of quality. **Breeding Stock for Sale.** Grand breeding birds for sale at reasonable prices.

### ROSELAND POULTRY FARM

CHAS. W. SWITZER, Proprietor

: : SOUTH EUCLID, OHIO



easily with twenty-eight sorts to choose from and so I gave him the following illustration:

You are to match sticks from a big wood pile in pairs as regards their straightness or crookedness. Pair one that is pretty straight with a crooked one and keep on doing it, and be quick about it. Now if the pile consists entirely of quite straight and decidedly crooked sticks, your task will be easy. But if the sorts shade into one another by hardly discernable grades, the matching up, domino fashion will be very imperfectly done in some cases.

Now man or fowl or any other animal, when well dosed with carbon instinctively seeks something distinctively proteinous and cannot match up well when it cannot quickly tell tother from which.

When Thoreau made up the commissary stores, for a trip in the primeval Maine woods, he put in, he said:

What if it had been lemon juice with water, in many bottles, some of it strong, and some so weak it could hardly run down hill.

Thoreau's over-greased digestive machinery calls loudly for acid, and he goes to the box and imbibes a bottleful which proves so weak as to be ineffective, but the unfortunate philosopher, being now filled up to his chin, has lost his chance.

In practice, corn and Egyptian wheat at one extreme and finely ground beef scrap and bran at the other, would be suitable and everywhere available.

But how about the green stuff? The excerpt from Prof. Quisenberry does not say. Both carbonaceous and proteinous qualities aside, I insist that, "before them all the time," there must be perfectly fresh greens. Not dirty, wilted, trampled stuff. And it must be chopped or of such a nature that it can be picked off readily, and must be of a sort they like, not such as some poultry keepers provide consisting of bitter lettuce or something else they will take to only as a last resort. And I do not warrant my prescription unless fowls are vigorous at the start, and not too closely confined or subjected to other debilitating influence.

Mr. Quisenberry, the director, says the trial "may work well in winter" but he has "doubts about it in summer." That's the very time it will shine. If heat or exhaustion from previous laying, or from moulting or anything else is unusually trying, then it is that "all sorts all the time" will operate to peculiar advantage because comprising

#### Fresh Vegetable Element.

Harvest hands under the hardest toil in the hottest weather stand to their

work well on meat with much fat in it, along with plenty of vegetables, both raw and cooked, and fresh berries which are like "lemons to correct the pork."

I expect that the flock in question will excel in the whole year's laying, and also as regards continued health and thrift; but if not shall insist that some untoward circumstance interfered, and that over and over again, by trials in all parts of the country, my position will be vindicated.

No animal can get into, and swim in, a full tide of health except under full feed. The season that all wild birds nest and incubate is when there is abundant food. Dr. Woods Hutchinson has lately insisted vigorously in a magazine article, that the creed of abstemious diet and cutting out rich foods so popular for the last twenty years is a foolish fad. He says, in substance, that more people suffer from underfeeding than from overfeeding, and that not merely plenty of food must be available if people are to be well and strong, but the food must include an abundance of the rich, highly nutritive elements. That continually curbing and restraining the appetite for hearty foods may lead after a while to inability to digest as much rich aliment as the system needs. In short he advises us to eat freely just what we crave the most.

## GREAT COLISEUM POULTRY SHOW

AT CHICAGO, ILLINOIS

Fifth Annual Exhibition--December 12, 13, 14, 15, 16, 1913

**Our Past Record**—Four of the most successful shows ever held in America. **Our Aim**—The world's greatest poultry exhibition. We have paid more premiums and put on more real down-to-the-minute features than any other show in America or abroad. We lead, others follow. If a feature is good, you will always find us first to introduce it. Nearly every act of the Coliseum show has been followed by other successful exhibitions. Look for our 1913 list; it surpasses all the rest. **No Risk, No Chances, Everything Guaranteed**—We, the undersigned stockholders, pledge ourselves, individually and collectively, to pay every premium offered by us that is won by the exhibitors: Ernest Kellerstrass, Reese V. Hicks, E. E. Richards, Frank Hare, Geo. H. Rudy, Jas. W. Bell, A. and E. Tarbox, D. M. Palmer, J. C. Dinamore, H. C. Dippel, C. S. Byers, Chas. G. Pape, A. E. Martz, Wm. A. Stolls, C. C. Coulter, Wm. A. Sibley, Theo. Hewes. Premium list Nov. 1st. Entries close Nov. 25. Your name on a card addressed to the secretary will guarantee that list will be mailed on time.

Theo. Hewes, Secretary

Indianapolis, Indiana

## YOUNG'S STRAIN S. C. WHITE LEGHORNS

(I HAVE NO OTHER BREEDS)

My strain won every prize and special offered at the world's greatest show, Madison Square Garden, New York, January, 1913. My individual winnings were: Cocks 1-3-4-5-6; hens 2-4-5-6-7; cockerels 1-2-3-6-7; pullets 1-3-5; pens 3-5; Elmhurst trophy, value \$150.00, for best display; New York State Cup, value \$50.00, for best display; New York P. & P. A. Special, value \$25.00, for best display. N. S. C. W. Leghorn Club special for best display; special for best cock; special for best male; special for best shaped male; special for best colored male; special for best headed male; special for best cockerel; special for best pullet; special for best female; diploma presented by A. P. A. for best cockerel. In fact, for the past ten years, my strain has won in every show of any note in the United States and Canada. They are the standard for all the Leghorns of America, and the greatest layers of all varieties of domestic fowl. (Remember you cannot win without my strain.) Mating list free. Address

D. W. YOUNG

MONROE, NEW YORK



### IOWANA White Orpingtons

Bred For VITALITY, PRODUCTIVENESS, QUALITY

Our hatch is completed. We will now sell Eggs for Hatching at a Reduction of 50 Per Cent—six, four and two dollars per setting of fifteen. Special Sale of Breeding Stock. Write for prices and mating list.

### IOWANA FARMS, POULTRY DEPT.

DR. BRYANT SMITH, Mgr. -- Box S -- DAVENPORT, IOWA







# S.C.W. Leghorns

THAT LAY, WEIGH AND WIN



OUR SUCCESS, whether it be for the introduction of new blood or laying a foundation for your stock, depends upon the reputation of the man behind the firm from whom you secure your stock or eggs. Believing as I do, that the majority of the people are honest, I stand ready at all times to make good, stock or eggs secured from me, any claims that my customers might present. My business at present has reached such proportions, that it is almost impossible for me to meet the demands with the seven thousand head of stock that I have on hand. It is impossible for me to describe our methods of rearing poultry in so small a space, but if you will send for my illustrated mating list, which is sent free on request, you will receive in a concise form our ideas of a down-to-date poultry plant. Or if you will send fifty cents in stamps or coin, I will send you post-paid my 64-page catalogue which explains in detail every phase of the poultry industry. This book, as is everything else bought of the E. W. Grove, Jr. Poultry Farm, guaranteed satisfactory or your money back.

Now is the time to book your orders for eggs and join the list of satisfied raisers of Grove strain of S. C. White Leghorns. All orders delivered in the order in which they are received. Yours for better poultry,

*E. W. Grove, Jr.*

Route 1  
Clayton, Missouri

It's not the brand on a horse that makes him travel, nor is it fine feathers on a hen that makes her win or lay, but their breeding.



# Current News of the Poultry World

by J. F. Shureman



A certificate of incorporation was recently filed in the county clerk's office in Buffalo, N. Y., by the International Poultry Association, Inc. The concern is capitalized at \$5,000 and was organized to encourage the breeding and exhibiting of poultry, pigeons and domestic animals of all kinds and to hold exhibitions. There are fifteen directors.

Wilford Lau, a poultry fancier of York City, Pa., has a pet White Leghorn hen that has been trained to do a number of stunts and she follows him wherever he goes. When he goes to the postoffice for his mail, the hen goes with him, and if a piece of mail matter is given to her she will carry it home in her bill. She has been trained to jump over a stick, when held several feet high, and will answer to Mr. Lau's whistle by cackling. The hen grows frantic when she hears her master approaching and always meets him at the gate.

Poultrymen of Fort Wayne, Indiana, were heavy losers in the recent flood. Among others who lost not only most of their high-class poultry, but equipment as well, were Clifford Whearley, W. M. Klinkel, Theo. Egbert, Samuel Holtzman, William Aiken, John Rising and C. A. Didier. In addition to the loss of the poultry, many lost their equipment, including many modern poultry houses.

Statistics show that the egg production in the United States increased from 450 million dozens in 1880 to 1,300 million dozens in 1900 and 1,705 million dozens in 1912. Exports have also increased, being only 86 thousand dozens in 1880, going up to 5 2-3 million dozens in 1910, 13 1/4 million dozens in 1911, and 19 million dozens last year.

Stewart Hollenbach of the Berks county (Pa.) poor farm near Shillington, has kept a careful record of the work of the mixed flock of between 300 and 400 hens kept on the farm and has decided that hereafter instead of keeping a mixed flock, he will get rid of the stock and keep Rhode Island

Reds exclusively. During 1912 the flock laid 13,930 eggs, all of which were consumed at the institution. In January of the present year they laid 919 eggs, in February 1,388, and in March 2,564. During the Easter month 234 dozens, or 244 more eggs than the hens produced, were served to the inmates. By supplanting the "scrubs" with Rhode Island Reds, Mr. Hollenbach expects to increase the egg yield considerably and make the poultry department of the institution profitable.

The special poultry and egg laboratory and experiment station that has for some time been conducted in Nashville, Tenn., by the United States government, under the direction of H. C. Pierce, was removed in April to Sedalia, Mo. A laboratory has been built for Mr. Pierce by the Commercial Club of Sedalia, and two expert assistants will be furnished him permanently by the State University and the State Poultry Association. Free transportation will be given him and his demonstration car by the railroads of Missouri and an annual allowance of \$1,500 has been appropriated by the poultry industry of the state to help him in his work. In Tennessee he has received little assistance outside of that furnished by the government.

W. H. Manning of Saratoga Springs, N. Y., has been appointed superintendent of the poultry department of the New York State Fair. Mr. Manning is proprietor of the Turtle Point Farm at Saratoga Lake and is one of the largest breeders of Leghorns in the United States.

Charles Litzel of Seville, Ohio, is originating a new variety of poultry to be known as "Red Orpingtons."

The organization of the State Poultry Association of Utah was accomplished at a meeting of representative poultrymen from different parts of the state in Salt Lake City early in April. The association will be incorporated under the laws of Utah and all raisers of poultry within the state will be in-

vited to affiliate with it. Temporary officers were elected as follows: W. L. Bramwell of Ogden, president; A. P. Stone, vice-president; Harlow R. Grow, secretary-treasurer.

Poultrymen in the vicinity of Tulare, Cal., have organized a co-operative stock company, the object of which will be to establish a system of selling eggs direct to the consumer, cutting out the expense of handling through a commission house. The membership fee is \$25.00.

In the last ten years the cattle in the United States have decreased in number 8.7 per cent, swine 7.4 per cent and sheep 14.7 per cent, while in the same period poultry has increased in number 17 per cent. The increase in the number of eggs produced was 23 per cent, and inasmuch as this is considerably more than the percentage of increase in the number of fowls, it indicates that the production per hen has been raised considerably.

A bronze monument to cost \$25,000 will be erected by the poultry fanciers of the United States and Canada to the memory of the late John L. Cost, who about twenty-five years ago established the poultry show held annually in connection with the Hagerstown Fair at Hagerstown, Md. The monument, which is to be erected in front of the new poultry exhibition building on the fair grounds, will have a large marble base which will support a life-size bust of Mr. Cost in bronze.

The Oakland Products Company of Oakland, Ore., has been sued for \$4,050 damages by C. R. Cater, who some time ago bought a tract of land from the company and claims that they have failed to keep their numerous and glowing promises. Cater bought the land with the understanding that the Oakland company promised to teach him to raise poultry, to furnish expert advice and to market his product for him, none of which promises they have kept, according to the statement of Cater. Hence the damage suit.

## EGG PRODUCERS—If you want eggs buy Fishel's White Ply. Rocks

### SWASTIKA STRAIN S. C. WHITE LEGHORNS : THE KIND THAT WIN AND LAY

If interested in S. C. White Leghorns, don't fail to write me for 1913 free catalogue and mating list. Stock and hatching eggs.

SWASTIKA POULTRY YARDS

O. E. FAXON

PLANO, ILLINOIS

## "There Is More In the Feed Than In the Breed"

Eaton's Life Saver Little Chick Food

Eaton's Growing Ration

Eaton's Climax Grain Mixture

Eaton's Perfection Mash Mixture

Eaton's High Grade Pigeon Food

Uniform in quality, dependable rations.

**EATON'S FAMOUS  
POULTRY FOODS**

For Sale by Your Dealer or  
R. D. Eaton Grain & Feed Co., Dept. J, Norwich, N. Y.

The Peerless Self Feeding Dry Food  
**HOPPER**

is an up-to-date poultry appliance, and fills the demand for a practical feeder at a modest price.

**OUR BOOKLET FREE**





# CHICK CHATS

by H. P. Schwab

Gee! But it is great to have friends.

Friendship—A friend is one who knows all about you and still loves you.

The winners at the next December and January Shows will be hatched during May and June. Late hatched chicks usually are superior in color. The parti-colored varieties particularly.

The whole continent thrills with the impulse of sympathy and helpfulness toward the people stricken by flood, tempest, fire and famine.

The Philadelphia, Pa., Poultry Association elected the following officers: President, Henry D. Riley; vice-president, R. Sweisfurth; treasurer, C. C. Kempton; secretary, Frank E. Gilbert, Mint Arcade, Philadelphia; directors, H. Ross Smith, W. B. Megargee, Thos. P. Scott, W. W. Deissler. Their next show will likely be held at usual time, December 9 to 13, 1913.

The annual meeting and banquet was well attended and enjoyable. Mr. Gilbert, the new secretary is a prominent Orpington breeder and a man well fitted for this office.

By the time these lines are read the members of the A. P. A. will have voted and elected their officers. The candidates are an unusually efficient and capable set of men, and we look for progress in poultry matters from those elected.

Baron Van Gink has left these shores, we will miss his artistic work and most likely an heiress also will be found missing.

When a woman tells you your coat is wrinkled in the back, and that she does not like your tie, go out and buy the ring.

Haldie Nicholson, Leominster, Mass., is meeting with great success in his Blue varieties of Orpingtons, Wyandottes and Leghorns. His Barred Rocks are also better than ever. In these he breeds the Cockerel line only.

In our travels we are told every day of the value of "Frenches" Poultry Mustard. This is a standard article and the sooner it is universally used, the better for the breeders.

The Dune-Alpin S. C. White Leghorns are making a great stride forward. Manager Geo. Kerr is working harder than ever before. Wonder if he thinks he can surpass his last season's record? We know he will try for it.

He—I love the good, the true, the beautiful.

She—Oh, Courtney! This is so sudden.

Barred Rock breeders, remember the club will very soon issue a catalogue. Join it now. Write Mr. Henry D.

Riley, secretary, Strafford, Pa., for particulars. Membership fee is \$1.

We have neither seen nor heard of any sectional strife among the members of the A. P. A. We believe a majority of the A. P. A. members are in the west, and that it is to hold that vote for a western candidate that such a silly cry has been sent forth.

Play fair. No personal nor sectional questions should have weight in A. P. A. matters. Let the election proceed, and let us all cheerfully abide by the result. The good of the association and the success of the industry is our only aim.

We lately spent part of a day with Mr. J. Courtney Punderford at his home and farm at Freneau, N. J. Mr. Punderford's Buff and White Leghorns are becoming as popular as Pundy himself. We go there once a year to see what Golden Buff is.

In his office and on his desk Mr. Punderford has a unique relic called the Fizz-Bell that was captured at Tarrytown and presented to him by Major-General Harcombe.

This rainy season we are having does not help the chicks or breeders any and has delayed our travels. We fear we will have to miss some of our friends in this.

Buffalo, N. Y., promises to have two shows the coming season. One in November and the other in January. This is a mistake.

O. K. Litter is becoming a general favorite with the breeders.

We had hoped to have the dates for the next M. S. Garden New York show; this, and fear notice has missed us on the road.

Frank McGrann, Lancaster, Pa., has nearly 1,000 Black Minorcas hatched, some large enough to crow. With the grand quality he has bred for years we expect to see him back in the show ring again. He owes it to the variety to exhibit. People want to see his kind.

The Newtown Producing Co., with Mr. E. E. Winchel in charge of their poultry have out thousands of chicks in their varieties of S. C. White Leghorns, Barred Rocks and S. C. Reds. Their matings are all of the quality kind and the chicks look extra good to us. Mr. Winchel is a specialist with Leghorns and Rocks and we look to him to show this excellent line at their true worth.

There is only one thing that a woman dislikes more than a jealous husband, and that is one that isn't jealous.

Hatch all the chicks you can in May

and June. The real winter winners are hatched in those months.

At our visits to the Oakland farms we met for the first time Mr. G. C. Roberts, the new manager. We wish him every success. The Oakland Leghorns and Reds have been carefully bred for many years and have given satisfaction.

We repeat. Keep them growing.

It is proposed, and we think it a capital idea, that the Barred Rock Club have a special committee appointed to work with the A. P. A. committee on revising the Barred Rock standard.

## Are They Safe?

IF THERE IS A DOUBT in your mind as to the safety of APPCO SHIPSAFES for Parcels Post or Express, read this:

Pomona, California.  
Gentlemen:  
"To test the Appco Shipsafe I sent a setting of eggs Parcels Post to New York City. It was taken up by the rural carrier in the usual manner, and arrived safe, sound and perfect. The Appco Shipsafe is safe."  
Eversley Poultry Yards,  
CORNELLE G. ROSS, Prop.



15 Egg Size.....	per dozen	\$1.20
30 Egg Size.....	"	1.90
50 Egg Size.....	"	2.50
100 Egg Size.....	"	4.00

(Lots of One Dozen.)

**SPECIAL OFFER, 10 doz. 15 egg size, \$10.00**  
Use them as you gather eggs, turning daily.

**Day-Old Chick Shipsafes.**



The safest and strongest corrugated box ever devised for shipping day-old chicks. Perfect ventilation, no crowding, light weight, low charges. Used all over the country by shippers of day-old chicks.

25 Chick Size.....	per dozen	\$1.25
50 Chick Size.....	"	1.75
100 Chick Size.....	"	2.90

**Appco Paper Hen and Brooder.**

"A Fireless Brooder With Everything But the Cluck." Waterproofed corrugated fiber. Felt lining of cover suspended in strips gives the motherly feeling to chicks. Yard and house accommodates fifty or more chicks.

Complete, Ready For Use, \$2.00

The Appco Shipsafe is accepted by all the Common Carriers and Postal Dept.

Write for "Poultry Bulletin."

**AMERICAN PAPER PRODUCTS CO.,**  
205 Bremen Ave., St. Louis, Mo.



# NONPAREIL BARRED ROCKS

Win at the Great Exposition  
Park Show, Rochester, New  
York, January, 1913

## 151 Birds Competing

Cock 1st and 3d; hen 2d; cock-  
erel 1st and 4th; pullet 2d, 3d,  
4th; pen 1st; pullet bred cocks  
1st, 2d and 4th, cockerels 2d  
and 5th; cockered bred hen 1st,  
3d, 4th and 5th; pullets 1st, 4th  
and 5th; cockerel mating pen  
1st; pullet mating pen 1st; all  
shape and color specials; asso-  
ciation silver cup for best dis-  
play; the Taylor sweepstake  
cup for best exhibit at show, etc.

## Line-Bred Since 1883

For twenty years winners at  
America's best shows. 269 first  
prizes and 63 shape and color  
specials, silver cups and medals  
won at Madison Square Gar-  
den, N. Y., Chicago, Boston,  
Philadelphia, Buffalo, Cleve-  
land, Toledo, Toronto, Roch-  
ester etc.

## Matings for 1913

Our matings are made and are  
superior in quality for both  
cockerel and pullet breeding.  
Descriptive list free for the ask-  
ing. Eggs, \$5 per 13, \$8 for  
26, \$10 for 40, \$25 for 100.

## Stock for Sale

Cocks, cockerels, hens and pul-  
lets from our best breeding  
lines. Trios and pens properly  
mated for best results. All  
correspondence and orders have  
the personal attention of H. P.  
Schwab.

**Special Sale**—Trios and pens,  
quality birds with the best of  
breeding back of them. Satis-  
faction assured. Pens of five  
birds for either cockerel or pul-  
let breeding for \$22.50. They  
will please you. Start now and  
start right. Write us your wants.

OUR BEST EFFORTS ARE AT YOUR COMMAND

**SCHWAB BROS.**  
BOX 452 :: IRONDEQUOIT, N. Y.

# Grannis Bros.

## Breeding and Exhibition Stock Baby Chicks and Eggs



Buff and White Orpingtons    White Wyandottes  
S. C. and R. C. R. I. Reds    White Leghorns  
Buff Leghorns    Indian Runner Ducks

At eight of the leading shows of the United  
States we have won

## 260 PRIZES

For the breeding season of 1913 we have mated up 35 pens of grand qual-  
ity, and in addition individual and colony pens aggregating nearly 1,000  
splendid breeders. Over 2,500 birds were available for selection, a number  
amply sufficient to insure the highest of quality.

At LaGrangeville, N. Y., we have our 160-acre farm which is admirably  
adapted for a great poultry producing plant. At Bryn Mawr Park, Yonkers,  
N. Y., is our metropolitan branch plant where we have several of our choic-  
est breeding pens of each variety, and also have on hand and for sale stock  
the finest quality. Bryn Mawr Park station is only ten miles from N. Y. City.

All our stock has been raised on free range, which with us means  
fields, woods and orchards.

## Special Prices on Fine Breeding Stock

Cocks, \$5.00 and up; Hens, \$3.50 and up; Cockerels, \$5.00 and up;  
Pullets, \$3.50 and up. Prices on exhibition stock quoted on request.

The chick crop of 1912 was much below the average, consequently the  
demand for baby chicks, eggs and stock is unusually large this season. We  
therefore recommend early placing of orders. By ordering now and making a  
small deposit customers may insure for themselves shipment on date selected  
by them.

All our baby chicks are hatched in Hall Mammoth Hot Water Incubators  
and are equal in every respect to hen hatched chicks.

Catalog, with prices of eggs, baby chicks and stock, now ready. Send for copy.

# GRANNIS BROS.

Herman W. Grannis, Manager

Route 12,    Bryn Mawr Park,    Yonkers, New York



**BREEDING WHITE ORPINGTONS.**

**T**HE RIGHT WAY to breed White Orpingtons is to get the very best foundation stock you can possibly afford to buy, from some thoroughly reliable breeder who has the blood lines and is producing the winning birds at our best shows; not the man who has one individual good bird, but the man who can produce a string of winners in males and females.

The male is certainly the most important feature, and is half the pen, but don't run away with the idea that if you have a good male and poor females you are going to breed winners, because you are not. To breed high class White Orpingtons you should select a male bird not overly large, of as pure color as possible, as I have proved beyond doubt that color comes from the male, and shape from the female; also see that your male has good eye color, with a neat comb firm at the base and straight in front, free from creases and thumb marks, and don't think because a bird has one serration too many that he is no good, as you can always remedy this by selecting females with too few serrations. Of course, if you can get a male with a perfect five point comb, so much the better, but in breeding high class Orpingtons there are other things far more important than comb. Select a male with a good, broad back, wide clear back to the tail, which should be low and wide spread, as you get your top lines from the male bird. Also get a round bone fairly short on shank, with as white leg as possible, which should be wide and stand well apart with the body of the bird equally balanced; get a good wide front, but this is more important in the female. Always remember that in the White Orpington male you get your color, head points and top lines and

tail carriage, and don't run away with the idea that you need a great big male. This is the great mistake the amateur always makes, as I have proved this times without number.

When I was manager for W. L. Horbury of Bromborough, England, I bred first and fourth cockerels, first and fifth pullets at the great Dairy Show 1910, a feat never before or since repeated, also bred the cock birds Miss Carey made such phenomenal winnings with at the Crystal Palace Birmingham Club Show and Madison Square Garden in 1911, from a cock that never weighed above 8 lbs. at his best, but was mated to large, shapely females, hens and pullets, that were all good deep keels, broad backs and good bone.

Now for the females always select large shapely females, with good full fronts, deep keel, long broad backs, with a fairly low well spread tail, also with good round bone, not too long in shank. Always avoid the heavy featured, large looking, light weight females, but select good deep bodies not too heavily feathered, that are solid and of fairly good weight; the standard weight female will make an ideal breeder. Always select females with good white hackles, as brassy necked females breed brassy males in every case, but color is more important in male than in female, only get them both white and breed them the way I have outlined and it will be only a short while before the brassy males are a thing of the past. A most important thing in White Orpingtons is not to breed them too short in body, as they will then lose their utility value, as a hen has got to have room to form her eggs and shell them out.

I have bred most varieties of poultry and bantams, but I have yet to breed the fowl that can equal the White Orpington as an all round breed; as table fowls they have no equal, as egg layers they are unsurpassed; they grow

quickly and mature rapidly, thus making them ahead as broilers, and their meat is sweet and juicy.

To any one contemplating entering the poultry business for profit and pleasure, I can from experience, thoroughly recommend the White Orpington, and remember the best is always the cheapest in the long run, as quality is always remembered long after price is forgotten.

L. Rawnsley,  
Supt. Aldrich Poultry Farm.



## WHITE INDIAN RUNNER DUCKS

Your profits are largest when you buy the best. Especially when you can buy the best at reasonable prices. Get eggs from our prize-winners at Cleveland, Pittsburgh, Hagerstown, Wheeling, etc.

**PLACE YOUR ORDER FOR BABY DUCKS  
EGGS HALF PRICE AFTER MAY 15TH**

Mating list free—write for one.

**Walnut Hill Farm, Washington, Pa.**



FIRST PRIZE S.C. BLUE ORPINGTON PEN AT LEWIS & CLARK OWNED AND BRED BY WILCOCK AND SONS, ORIGINATORS OF ALL THE ORPINGTONS, SCOTCH PLAINS, N. J.





CONDITIONING HOUSE—TWO HUNDRED BIRDS ALWAYS READY TO SHIP OUT.

The new two-story brooder and conditioning house at Keelersville, the home of the World's Greatest Strain of White Wyandottes.  
Chas. V. Keeler, Proprietor and Manager, R. F. D. No. 11, Winamac, Ind.



RUSSELL CAVE POULTRY YARDS  
LOUIS LEE HAGGIN, PROP.  
WHITE ORPINGTONS  
LEXINGTON, KY.



FIRST PRIZE S. C. RED COCKEREL BOSTON 1913  
BRED AND OWNED BY  
OLD ACRES  
FOXBORO, MASS.



## SHALL WE ESTABLISH CHAMPIONS?

Dr. Milton J. Waas.

UNDER THE STANDARD of Perfection a perfect bird should score 100, but such a score has never yet been attained by any specimen. As a matter of fact it is almost impossible to imagine a bird perfect in every detail. We certainly should approach the ideal more closely than we have and to aid in this direction all birds should be scored. It is only thus the novice can detect the faults in his birds, but in the large shows this would be an enormous task for the judges. As a compromise between the two, I would suggest that at the request of the owner of any bird or birds winning place, one to five, or any bird or birds that could score up to ninety (or make it higher if you wish) the judge should give a score card over his signature. It is easy for an expert judge of birds to tell almost at a glance whether a bird would score up to ninety or not and would require very little extra time. This would make quite a satisfactory arrangement.

In pedigreed birds I would suggest that certain noted winners, under certain conditions, be called Champions. In order to call a bird a Champion I would suggest either one of two methods:—first, that a bird to be a Champion must have scored not less than ninety points and won first place under at least two separate judges in shows with not less than 1,000 birds entered and held under the American Poultry Association rules; or, second, that a bird score not less than ninety points and have won first place under at least two separate judges and to have a credit of at least 15 units, a unit to be based as follows:—a bird scoring not less than ninety points and winning first place to be given a credit for one (1) unit in a show with not less than 300 entries and held under the American Poultry Association rules; given a credit of two (2) units for a show of at least 400 birds, or three (3) units for a show of at least 500 birds, etc., and that any bird or birds so doing may then be entitled a Champion. All birds winning a first and scored not less than ninety under at least two different judges to be registered at a fee of \$1.00 in the National Club of their respective breed, The National Club of each breed in turn to hand over a list of all recorded birds to the American Poultry Association at its National meeting each year, who would then issue a book containing the name and number of all such birds. For each bird so registered a certificate of registration would be sent to the breeder. All deaths or sale of such birds to be noted in the succeeding issues of the book. Methods can be devised to prevent faking much easier than might be imagined.

The second of the two plans outlined above is to my mind much the better, as it allows a smaller breeder to have a registered stud but at the same time it makes it difficult to breed a bird that might be claimed a Champion. This leads up to the point that men and women who would take the pains to breed and care for and register such fine specimens would be willing and careful enough to trap-nest their birds and mark every egg indelibly and accurately as taken from the nest, thus

## COLUMBIAN WYANDOTTES

Beautiful—Profitable—Great Winter Layers—Prizes at leading shows. At Baltimore, 1913, on 7 entries, won 7 prizes and 3 specials. Stock and eggs for sale. State what you want. Circular free. Please mention A. P. J. H. H. Hewitt Box 427 Williamsburg, Pennsylvania

## \$1.00 SECURES ONE HUNDRED CHICKS OR EGGS

Wyckoff-Blanchard Finest White Leghorns—Line bred twenty years for fancy points and heavy laying. 57 acre farm. 900 breeders. 5,000 chicks a month. We guarantee safe arrival of eggs and chicks and 90 per cent fertility. Catalog free. Eggs, 15 for \$1.50, 100 for \$5. Chicks, 50 for \$5.50, 100 for \$10. Cockerels, \$3 to \$10. Missouri White Leghorn Farm, Box A, Valley Park, St. Louis County, Missouri.

## Jersey Lawn White Wyandottes

I have five yards mated for the very best results in show or utility purposes. Cockerels all sold. Eggs, \$5.00 per 15. Write for mating list.

Harry Cass :- Buffalo Hart, Illinois

## BARRED ROCKS WINNERS AT MAD SQUARE GARDEN

Exhibition Females My Specialty—The sensation of the Garden was my 1st hen and 2d pullet. My wins at Philadelphia and Hagerstown are further proof that I have the shape and line barring with the richest of color.

**SPECIAL** I am now offering at reduced prices some of my breeding females and pullet bred cockerels. Write for particulars. Satisfaction assured.

C. N. MYERS : BOX A : HANOVER, PENNA.



1st Springfield Hen

Halbach's White Ply. Rocks  
"Stay White Strain"

Can you do better than start with eggs from the birds that made these unapproached records?

CHICAGO—1st, 3d cock; 1st, 2d, 3d hen; 1st, 3d, 5th cockerel; 1st, 2d pullet; 2d, 3d pen.

SPRINGFIELD—Nat. White Rock Club Meeting—1st, 2d, 3d, 5th cock; 1st, 2d, 3d, 5th hen; 1st, 2d, 3d, 7th cockerel; 4th pullet; 1st, 2d pen; grand champion bird.

DETROIT—1st, 2d, 3d cock; 1st, 2d, 5th hen; 1st, 2d, 5th cockerel; 1st, 2d pullet; 1st pen; grand champion bird.

Eggs from pens of above winners, now \$12 per 15, \$70 per 100. Utility range flock \$10 per 100. Mated pens or single birds at reduced prices. Watch for special summer sale

Catalogue 10 cents,

H. W. HALBACH - Box A - Waterford, Wis.

## SAVE THE BABIES

THE SIMPLICITY KANT-KLOG  
BABY CHICK FEEDER  
WILL SAVE YOUR BABY CHICKS

It also saves feed and time. A chick will operate it and feed itself from the time it is hatched. A baby chick needs little feed at a time and often. Our feeder does just that, besides it gives the weaker ones an equal chance.

**No Breeder Can Afford To Be Without Simplicity Kant-Klog Baby Chick Feeders.**

Sold on an absolute guarantee of satisfaction or no pay. Literature free. Order direct; you run no risk.

SIMPLEX SUPPLY HOUSE, Pontiac Bldg., Chicago, Ill.





## Single Comb White Leghorns

"THE MONEY-MAKERS"

Trap-Nested - Pedigreed - "Standard Bred" - Line Bred

Choice winnings at Springfield and Decatur, Ill., 1913, and Ill. State Fair, 1912, including six firsts, six seconds and nine specials. Illustrated catalogue free.

**I. A. ENGLE :: Latham, Illinois**

## S. C. WHITE ORPINGTONS

CANADA'S BEST. Second to none in the world. Winners at Canada's best shows, also Madison Square Garden, N. Y., 1910, 1911, 1912, 1913. Send for catalog containing cuts from life of famous winners. Eggs at half price for May. Balance of season one-quarter price. Wm. Moore, Munroe St., Hamilton, Ont. Can.

## Rhode Island Whites

A New favorite with a reason—At Chicago, Dec., 1912, in largest and best class of R. I. Rhode Island Whites ever seen, McCarthy's Peerless Strain made a clean sweep, winning 1st cock; 1st hen; 1st pullet; 1st pen; \$25 cup for best display and \$15 cup for best shape R. I. White. As every prominent breeder, both East and West, had his birds entered, it proves that the Peerless Strain is the best in the world. Send for our illustrated catalog and mating list. Carl D. McCarthy, Box Y, Kempton, Ind.

## HOUDANS

"WORTH WHILE"

The greatest utility chicken on earth. Absolute non-sitters and lay big white eggs. I guarantee winners for any show. Stock, eggs and baby chicks. Write for mating list which is free. Mention A. P. J.

**DR. G. G. BILLMAN Sullivan, Indiana**

Every customer is a friend of PAPE'S

## SINGLE COMB BLACK MINORCAS

— WE WANT FRIENDS IN EVERY TOWN —

Here's the idea — Instead of holding our stock at top notch prices, we are offering pairs, trios, pens and flocks at introductory prices; also eggs that will hatch at less than half price.

Our cockerels will improve any flock. Have won championship honors at Chicago and wherever exhibited.

Write for "Pleasure and Profit" Catalogue and state your requirements.

**CHARLES G. PAPE, Box B 74, Ft. Wayne, Ind.**

For Fifteen Years a Specialist.

## TEST YOUR EGGS

**4<sup>TH</sup> YEAR**  
**POINTS THE WAY**  
**START RIGHT**  
**YOU END RIGHT**

**SEE THAT XX?**

before you set them under hens or put them in the incubator. Whether you buy or sell eggs for hatching discard every one that does not pass the Magic Egg Tester. Don't try to hatch weak eggs—it kills the profits. Regulates moisture in the egg chamber perfectly. Demonstrated at poultry shows everywhere. This is positively the only way to tell which eggs won't hatch before you begin to incubate them at all. Read on:

**NO ELECTRICITY**

**NO CANDLING**

**NO LIGHT**

**NO EXPENSE**

to use. White or brown shells—no difference. Rapid and positive. Use for one year at our risk, and if not satisfied cost refunded. Price \$2.00 each, by mail, postpaid. Prompt attention.

**MAGIC EGG TESTER WORKS**

**Dept. B.**

**BUFFALO, N. Y. and BRIDGEBURG, CAN.**

insuring an accurate record and pedigree of every egg. What purchaser would not feel better satisfied if such conditions prevailed, and who would he be most likely to purchase from? Some such method will have to be adopted, not necessarily either of these plans, but one of similar character.

This everlasting question of which is best in-and-in breeding, line breeding, in-and-out breeding, and out-and-out breeding, etc., would, in a few years, be definitely settled by unquestionable records. After that time results would no longer be haphazard, they would be definite.

This is already being done to a certain extent for the utility breeder by the Egg Contests now being conducted in different parts of the country. It would also be a good thing to register these birds and watch their progeny for several generations. We could then find if the female that produces such a great number of eggs is capable of laying at the same time good healthy, hatchable eggs producing healthy, vigorous offspring. It would also prove whether the laying ability is transmitted to future female generations mainly by the male or female parent, which point at the present time seems to be in doubt.

As an example of the benefits that would be derived from this, we can take the case of "Lady Show You," the pullet that was the highest scoring individual in the last Missouri Egg Contest, immediately after which she was sold for \$800. Such a price could not have been obtained for the bird under any other conditions as it was only due to the unquestionable records that the phenomenal accomplishment of the bird was accepted. In the same way the value of all registered birds would be enhanced.

In conclusion I would suggest that this matter or any improvements that may be suggested on this outline in the meantime, be presented before the American Poultry Association at the next Annual Meeting and thoroughly discussed and acted upon at that time.



View of part of the colony houses on the farm of N. V. Fogg, Mt. Sterling, Ky., where he keeps his Single Comb White Leghorns.



# For the Registration of the Anconas

Steps Taken by Canadian Mottled Ancona Club  
That Will Prove Interesting

By A. H. Hall

THE CANADIAN MOTTLED Ancona Club have recently adopted certain conditions of registration which may prove of interest to fanciers generally. They have also a carefully revised Standard of Perfection, by which all birds of this variety are judged. This standard is based upon the American Standard of Perfection, with simply a definite outline, showing the judge exactly how the bird must be scored together with the fact that he is responsible to the club for his judgment and that if in a comparison show or otherwise where there is close competition he must judge the birds as if a score card was actually used. Should a recognized judge score any bird different from the Standard he must answer to the club for his action, and if they see fit they can suspend or disqualify him as a judge of Anconas.

Every member of this club is also responsible for his dealings with all other members. The club is prepared to register all birds, whether American or Canadian bred, whether shown at an American or Canadian show, providing the judge, judging the birds is recognized as a Canadian Mottled Ancona judge, it matters not whether he is a Canadian or an

American, if he is a member of our club in good standing and prepared to conform to the conditions of the club. If he is not a member, we have no control over him and consequently cannot be responsible for his actions, and will not accept his judgments as being valid for registration.

We will be pleased to see any of our American brethren come into our association, and will guarantee them the assistance and co-operation which we as members enjoy. We do not ask you, gentlemen, to accept our judges, but ask your own men to qualify. All we want is that in each and every case the best birds win, regardless of who is the owner, and that in breeding we know when we go to the show room it is not some man's fad or fancy that wins, but absolutely desirable points that count.

Conditions for the registration of Anconas in our club are as follows.

First. That a bird, in order to be eligible for registration, must have won at least three prizes, at any of the recognized poultry shows, in a competition of at least three birds.

Second. That the person so wishing to register these birds must become a member of the Canadian Mottled Ancona

## S. C. W. LEGHORN EGGS AND CHICKS

That will develop into exhibition birds and heavy layers. Our Baby Chicks are the kind that live. I guarantee safe arrival of eggs and chicks. Write me.

N. V. FOGG :: BOX R :: MT. STERLING, KY.



## Duston's White Wyandottes

Always in demand because they win and breed winners, besides unequaled as layers. Have already sold winners for next season. I want to quote YOU now, to win that fall or winter show. If you want to win, just give a chance to the breeder that has made possible the "world's best flocks." It's not too late to hatch winners for winter.

Elegant pens \$10 per set, two sets \$18, three sets \$25, or \$50 in 100 lots. I'll be glad to send my mating list, free, or one of the richest catalogs published for 15 cents in stamps.

Arthur G. Duston, Box 1020, So. Framingham, Mass.

## COCHIN BANTAMS



Black : Buff : Partridge : White

Our strain of Cochin Bantams have won the leading honors at America's Greatest Shows for years; and during the past fall and winter our birds won 91 firsts out of a possible 109 at Chicago, Indianapolis, Louisville, Indiana, Tennessee and Tri-State Fairs.

Write for our beautiful 1913 Mating List, describing the 25 MOST WONDERFUL PENS EVER MATED. Remember that this is the HOME of

America's Best Cochin Bantams

And these Little WONDERS are busy PRODUCING EGGS

Wahebe Bantam Yards, Box 13B, Evanston Station, Cincinnati, Ohio

W. BESUDEN, Proprietor

(ADVERTISEMENT.)

EASY CHICKEN MONEY—Double the weight of your frying chicks in 14 days. No stuffing; just cheap feed you all have; it's all in "knowin' how" to prepare it. For free information about this wonderful discovery, write F. A. Thelen, Kewanee, Ill.

## Orr's Chick Feed

The very best Chick Feed now on the market. Aids in preventing white diarrhoea; clean, sweet and safe; will not get sour or musty. Send for circular and price list.

D. Lincoln Orr : Orr's Mills, N. Y.

## DAY-OLD CHICKS

Healthy, vigorous, from heavy laying stock. Guaranteed satisfactory. Place orders NOW.

Hatching Eggs Breeding Stock

S. C. W. Leghorns, White and Barred Rocks. All eggs and stock GUARANTEED. Write for big new catalog: "Tywacana Quality." It gives much information of value to poultrymen. It's FREE.

Tywacana Farms Poultry Co. A. E. Wright, Supt.

Box 53 Farmingdale, Long Island, N. Y.



## Darling's Beef Scraps Are Best

Our book will tell you why. Write for it.

Darling & Company

Dept. 2, Union Stock Yards, Chicago



Roup  
Cholera  
Bowel  
Complaint

Safeguard your fowls by using

## GERMOZONE

The few cents it will cost you to put Germozone in the drinking water **twice a week** will be repaid many times over in good, vigorous, healthy fowls, better able to withstand the ravages of disease. Germozone is the greatest of all poultry medicines for diseases that occur oftenest.

Liquid or Tablets, Price 50c

## Lee's Lice Killer

Quick and deadly. Kills lice both by contact and by fumes, but entirely harmless to fowls. No handling necessary. Paint or spray roosts and walls. Surest, safest and quickest of all lice killers.

Quart.  
35c  
1/2 gal.  
60c  
Gallon  
\$1



3 Good Books Free to You

Incubator Catalog; Lee's Poultry Book and "Mandy's Poultry School." Write for them. Geo. H. Lee Co., 1101 Harney St., Omaha, Neb.



## A Great Reduction

After May 10th, in  
Price of Eggs

from our winning matings: \$15 Eggs, \$10, \$10 Eggs, \$7, \$5 Eggs, \$3. Write for mating list.

H. W. ALT, 87 Fuller St., Buffalo, N. Y.

## HOW TO SHIP THEM

You will make more money after you learn about our wooden shipping devices—returnable.

Farmers' Modern Egg Crates for fresh egg delivery to individual trade, and for recording, turning and storing eggs.

Loc Krates, for hotel and restaurant trade.

### BABY CHICKS

Ship them absolutely safe in our Star-Chic-Box—a real fireless brooder.

Free Catalogue of our complete line of safety-economy packages, including parcel post.

Star Egg Carrier & Tray Mfg. Co.

100 Dallas St., Rochester, New York

## THE CYCLE

### Hatches in NATURE'S Way

Because it follows natural principles. These points found in the Cycle will appeal to you—they are vital to success. First: The heated air is applied on top of the eggs only, as under the hen. Second: No direct air passes through the hatcher to carry off the natural moisture in the egg. Third: Being circular with the lamp in the center, the radiation is equal throughout the machine. Fourth: The heat is brought close to the eggs with no waste of heated air space. Fifth: The eggs are turned and cooled similar to nature's way. Study the hen and investigate the Cycle. It will pay you.

CYCLE HATCHERS, - \$6.00  
BROODER-HATCHERS, \$8.00

Send for our catalogue, "Poultry Profits." It will show you new possibilities in poultry-keeping.

Cycle Hatcher Co., Elmira, N. Y.

#### BRANCHES:

Chicago, Ill. Houston, Tex. Des Moines, Ia.  
Denver, Colo. Jacksonville, Fla. Lake Preston, S. D.  
Oakland, Cal. Atlanta, Ga. Aulander, N. C.

## Feeder and Exerciser

HANG IT  
ANYWHERE

Rain, Rat and Sparrow proof. Feeds any kind of grain or mixed grain. No waste—the hen gets what she wants, and no more.

Made of heavy No. 26 gage galvanized iron, and will last for years. Endorsed by all users as the most practical feeder on the market.

Get our book describing 36 different articles we make for the busy poultry man.

Peck size \$1.25  
Half bushel 1.75  
Bushel size 2.00

Wendell Incubator Co.  
51 Main St., - Holly, Michigan



Club before his birds will be registered.

Third. Young birds hatched after May 1, 1913, bred from a registered male and female, will require to win at least one first, shown before a recognized Canadian Ancona Club judge, in the competition of at least six birds, and each succeeding generation will require to be exhibited in the competition of at least ten birds and win a first before a recognized Ancona Club judge, before they will be eligible for registration. Said registrations to exist for at least five years before and birds can be registered without having won a first prize.

Fourth. In the case of the registrar having any doubts as to the merits of any bird, as to whether he considers the bird eligible for registration, he can request the member applying for such registration to forward his bird to a recognized Ancona Club judge, who will judge the bird with a score card and forward the score card to the registrar, with a written report thereon, for which he will charge a fee of fifty cents, which expense will be borne by the owner of the bird, and the bird must score at least eighty

points, according to the Canadian Mottled Ancona Club Standard of Perfection.

Fifth. A blank form of application for registration shall be furnished by the registrar, upon application, which must be carefully filled in and sworn to before a justice of the peace, and only one bird entered on each blank form of application.

Sixth. Upon returning the application, duly filled in, together with a fee of one dollar per bird, the registrar will register the bird with a name and number, in a book kept for this purpose, and furnish the owner of said bird with a certificate to the effect that his bird is duly registered.

Seventh. Any person having birds so registered, upon the death or sale of any so registered bird, must notify the registrar of such death or sale within fifteen days from the occurrence, and shall be under a penalty to the club of twenty-five cents per day for every day he neglects or omits to report such death or sale after the fifteenth day, or a cancellation of all his registered birds, together with disqualification as a member

## FISKE'S WHITE LEGHORNS

Were the talk of Madison Square Garden where they won 2d, 7th and 8th on cocks; 3d and 8th on hens; 4th, 5th and 8th on cockerels; 2d, 4th, 6th and 7th on pullets and 1st and 4th on pens; our first pen winning over the first Madison Square Garden pen of last year and the first pen at the New York Palace Show this year. A few males for sale, send for mating list. Mention American Poultry Journal when writing.

Skylands Farm, Harlo J. Fiske, Mgr., Sterlington, N. Y.

### GRIMM'S CONVERTABLE BROODERS

The roomiest steel brooder made. The wood bottoms are chemically treated which makes them immune from lice, mites, and rats will not gnaw them. Vermin proof. Write for our circulars and read what many satisfied users say. \$1.85 without yard, \$2.50 with yard, Hovers 60 cents. Heaters \$1.50 complete (top heat) Makes a safe place for the setting hen.



10 square feet of floor space in brooder and yard. Size of brooder 2 1/2 feet long, 2 feet wide and 18 inches high. Yard same size. They are built for continuous service, are light weight, dry, strong, large, well ventilated, easily cleaned and kept clean. Saves time, saves money, saves troubles and saves the chicks.

G. F. GRIMM MANUFACTURING CO.  
517 West Main Street Atchison, Kansas

## Only Live Chicks Count

It is not the number of chicks hatched, but the number raised, that makes a poultry farm profitable. Chicks trampled to death or smothered in the brooding represent loss.

## International SANITARY HOVER



The only hover that is warmer near the curtain than at the center. This, by causing the chicks to distribute themselves near the edge of the curtain, prevents crowding and assures plenty of fresh air.

The Sanitary Hover can be picked up and carried around with ease and used anywhere. No carpenter work is required to set it up. It is fireproof, unbreakable, absolutely reliable.

More sales are being made of Sanitary Hovers than of any other two makes combined. Sixty per cent. of the Sanitary Hovers sold are replacing other brooding devices. If you are going to raise chicks this spring, you owe to them to investigate the results achieved with the Sanitary Hover.

Indorsed by Kellerstrass, Owen Farms, Wm. Cook & Sons, and America's leading poultrymen generally. The concerns named are breeders of the highest priced birds in the country. Every chick entrusted to a hover by them represents from \$10 to \$100 in value. They use the Sanitary Hover because they know it can be depended on.

Write for booklet containing a full description of the one perfect brooding device—the Sanitary Hover.

INTERNATIONAL POULTRY SALES CO.,  
Box 511, Brown's Mills, N. J.



of the Canadian Mottled Ancona Club for a period of at least five years.

This article seven shall also apply to any member who through fraudulent practice or misrepresentation has any birds registered or endeavors to have any bird registered.

The club's form for registration follows:

Application form for registration.

I, the undersigned, agree to conform to all the rules pertaining to the registration of Anconas, as set forth by the C. M. A. C.

My bird was shown at the following shows, and won first prize:

Name of bird.....

Where shown.....

Date.....

Name of judge.....

Cock.....

Hen.....

Cockerel.....

Pullet.....

No. of birds in class.....

Purchased bred.....

From whom purchased.....

Date of purchase.....

This is to certify that I, the applicant for the registration of the bird named.....

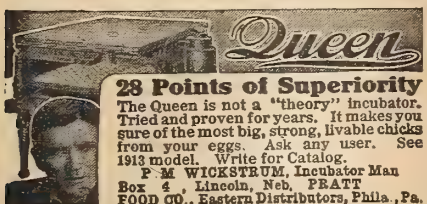
Solemnly swear that the above answers to each of the questions in the above schedule are true, to the best of my knowledge and belief.

Signature of applicant for registration.

Sworn before me at.....

Province of.....

This.....day of.....191.....



**Queen**

**28 Points of Superiority**

The Queen is not a "theory" incubator. Tried and proven for years. It makes you sure of the most big, strong, livable chicks from your eggs. Ask any user. See 1913 model. Write for Catalog.

P. M. WICKSTROM, Incubator Man  
Box 4, Lincoln, Neb., FRATT  
FOOD CO., Eastern Distributors, Phila., Pa.

## Rosemont Farm Single Comb Brown Leghorns

Originators of the "Queen of Missouri" strain, which has a prize-winning supremacy that is undisputed. Stock and Eggs. Mating list free.

ROSEMONT FARM, ELMER V. SHULTZ, PROP. BOX 500, WEBSTER GROVES, MO.

## Riley's ROSE COMB REDS

WIN ALL SPECIALS for best display at Buffalo and Rochester. All eggs except Utility at half price balance of season

C. E. RILEY 431 FARGO STREET BUFFALO, N. Y.

## BLACK LANGSHANS and INDIAN RUNNER DUCKS

Brookfield Farm birds are Maryland's beauty and quality strain. Have been winning regularly at Baltimore, Allentown, Hanover, Hagerstown, and have proven their worth as well for practical purposes. **Black Langshans**—Have won first cockerel at Hagerstown two years. Eggs from my best pens \$5 per 15—Utility \$2 per 15. **Indian Runner Ducks**—Have made a sweeping record with these in the best of classes. Eggs from my best pens \$5 per 11. Utility \$2. Selected breeding cockerels a specialty. Satisfaction assured. Prices right. Mention American Poultry Journal when writing. Address

MRS. F. LITTLEFIELD : Box A : Middleburg, Md.

## I Save 50% for All Poultry Men and I Am Busy Night and Day Filling Orders

Here is a Hoover that is a marvel. It is sanitary—perfectly ventilated by our new Buffalo method—heats easily—uses little oil and the flame can be seen without stooping. You must send your order quick. This Hoover has set poultry raisers wild and we will very soon be over sold. Descriptive booklet on request.



Buffalo Handy Hoover—100 Chick Capacity

Buffalo \$8 Buffalo \$7  
Randy Hoover Home Hoover

My Real Incubator Bargains—Note My Low Prices  
Offer No. 0—50 to 80 Egg Size, Ship. Wt. 65 lbs. \$10.50  
Offer No. 1—110 to 120 Egg Size, Ship. Wt. 90 lbs. 14.50  
Offer No. 2—220 to 240 Egg Size, Ship. Wt. 130 lbs. 19.00  
Offer No. 3—340 to 360 Egg Size, Ship. Wt. 180 lbs. 24.00

CHAS. A. CYPHERS,

President Buffalo Incubator Co., Buffalo, N. Y.

## Too Thorough.

"How does it happen that you are five minutes late at school this morning?" the teacher asked, severely.

"Please, ma'am," said William, "I must have overwashed myself."

## Why He Made Good.

The new minister in a Georgia church was delivering his first sermon. The dark janitor was a critical listener from a rear pew. The minister's sermon was eloquent and his prayers seemed to cover the whole category of man's wants.

After the services one of the deacons asked the old darky what he thought of the new minister. "Don't you think he offers up a good prayer, Joe?"

"Ah mos' suhtainly does, boss. Why, dat man axed de Lord fo' things dat de odder preacher didn't even know de Lord had!"

The Christian Herald.

## On the Quiet.

"See here, you old rascal, why didn't you tell me this horse was lame before I bought him?"

"Wal, the feller that sold him to me didn't say nothin' about it, so I thought it was a secret."

Life.

## ROSE COMB Black Minorca

Eggs that will produce great layers and winners, \$1.50, \$3.00 and \$5.00 per 15. Send for Mating List—it is free.

FRED H. MEYER 2607-09 South Broadway, Fort Wayne, Ind.



**125 Egg Incubator and Brooder** BOTH FOR \$10  
If ordered together.

Freight paid east of Rockies. Hot water, copper tanks, double walls, double glass doors. Free catalog describes them. Send for it today.

Wlaconsin Incubator Co., Racine, Wis. Box 50

## TOBACCO STEMS is the Cheapest Nesting Material



**Cheaper than Buying lice exterminator later**—prevents lice and keeps away all vermin from pigeons, chickens, cattle, horses, and all sorts of plants and shrubs.

**We Supply in Short Lengths**—just right for nesting—or long lengths for other purposes.

**Pigeons Like It**—chickens like it. And once you've used it, you'll never be without it. Costs little, saves a lot of birds—and a lot of trouble.

In 100 to 150 lb. bales, 90c per hundred. By the ton, \$16.

## Tobacco Dust Too

**Do You Know** that 90 per cent of all "lice powders" and insecticide are made of tobacco dust? Difference is, we sell it under its right name and at the price it is worth, instead of charging you a fancy price for a fancy name.

**Use Same** as any insect powder, it never fails.

Price in 50 lb. packages or more, 10c a pound.

## Sam Goldberg

222 Forest Ave., East, Detroit, Mich.

## Get Rid Of The Flies



### They Spread Deadly Disease

It is a scientific fact that flies carry deadly disease germs and are directly responsible for many Typhoid Fever, Cholera Infantum and other intestinal diseases than any other cause. Join the anti-fly crusade. Start today. Get a "PERFECT" Fly Trap

and begin the war of extermination. This big trap will hold a peck of flies. Rids the house of flies quicker than anything else.

**Feed the Flies to Your Poultry**

Dead flies are the finest kind of poultry feed. Fact! With this big trap you'll get bushels of 'em. It is 20 in. high; 12½ in. diam. at bottom; 9 in. diam. at top. Made of quality galvanized wire screening, rust proof, practically indestructible. Price, \$1.50. If your dealer can't supply you send to us. Ask your Postmaster for Parcels Post rate from St. Louis to your town and include with remittance. Packed in carton; weight 7 lbs.

LUDLOW-SAYLOR WIRE COMPANY, 684 S. Newstead Ave., St. Louis, Mo.

## POULTRY SUCCESS IS YOURS

if you feed your chickens right.

## POULTRY FOODS and FEEDING

By D. F. LAURIE

Tells you in plain language what kinds of food to use, how to mix it and how to feed it for the best results in either egg or flesh production. Thirty-five years of experience of the greatest living poultry expert, and the results of experiments which cost thousands of dollars are yours. Help yourself to success by getting this book now.

Pin a dollar bill and five two-cent stamps to this ad and mail. Your copy will be sent at once.

## CASSELL & COMPANY

43-45 E. Nineteenth Street NEW YORK



Price \$10 and up

Reduce your feed bills; feed fresher balanced rations; save ½ the labor of mixing feeds—made possible only by using an Afton Farm Feed Mixer. It thoroughly blends dry and wet mash. Metal throughout. Write today for illustrated descriptive folder, tells how to save money by using an Afton Farm Mixer. Yardley Mfg. Co., Box D-51, Yardley, Penn.



# Poultry Books

## AT A CUT PRICE

A complete list of poultry books that everybody interested in poultry should have. This list is made up with the idea of supplying the wants of all poultrymen, and covers about every phase of the industry; in fact, this list of books make almost a complete poultry library, and by taking them all at a cut price you will be well equipped to make a success of this business. The books in this list tell you how to line breed, how to feed for egg production, how to reduce your feed bill, how to mate to produce exhibition birds, how to prevent and cure diseases, how to mix a balanced ration, how to build poultry houses, poultry appliances, etc. Following is the list:

### DR. PRINCE T. WOODS' NEW BOOK HOW TO RAISE CHICKS

128 PAGES—35 ILLUSTRATIONS

A down-to-date manual on breeding poultry. Tells in plain language how to select and mate breeding stock, what to feed and how to feed it, how to care for and manage breeding stock, how to select eggs for hatching and how to care for them before and during incubation, how to get good hatches with incubators, how to raise chicks with hens and brooders, how to prepare home-made chick foods, how to build brood and colony coops. It also gives facts about White Diarrhoea, including prevention and treatment, and much other valuable information that cannot be obtained elsewhere. **Price 75 cents.**

### OPEN-AIR POULTRY HOUSES FOR ALL CLIMATES

By Prince T. Woods, America's Leading Authority on Practical Poultry Keeping

The best house book ever published. Be sure to read it before you build or make alterations in your poultry houses. 88 pages and 46 illustrations. Tells how to build the kind of houses that the most successful breeders all over the country are building and recommending. The "Fresh-Air House" has come to stay and you will want to build one. It means better fowls, freedom from disease in the flocks, better egg yield, better fertility, better chicks. **No matter where you live, if you keep poultry you need this book. This book gives full plans and specifications. Price 75 cents.**

### Origin and History of All Breeds of Poultry

This book gives a complete history and the origin of all the recognized varieties of chickens, ducks, geese and turkeys, and is illustrated with 198 colored pictures of fowls painted from life, something never before attempted by any publisher. This is, without question, the greatest book ever published on poultry. The artist's work alone on this book took almost one year's time to complete, but it shows the fowls in their natural colors and correct shape, and these colored pictures, together with the history of each variety, gives the fancier all the information to produce fowls for either exhibition or breeding.

**How to Mate**—This book also tells how to properly mate the different varieties of fowls to produce birds that will conform to standard requirements. This is something that even the Standard of Perfection does not do. It tells you at a glance what it will take years of practical experience to learn. It is a book that no breeder or fancier can afford to be without, as it is just as suitable for the needs of the experienced fancier as for the amateur. **Price \$1.00.**

### Successful Poultry Culture

Contains 128 pages and is a practical treatise on everything you want to know about the poultry business. It tells you his method of **saving three-fourths the feed bill**, and many other valuable pointers which will save you many times the price of the book.

Space will not permit a detailed description of the entire book, but the following will give you an excellent idea as to its great value. Besides 30 illustrations of standard bred poultry and poultry houses, it contains chapters on the following subjects: The Way to Succeed; Some Interesting Poultry Statistics; The Pleasure of Poultry Culture; Advice to Beginners; Poultry and Pin Money for Women; Boys and Poultry Culture; Poultry on the Farm; How to Succeed on a Small City Lot; How to Succeed with a Large Market Plant; How to Get Eggs in Winter; How to Feed Young Chickens; Success with Incubators; Success with Brooders; How to Cure Diseases; How to Build Poultry Houses; Plans for Model

Poultry Houses; Profits in Poultry Culture; Scientific Feeding. **Regular price \$1.00.**

### Diseases of Poultry

By D. E. Salmon, D. V. M., Chief of the United States Bureau of Animal Industry. Every poultryman should have this book in their poultry library. It contains 250 pages, and every disease to which fowls are subject is treated in a most thorough manner. The cause, symptoms and cure of each disease is put before the reader in such a manner as to be understood at a glance. With this book in hand you can be your own poultry doctor. Better order one now and not wait until your fowls become ill. **Regular price 50 cents.**

### "Why Poultry Pays and How to Make It Pay"

A book for the beginner in poultry raising and for those engaged in it who are interested in deriving from the business the greatest profit. The book tells you how to start right, how to succeed with poultry, how to line breed, how to win at the shows, how to breed and prepare fowls for market, how to feed for the production of eggs, contains a chapter on poultry diseases and simple remedies for same. Gives instructions on incubators and brooders, much other valuable information and is profusely illustrated with ideal drawings of standard fowls. **Price 50c.**

### "How to Build Poultry Houses"

A book devoted to the construction of poultry houses and fixtures, gives plans and specifications for building all kinds of poultry houses, brood coops, nest boxes, dust boxes, shipping coops, etc. It will save money by telling just the kind of house desired for the different localities and the size best suited for the various sized flocks. **Regular price 50c.**

### American Poultry Journal Hand Book

Contains valuable recipes and trade secrets, feed, care and management in health and disease. Pocket size, **15 cents.**

**Total \$5.15---Cut Price for the Eight Books, Prepaid, \$3.40**

This is a saving to you of one-third from the regular price. Better order now before the price is advanced. If you want only a few of these books send in full price, as no reduction is allowed from the list price unless all eight books are ordered. You need all of them. You can also get any 50-cent book and a full year's subscription to American Poultry Journal for \$1.25, a 75-cent book and a full year's subscription to American Poultry Journal for \$1.40, or a \$1.00 book and a full year's subscription to American Poultry Journal for \$1.50.

**AMERICAN POULTRY JOURNAL PUB. CO.**  
**542 SOUTH DEARBORN STREET, CHICAGO, ILLINOIS**



**Imperial Golden Buff Rocks**  
Write for full information of our winnings at America's greatest shows, Madison Square Garden and Boston. Our prices are no more than you pay others that haven't won. **Nescopeck Poultry Farm, S. H. Harter, Prop., Box A, Nescopeck, Pa.**

### S. C. WHITE ORPINGTONS

Win wherever shown in competition with the largest breeders in the country. I won 83 prizes in 5 shows. Eggs \$3 up. Stock reasonable. **Park Poultry Yards Mrs. Reg. Stonestreet, Glendale, Nashville, Tenn.**

### SILVER WYANDOTTES

Winners at Chicago, St. Louis, Springfield and Kansas City, are in my pens. Eggs \$3 up. Stock reasonable. Write today. **August W. Schroeder, R. 1, St. Peter, Minn.**

### McCLAVE'S LINWOOD POULTRY FARM

The home of high class prize-winning Rocks, Wyandottes, Orpingtons, Leghorns, Turkeys, Ducks and Geese. Highest quality at reasonable prices. Write **Chas. McClave, Box A, New London, Ohio**

### "IF CHICKEN CHOWDER

"I won't make your hens lay, they must be roosters." Full particulars and 48-page Poultry Book free for the asking. **Purina Mills, 801 S. 8th St., St. Louis, Missouri.**

### Dr. Hess Poultry Pan-a-ce-a

Makes hens lay more eggs by strengthening digestive organs—helps chicks grow quickly—cures poultry ailments. A penny's worth feeds 30 fowl per day. Free Poultry Book for 2c stamp.

**DR. HESS & CLARK, Ashland, Ohio**

## BARRED ROCKS OF THE BETTER QUALITY

### EGGS : EGGS

Wherever our birds are shown they win—The Great Allentown Fair, Trenton Inter-State Fair, Williamsport and Philadelphia. Our eggs for hatching are of the highest standard and fertility.

### Our Mating List Is Now Ready

Eggs \$2.00 to \$5.00 for Our Best Matings

Choice high class breeding stock for sale. Cockerels \$5.00 up. Pullets \$3 up. Perfect in shape, color, and bred from winners. Buy from the farm that gives absolute satisfaction. Mention this paper when writing.

### EASTERN IDEAL FARM

**CHAS. F. ROSENOW, MANAGER**  
**NORRISTOWN : PENNSYLVANIA**

### Summer Poultry Exposition at Atlantic City, N. J.

THE April issue of The Poultry Item, announces the Second International Poultry Exposition on the Million Dollar Pier, Atlantic City, N. J., starting on July 4th and continuing until September 1st. The poultry world will no doubt be glad to have this information as the Exposition is primarily designed to create a wider interest in the poultry business. At no place on this continent are the opportunities as great to interest new people in the poultry business as at this well-known resort, where more people will view the exhibits than the combined attendance of all the poultry shows of the country.

That the general public does take an interest in poultry was proven at last year's event. Fowls shown in their natural conditions, down on the ground, in a pen containing 50 square feet, attractively decorated, attract and hold attention much better than a bird caged in a small coop. Last year's exhibits also proved that birds can be gotten in show condition and kept in perfect health in the summer months. The best recommendation the Exposition offers is the fact that those who showed last summer will be back this season, some of the exhibitors having already reserved double the space used last year. The country's leading breeders will take space to help stimulate interest among people who have never had an opportunity to see and learn of the magnitude of the poultry industry.

The strength of this year's Exposition will be its publicity features. The first object of the Exposition is to demonstrate that birds can be successfully shown in the summer time. The greater purpose, however, is to keep and maintain the enthusiasm of breeders and patrons, whose interest suffers a serious relapse during the summer months, over a longer period. While it is acknowledged that the millions of people who visit the pier are there largely for health and recreation, yet the business sense of the average American never is absolutely at rest, but simply lies dormant for the time being. Poultry has an attraction that appeals instantly to lovers of bird life. It stands to reason that a certain proportion of the visitors to the Pier, as many as 40,000 a day, will really become interested and get their first inspiration at this Exposition.

The Poultry Item believes in helping along a great industry and offers this feature as one way to promote it. It invites all others who see greater possibilities in the poultry business to co-operate and help boost in a legitimate way a great industry. Many new people will catch the "chicken fever" at the Million Dollar Pier and those who exhibit will have first call on their patronage. A prospectus giving full details will be mailed to anyone interested. The cost of exhibiting is nominal, sufficient only to pay cost of space, construction of pens, care, feed, etc. The exposition will be under the direct management of Charles T. Cornman, the editor of The Poultry Item.

Reese V. Hicks, president A. P. A.; S. T. Campbell, secretary; U. R. Fishel, J. C. Punderford, Lester Tompkins, E. B. Thompson, S. B. Twining and many other breeders who personally viewed the exposition last summer, endorsed it in unqualified terms.

## FOR THE VERY BEST

IN COLUMBIAN AND SILVER WYANDOTTES, ADDRESS

**J. F. VAN ALSTYNE, NIVERVILLE, NEW YORK**

**WHITING'S WHITE DIARRHOEA REMEDY**  
Guaranteed to cure and prevent White Diarrhoea in Baby Chicks, and make them grow bigger, stronger, quicker. A 50c bottle for 150 chicks. Order or write for free printed matter.

**O. K. Sales Co., Dept. 1, 151 Water St., New York City**

## GOLDEN BUFF ROCKS

The most consistent winners and best producing strains in the world. Write your wants.

**John Bawden, Box 20, Ridgetown, Ontario, Canada**

## WHITE ROCKS

Bred for exhibition for 10 years. If you want the best, write

**Koons Farm, Treichlers, Pa.**

## MAY AND JUNE

Are considered the best months for hatching your winter show birds. Back this up with egg-producing ability from certified layers. Hatching eggs from

### S. C. BUFF ORPINGTONS

that have won Government approval to their records or two years. Half price after June 10th.

**O. WILSON (J) CARLISLE, W. VA.**



Has solved the problem of feeding young chicks. Gives them clean food and insures their

health. Top removes. Length 10 inches. If your dealer does not carry them, we will mail you one for 35c in stamps. Send for our catalog of sanitary supplies.

**ATSATT BROS., 27 Pearl St., Mattapoisett, Mass.**

## BUFF ROCKS

Line bred for 20 years. Eggs from Chicago winners \$3 and \$2.50 per 15. Half price after May 1st. Breeders of exhibition quality for sale.

**C. E. CLAPP**  
**Groveland Court, Morgan Park, Ill.**

## BEST REDS IN AMERICA

**TUTTLE'S FAMOUS STRAIN  
ROSE COMB RHODE ISLAND REDS**

After May 15th I will sell 50 of my breeding males and females, including some winners at the big shows.

**R. F. Shelley -:- Geneva, Ohio**

## Silver Campines

"Improved Champion" Strain—Chicago winners. Eggs and chicks.

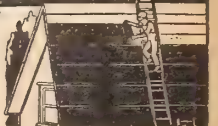
### White Runner Ducks

Chicago and Buffalo winners. Stock, eggs and ducklings. Prices reasonable.

**ALICE RAWSON - BIG ROCK, ILLINOIS**

## RUBBER ROOFING

**Special Introductory Price on Full Size Roll, 108 Sq. Feet**  
**65c**



Here's an opportunity you can't neglect. Galvo brand high grade Rubber Roofing.

Made to Withstand Any Weather and Climate is offered for a limited time only at this extraordinary introductory price. Send in your order today.

**Anyone Can Put It On** No experience, no special tools are needed. Quickly put on and put on to last. It is absolutely

**GUARANTEED FOR 25 YEARS**

Figure out how much you need and send in your order today. This introductory price applies on 1 ply with 2 ply and 3 ply as noted.

**108 Sq. Ft. Two Ply 80c 108 Sq. Ft. Three Ply 95c**  
We can also save you big money on harness, paints, silos, water troughs, machinery, etc. Write for low, net factory-to-consumer prices. Samples FREE

**WAREHOUSES: Cincinnati New York Kansas City San Francisco**  
**CENTRAL ROOFING & SUPPLY COMPANY**  
**23 N. Morgan Street Dept. 475, Chicago, Ill.**

**It's  
Alive!**

*This cut was made direct from a Photograph*

Send us photos of your own birds, and our art department will paint a new background, fix up tail feathers, head points, etc. and we will send you a finished plate not to exceed 10 sq. inches post paid for \$2.50.

We have stock cuts for sale from

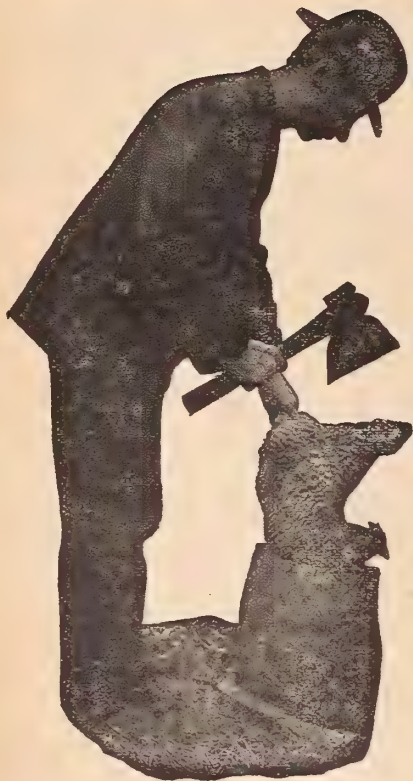
**\$1.25 up**

Write for our introductory offer, 20% off on all cuts, also FREE booklet, "Poultry Advertising."

**BREEDERS ENGRAVING CO.**  
**519B-C. U. Tel. Bldg., Indianapolis, Ind.**



# DON'T KILL THE LAYING HEN



**T**HE HEN that lays is the hen that pays. Hundreds of thousands of hens are killed each year that are in full laying condition, while an equal number are kept in the flock that never have or never will lay an egg, or at best will lay only a very limited number. All this may be avoided if everybody would use the Potter System of telling the layers from the non-layers.

## Cull Out the Drones and Save on Feed

Why should the poultry breeder go on wasting feed by feeding a lot of hens that do not produce enough eggs in an entire year to pay for their feed for one week, when it can be avoided by learning the Potter method of telling to an absolute certainty just which hens are the producers and which are the drones in the flock?

If you know the Potter System you can reduce the size of your flock and save money on your feed bill, and at the same time secure just as many eggs at from one-third to one-half the cost. Is not this worth considering?

The Potter System is the only reliable system on this subject, and anyone can learn it in an hour's time, and we guarantee that anyone with a little practice can go among a flock of fowls and pick out the layers as rapidly as the birds can be handled. We have thousands of unsolicited testimonials from people who have purchased our book "Don't Kill the Laying Hen" and learned how to pick the layers and who consider the book worth many times the cost. Read what a few of them have to say:

## TESTIMONIALS

3095 W. 100th, Cleveland, Ohio.

Gentlemen:—Having received one of your books regarding the laying hen, I am pleased to say that it has done a great deal for me and would not part with it for many times what it cost if another could not be had. Yours truly, JOHN VAN SCHOAR.

304 Grand Allee, Quebec, Canada.

Gentlemen:—I received your book "Don't Kill the Laying Hen" some time ago. I am very much pleased with it and think it the best book I have ever read and would not be without it for any amount you would ask for it, and think every person that keeps fowls should have a copy. Yours truly, ED. ARCHER.

Wellsville, N. Y.

Gentlemen:—I received your book on "Don't Kill the Laying Hen." Will say that it is all you claim it to be and that it is no fraud. I went out to the hen house last night and tried the test. It worked to perfection. I predicted that a few hens would lay the next day, and sure enough some of them have laid. Very truly yours, WM. H. LEO.

Jutland, N. J.

Gentlemen:—Yours at hand and am glad that you have notified me of your new book of the system of selecting laying hens. Your old book has saved me many a dollar on feed bill, besides giving me more room for the layers. I would not be without this book for any money and am glad you have added more to it. Yours truly, M. V. TAYLOR.

977 Wilcox Ave., Chicago, Ill.

Gentlemen:—I must say your book "Don't Kill the Laying Hen" is valuable to any poultry keeper; it is worth its weight in gold and your system reliable in every way. I am more than pleased with it. I have told some of my friends about the system and they got the book and are pleased with it. Yours truly, JOHN MOYER.

Box 105, R. R. No. 1, Charlestown, Ind.

Gentlemen:—I am ashamed that I have allowed almost two years to pass without writing you how thoroughly I endorse and value your book "Don't Kill the Laying Hen." The only thing I don't like is I can't tell my poultry friends all it has taught me. I would not be without it for many times its cost. We frequently ship fifty or sixty hens and get as many eggs as before, showing we had not shipped laying hens. It saves me a trip to the poultry house at night to know which are broody hens. At feeding time I examine all hens on the nest and shut up the broody hens. Yours very truly, MRS. B. R. McCONNELL.

Deer Creek, Okla.

Gentlemen:—Your letter and circulars to hand and contents noted. Yes, the best I can do is to have the new book "Don't Kill Biddie." It has made me one hundred and ninety dollars and still making more, and only a few chickens, from 70 down to 44 now. I'm running two machines and selling enough to support me and living like Queen Victoria. Yours truly, G. W. NORMAC.

Tucson, Ariz.

Gentlemen:—Your book in regard to the laying hen received. It is well worth the price. Anyone owning a small flock of chickens ought to have one. Yours truly, J. A. GORDON.

614 Boos St., Harrisburg, Pa.

Gentlemen:—I received your book on "Don't Kill the Laying Hen" and must say it is all it is claimed to be and more. Yours truly, GEORGE J. GRIFFEE.

Lincoln, Kansas.

Gentlemen:—Your book "Don't Kill the Laying Hen" is just the thing for a poultryman. I don't see how I got along without it. I would not part with the knowledge gained from it. Yours truly, MRS. IDA MEIER.



# THE FOURTEENTH EDITION OF THE GREAT POTTER BOOK

is just off the press. Revised and improved to such an extent that it is now without question the greatest book of its kind ever published. This book contains 96 pages, (6½x9 inches) and 38 illustrations; printed on super-calendered paper, bound in two kinds of binding—paper and cloth. Will make a very valuable addition to any poultryman's library. In fact, no one who raises poultry, no matter how many or how few, can afford to be without a copy of this great book. The secret this book contains is worth many dollars to anyone.

More than 100,000 copies of this book have been sold during the past few years, which in itself is conclusive evidence of the value of this book. When ordering a copy of this book you must promise not to reveal the secret to anyone except the immediate members of your family. The secrets it contains cannot be obtained from any other source. Everyone who receives this book is pledged not to reveal them to others. Therefore, it is to your interest to obtain a copy of this book at once and become a member of Potter's great "secret" family, stop killing the laying hen, thereby greatly increasing your poultry profits.

The Potter System of telling the laying hen has stood the test of time. It has been advertised in these columns for the past eight years, and during that time thousands of copies of the book have been sold and thousands of poultrymen all over the country have been enabled to turn loss into profit and thousands more can do the same thing if they will take advantage of the following offer:

## How to Get the Great Potter System

Realizing the great importance of this system to all poultry breeders the American Poultry Journal Publishing Co. has secured the exclusive right to print and sell this great work, and the benefits to be derived from system will be given to American Poultry Journal subscribers only.

## OUR GREAT OFFER

In order to supply every poultry breeder with the great Potter System and the greatest poultry journal on earth, we have put the price within reach of all, as follows:

Don't Kill the Laying Hen (Paper Cover) } BOTH FOR  
American Poultry Journal, one year . . . } **\$1.30**

For the Cloth Bound Edition, \$1.50

## A History of Eight Non-Laying Bob-Tailed Hens and One That Was Not Bobbed

Including valuable scientific facts regarding molting. A supplement to "Don't Kill the Laying Hen." This supplement gives the story of One Hen that was not bobbed; the story of the first four non-laying bobtailed hens; the other four non-laying bobtails; how hens having red combs are deceiving; forced molting bad business; how the laying season may be extended and many more eggs obtained, or why hens having good laying organs stop laying early in the season, and much other valuable information which is worth far more to the average breeder than the small price we are asking.

If after a careful study and trial of the system you find that we have misrepresented this system in any particular, money will be cheerfully refunded. We have given this system a thorough investigation and know whereof we speak. If you are already a subscriber to A. P. J., we will extend your subscription one year from its present expiration. Send all orders to

**AMERICAN POULTRY JOURNAL PUB. CO.**  
542 SOUTH DEARBORN STREET : : : CHICAGO, ILLINOIS





FIRST PRIZE PEN S C WHITE ORPINGTONS AT PITTSBURGH 1910.  
BRED AND OWNED BY  
LAWRENCE JACKSON HAYSVILLE PA.

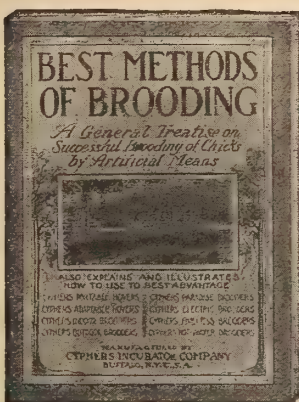


# Correct Brooding and Proper Feeding of Chicks

**N**OW—today—is the *critical time* in your year's poultry work, Reader! *Raising the little chicks is the test*—raising them in *profitable numbers*; chicks that are healthy and lively, that will *grow rapidly*, that will make good layers or breeders, or that will bring *high prices* either as table poultry or as fancy fowls.

It is largely a question of *correct brooding* and *PROPER FEEDING*—of this there can be no doubt. We are often told that it is *easy enough* to hatch plenty of chickens, but that it is a *hard matter* to raise them. And this is so, *unless* you have the right kind of brooding equipment and feed the right kind of food *in the right way*.

Cyphers Company customers *know* this is true, and we want *every reader* of this advertisement to know it also. To help you with *your work*, Reader—to help you *win success*—we have gone to large expense in publishing



Cyphers Company's Latest New Free Book. Most Complete Treatise to Date on This Vitally Important Subject. Goes Into Every Detail From Time Chicks are Taken From Incubator Till They are Placed on Range. Book of 52 Pages, 7x10 Inches in Size, Well Illustrated. Mailed FREE on Request to Any Address.

## Two Free Booklets

treating solely on these *vitally important subjects*, and we shall be glad to mail either booklet or *both of them* to you, without obligation, *promptly on request*. Write today. A postal card will do, although we would be glad to get a letter telling us about your poultry plans. Maybe we can *help you out* with some information or advice. Write us freely on any poultry subject.

## Sample Reports from Customers

Please read the following letters from Cyphers Incubator Company customers whom we have helped to realize greater profits from *correct brooding* and *proper feeding*.

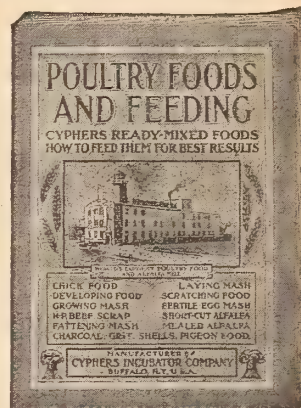
### "Always Sorry After Substituting"

R. F. D. No. 4, Vineland, N. J., July 28, 1912.

Cyphers Incubator Co., Buffalo, N. Y.

I am pleased to be able to report that I have been using your various Balanced-Ration Poultry Foods for *more than six years*. Have discontinued using all other makes for the reason that my results with your Foods have been *uniformly satisfactory*, and the chicks I have raised upon your foods have always turned out large, plump, well-developed and evenly-feathered birds. When I could get it, I have *always used your chick food* for my little chicks. At times I have had to substitute some other brand of food, and whenever I have done so I have been *sorry afterwards*. I have found more or less grit and other cheap materials in other makes of chick food that I have tried, whereas your foods contain *nothing but clean, pure wholesome grains*.

THE SCHOFF FARMS (Arno Schoff, Prop.)



This Book Would be Cheap at \$5.00 Per Copy. Judged by Actual, Detailed Value of Contents. Tells How to Produce Broilers, Fryers, Roasting Chickens and Capons; Also Exactly How to Feed the Layers and Breeders. 52 Pages, 7x10 Inches. One FREE COPY on Request to Any Address.

### "Maximum Results with Minimum of Labor"

North Abington, Mass., Oct. 30, 1912.

Cyphers Incubator Co., Buffalo, N. Y.

In January of this year I obtained 1,500 White Orpington Chicks. These chicks, as well as all of my other stock, were fed on your Cyphers Balanced-Ration Poultry Foods, according to "The Cyphers Way", and in return I succeeded in getting the *maximum results with the minimum of labor*. As an example of the weights I obtained by feeding your Balanced-Ration Food, I will state that chicks hatched June 12th averaged 2 3/4 pounds by August 20th, and I have pullets 14 weeks old that averaged 4 1/2 pounds; cockerels that average 7 1/2 pounds. Anyone who adopts Cyphers methods will require to make a big mistake of some sort, or meet with some accident, *not to obtain results that show handsome profits*.

MISS ANNA B. SANDERSON.

### "Good, Strong Fellows, Too"

Augusta, Mich., Nov. 6, 1912.

Cyphers Incubator Co., Buffalo, N. Y.

Year before last I gave your Sealed-Bag Brand Poultry Foods a *fair trial*, and now it is "Cyphers Foods exclusively for me." I hatched a bunch of 105 Barred Rock Chicks—good, strong fellows, too. I was then feeding the chick food that I bought of a milling company at \$2.00 per 100 pounds. *In eight days' time I had just 51 chicks left*. I got desperate, as they were choice chicks, ordered a bag of Cyphers Co. Chick Food from your Chicago Branch House by telephone, began feeding it at once, and *lost only seven chicks from that bunch afterward*. How much would that \$2.50 bag of food been worth to me at the start? For the balance of the season I used Cyphers Food exclusively and *had fine results*. I am a beginner, but have learned that Cyphers Foods are the *cheapest when results are counted*.

W. C. HODGES.

### "Seeing Is Believing"

Bancroft, Kans., April 12, 1912.

Cyphers Incubator Co., Buffalo, N. Y.

Two of my neighbors were *here this morning* to see my chicks and were so pleased with them that they wanted to know what I fed them. I told them I used Cyphers Balanced-Ration Foods and nothing else except a little steel-cut oatmeal, *Seeing is Believing*, so one woman borrowed my catalogue to order some of your foods and the other borrowed some of my Cyphers Chick Food till she could get some. *Our chicks sure look fine and are growing so fast* I enclose order for Cyphers Grit and Short-Cut Alfalfa.

MRS. W. A. HENRY.

### "Chick Loss Was Stopped"

York, Neb., Jan. 8, 1912.

Cyphers Incubator Co., Buffalo, N. Y.

Have used your Poultry Foods *exclusively* for the last *six years*. These foods are unsurpassed—especially the Chick and Developing Foods. Before that time I had used most any thing called "Chick Food" sold by local grocers and feed dealers, and they were called the best, of course, but I *continually lost chicks*, and it was not until I began using Cyphers Chick Food that I found out where the trouble was and the *chick loss* has stopped.

STROBEL ORCHARD FARM (Fred Strobel, Prop.)

### "Cockerels that Weigh 6 lbs. 1 oz. Each"

Greenwood Lake, N. Y., June 7, 1912.

Cyphers Incubator Co., Buffalo, N. Y.

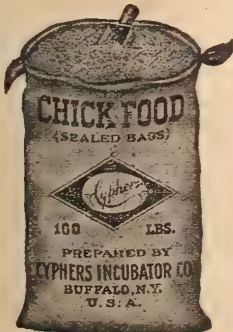
I have had the best kind of results from using your Sealed-Bag Brand Chick and Developing Foods, also your High-Protein Meat Scrap. I have found your foods to be *clean and free from waste and shrivelled or musty grains*. Have tried other brands but they do not nourish the chicks like the Cyphers. I have raised Barred Rock Cockerels *three months and one week old* that weigh 6 lbs. and 1 oz. each. These birds were fed on your Chick and Developing Foods, Fattening Mash and Meat Scrap.

HENRY D. BRAENTIGAN.

Write today for the two Free Booklets, addressing our place of business nearest you.

**Cyphers Incubator Co.,** Factory and Home Offices: Dept. 30 **Buffalo, N. Y.**

Branch Stores: New York City, 23 Barclay St.; Boston, Mass., 12-14 Canal St.; Chicago, Ill., 329-331 Plymouth Ct.; Kansas City, Mo., 317-319 Southwest Blvd.; Oakland, Cal., 2127 Broadway; London, Eng., 121 Finsbury Pavement.



#### Cyphers Company's Chick Food

This 100-Lb. Bag will Feed 100 Newly-Hatched Chicks Four Weeks, or 50 Chicks Six to Seven Weeks. Price \$2.50 f. o. b. Buffalo, Boston, New York City, Chicago and Kansas City. Price f. o. b. Oakland, \$3.00.



#### Cyphers Company's Developing Food

This is a Medium-Granulated, Five-Grain Balanced Ration that we Advise Our Customers to Feed to Growing Chicks Between the Ages of Six to Twelve Weeks. Before They are Given Whole Grain.



## FAIRVIEW WHITE ROCKS.

Guy Daily reports that he has two hundred surplus yearling hens which he will dispose of at very reasonable and attractive prices. Here is a snap for some breeder of White Rocks.

The Fairview strain of White Rocks made a remarkable win at the late Chicago show, which added to their long list of first prizes won during the past has forced the public to recognize it as one of the prominent strains of the country.

Mr. Daily issues an instructive catalogue and is always glad to answer correspondence. Address Guy Daily, Jeffersonville, Ind. Mention American Poultry Journal when writing.

IDLEWOOD POULTRY FARM,  
SWANVILLE, PA.

The Idlewood Poultry Farm make a specialty of day-old chicks and have a capacity of 100,000 chicks. Therefore if you want S. C. Red, R. C. Red or White Orpington chicks here is the place to get them.

Mr. A. H. McElroy, proprietor of Idlewood Poultry Farm publishes a souvenir catalogue that is very artistic and does justice to the fine exhibition quality of the stock kept here. The illustrations of the plant are fine half-tones and show it to be a very beautiful, substantial and at the same time a very practical poultry plant, in fact a model poultry farm. Mr. McElroy has spared neither time nor

While B-K is non-poisonous and harmless to human life and animal life, a dilution of it sprayed once a month about the coops, on the roosts, in the nests, etc., will destroy all vermin with which it comes in contact and will prevent these parasites from getting a serious hold among your fowls.

It will also destroy instantly on contact all germs of contagious disease such as roup, cholera, diarrhoea, etc., that may be lurking in the hen house. A few drops of B-K placed in the drinking water once a day will destroy the germs that cause disease and effectively prevent loss from cholera, diarrhoea, etc.

To introduce B-K the General Purification Co. offer to send a free sample to any of our readers who will write to them and mention this paper.

## HOW TO REDUCE EXPENSES.

This should be an interesting subject to every poultryman for the reduction in expenses means just that much more profit. We believe every one is or should be interested in making his poultry business profitable.

Feed bills can be greatly reduced by using a good automatic poultry feeder, because no feed is wasted, and none is left lying around on the ground, because the fowls only operate it to get feed as they need it. In this way they get a little at a time and with litter on the floor they must exercise to get it. This aids digestion, stimulates and increases egg production and at the same



HIP! HIP! HOORAY!

CHICAGO WINNERS

PITTSBURG WINNERS

INDIANAPOLIS WINNERS

AMERICAN ROYAL WINNERS

And winners in **forty-nine** (49) other shows in the U. S. **this past season** were hatched out of **Aristocrat Eggs.**

## Think This Over

Is not this a simply phenomenal record? Such eggs I am sending out to my customers in all parts of America at \$10 per 15, and guarantee eight strongly fertile eggs to each setting. Does this look good? Do you who are reading this—do you want to raise such Barred Plymouth Rocks? Then send \$2.50 per setting right now and have your order booked for delivery when you want to set the eggs. The balance you may send just before I ship the eggs to you.

**Special Sale of Highest Quality  
Pullet-Bred Cockerels Now Go-  
ing on. Write!**

W. D. HOLTERMAN, Fancier

Box A, FT. WAYNE, INDIANA



Brooder House on the Idlewood Poultry Farm, Swanville, Pa. Capacity 4,000 chicks at one time.

expense in building up a strain of birds which have successfully competed for the blue ribbons at some of our largest shows. Having thousands of birds he is prepared to supply almost any demand for either stock, eggs or day-old chicks. His catalogue is free; if interested in Rose or Single Comb Reds or White Orpingtons, write for it. Address Idlewood Farm, Swanville, Pa. Please mention American Poultry Journal when writing.

TIMELY ADVICE TO POULTRY  
KEEPERS.

The poultry keeper who expects to get the maximum profit from his fowls this summer will do well to give them a little special attention right now when they are first being turned out on range. They have been housed up more or less closely during the winter months and as a result both the fowls and their quarters have no doubt become infested with vermin. These will worry their victims—especially as the days get warmer and prevent their laying and thriving as they should unless you do something at once to get rid of these pests.

Germs of various kinds are also finding conditions favorable to propagation right now and destructive diseases may break out at any time unless you use some dependable preventive.

We know of nothing on the market more convenient, inexpensive and effective than B-K, a wonderful new discovery prepared by the General Purification Co., of Madison, Wis., and advertised by them on another page of this paper.

time the general health of the flock. Furthermore, because there is no feed left lying around, the sparrows, rats and mice are compelled to seek a new home, where they can get access to feed. This alone results in an enormous saving, more than most poultry men realize.

In addition to this a good feeder saves a great deal of time. It reduces the work of feeding to simply filling the hopper once a week, at the same time it feeds your birds better than you could for a hen knows when and how much feed she needs better than you do. With a good dependable automatic feeder you get the maximum results at the minimum expense. A good dependable feeder is a feed saver, a time saver, in fact a money making investment for any poultryman.

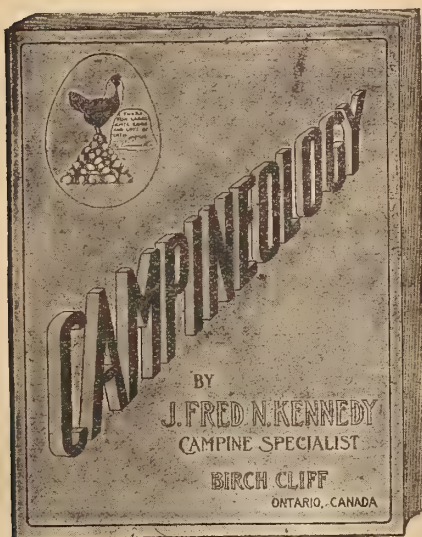
There has recently been placed on the market the most simple, most perfectly constructed and absolutely dependable automatic feeder yet invented. It is called the Simplicity Kant-Klog Poultry Feeder. It is all its name implies, for it is so simple a child could put it together and operate it. There is almost nothing to it, yet it works. In fact it is so constructed it can't fail to work for it simply can't clog. It has what no other feeder has, an agitator that stirs the grain right at the point of exit. By its unique construction, having a swinging deflector, it scatters the grain over twice as much floor space as any other feeder. The grain in falling is hit by the swinging deflector and knocked promiscuously in all directions, practically never twice in the same place.

This feeder is "simply perfect, perfectly simple," and is made in three sizes.



The small size holds one quart, stands twelve inches high and is called the baby chick size. It will feed your chicks from the time they are hatched. No more worry about feeding your chicks, simply fill the hopper of a Simplicity Kant-Klog Baby Chick Feeder and leave them to do the rest. You can go to work or away from home and forget you have chicks. When you return you find they have been well fed during your absence. The fowl sizes come in ten and twenty quarts. These feeders cost even less than others and they are more simple, can't clog, and more efficient as they scatter the feed farther. No poultryman can afford to be without these feeders for they will save you several times their small cost the first year and they last forever.

Send for free book, "What and How to Feed." This gives you valuable feeding formulas for Spring, Fall, Winter and Summer feeding, and also tells you why Simplicity Kant-Klog Poultry Feeders will save you many dollars during the year. Get a copy of this book today. Address Simplicity Supply House, Pontiac Bldg., Chicago, Ill.



The above is a reproduction of the cover page of the handsome catalogue issued by J. Fred N. Kennedy, Birch Cliff, Ont., Canada, the well known Campine breeder. Mr. Kennedy has spared neither time nor money in producing this catalogue which is printed in the most up-to-date manner and contains a handsome picture of Golden and Silver Campines in natural colors; but aside from this feature the book is full of information about the Campines and every one of our readers should have a copy. It is sent for 10 cents to pay postage.

#### THE CHICAGO HOPPER.

The Chicago Poultry Dry Mash Hopper, that has been advertised in our columns for several months, is made of all galvanized iron, which makes it practically indestructible. It is rat, sparrow and mouse proof, the poultry can't waste any feed or injure their combs or bills; it is open to the poultry at all times and closed to rats, sparrows and mice, day and night. When a fowl steps on platform a wire mesh door swings inwardly, when fowl steps off again there is a small weight that overbalances platform, which will close the door and lock same by a small bolt. Nothing can get to the food but a fowl large enough to overbalance the weight again. The weight can be adjusted to suit. It is the only dry feed hopper patented that is absolutely non waste, sparrow and mouse proof. Hopper feeding is the new way of feeding poultry, as it saves time and feed; it has been tried and proven good. All up-to-date poultrymen are taking up hopper feeding, but complain, saying there is no rat and sparrow proof hopper on the market.

The inventor of the Chicago Hopper, Mr. Geo. L. Poh, 2160 Lincoln Ave., Chicago, issues an illustrated folder that fully explains his hopper. Send him a postal card for one of these folders and say you saw his ad in American Poultry Journal.

Chicago, Ill., April 2, 1913.  
Buschmann-Pierce Red Farms, Carmel, Ind.

Gentlemen: We think you might be interested in our experience with the

utility hens and pullets we bought from you last Fall. We kept them in a Niemann Brothers' open front galvanized iron house all winter and have used leg bands and trap nests so that we were able to keep a complete record of each bird up to date. We have made a comparison, using the egg-laying record of six of our birds, and find on March 27th that these six birds exceeded the best record made at the Inter-Ocean Egg-laying Contest at Midlothian Farms, by sixty-four eggs. During this time that we have made up our record, three out of the six hens have been sitting an average of ten days each. For people who have had no previous experience but journals we think we are fair when we assume that our record is largely due to the superior egg-laying strain of the birds you furnish to us, plus the care we have been

able to give them. If the young chicks which we are trying to hatch equal the record of their mothers, we feel sure we will have two dozen good layers to provide us with eggs next winter.

Very truly yours,

(Signed) Frank F. Holmes.  
Mr. Holmes is of Frank F. Holmes & Co., Fire Insurance, 175 Jackson Boulevard, Chicago, Ill.

Mr. Robt. T. Brown, R. F. D. No. 4, Springfield, Ill., has been breeding birds that win the blue at some of our large shows for a number of years. This year his pens contain some particularly fine birds, including winners at Chicago, Springfield, Alton and other shows. His mating list gives full information, also prices, which are very reasonable. Mention A. P. J. when writing.

### WARD'S CHAMPION DARK CORNISH PULLETS and YEARLING HENS

**For Sale** On account of having booked passage for first week in August to England for Cornish, I have some 25 or 30 high grade Cornish females for immediate disposal, at attractive prices.  
**JOHN W. WARD, JR. Box 7 PENNINGTON, N. J.**

## REDUCTION SALE OF Covert's Barred Rocks

AFTER MAY 20th will sell eggs from my best pens at two-thirds price.  
Also high grade stock at two-thirds price.

**D. M. COVERT :: Ashtabula, Ohio**

## AMERICA'S BEST WYANDOTTES

**Golden, Silver and Whites**—Winners of over 300 premiums at Madison Square Garden, N. Y., alone during the past 22 years. They won four firsts and many other premiums, including \$100 cup, this year at this great show; they have won thousands of premiums at Chicago, Boston, St. Louis, Philadelphia, Buffalo, Cleveland, Cincinnati, Columbus, and all the leading shows for the past 30 years. If you want to raise winners, or the finest utility birds, try our eggs. Our matings were never so fine as this year, and contain over 300 winners. Eggs from regular exhibition matings \$3 and \$5 per setting, or half price after the 25th of May. Eggs from utility birds—wonderful layers—\$2 per setting, or \$10 per 100; but no reduction for the summer; also the finest Golden Sebright Bantams, eggs \$3 per setting. Large circular and mating list free, showing 50 of our winners.

**IRA C. KELLER - Box 75 - Brookside Farms, PROSPECT, OHIO**



## Andrews' White Wyandottes

**Boston Winners Again, 1913**—In strongest competition ever known, 1st pen; 2d, 4th, 5th cock; 2d, 3d hen; 2nd cockerel. Remember, I hold the world's record of winning at Boston every year for the past sixteen years. Six first pens in the last seven years. Three first cockerels in the last four years. Four second cockerels in the last four years. A few grand breeding males left that will do you good. Send for mating list showing winners. Eggs from finest matings ever bred, \$10 per 15, \$18 per 30, \$25 per 45. Eggs half price after June 1st. Book early.

**J. W. ANDREWS**  
**Box A :: Dighton, Massachusetts**

### Stock, Eggs, BABY CHICKS For Sale

**CHAMPION WINNERS — CHAMPION LAYERS — CHAMPION PAYERS**

**Four Firsts and Four Seconds on Buff Orpington**  
**Fowls and Ducks at the Great Chicago**  
**Show, Dec. 12-18, '12**

**DO YOU BREED**

## "SUNSWICK STRAIN"

**S. C. BUFF ORPINGTONS**  
**and BUFF ORPINGTON DUCKS**  
**or Just Orpingtons?**

**The Great Buff Orpington Specialty Breeders of**  
**America**

**SUNSWICK POULTRY FARM South Plainfield, N. J.**

**Rufus Delafield, Owner**

**Send for Mating List and Catalogue**

**Inspection Invited**



**O. K. POULTRY LITTER A TREMENDOUS LABOR SAVER.**

The perfecting of the incubator made poultry raising one of the most profitable of industries, placing it on as well defined a basis as far as expenditures and results go as any other branch of farming or manufacturing.

The next greatest help in the business is "O. K." Poultry Litter. There is nothing else like it. In the first place it is a better litter for brooders and houses of all sorts than any other litter material for every reason you can think of. It keeps the houses dry, clean-smelling and thoroughly sanitary.

Then its original cost is no greater than the average poultryman has to pay for other litters.

Above all, it is such a labor saver, such a convenience. It has the property of drying up the droppings, so that one lot lasts in a brooder until the chicks have outgrown the brooder entirely. In houses and pens of all descriptions two or three cleanings out in a year are all that are necessary. "O. K." Litter is a natural product, not medicated or "chemicalized" in any way.

The importers, the O. K. Company, 157 Water Street, New York, mail a sample free to any one who writes, and we suggest it's well worth your while to write for it. The big breeders are using "O. K." in preference to anything else.

**AN EASY WAY TO GET RID OF LICE.**

When Prof. Lambert of the Rhode Island Agricultural College began his experiments to find a dependable method of destroying poultry lice he undertook a work that has meant a great deal to all poultry keepers. It has been nearly 30 years since he succeeded in finding the best weapon for destroying these pests, and now there is hardly a poultry man in America who has not used or heard of Dr. Lambert's "Death-to-Lice."

It is the old reliable stand-by that never fails and does not injure hens, eggs, chicks or soil plumage. The preparation is put up in various size packages, selling for as low as 10c and up to \$1.00. Surely no poultryman can afford to put

up with these profit-eating pests when they can be cleaned out so completely and easily by this splendid preparation.

Dr. Lambert's "Death-to-Lice" is sold by most dealers, but if yours does not carry it you can obtain it direct from the O. K. Stock Food Co., 501 Traders' Bldg., Chicago, Ill. The advertisement of this company appears on another page.

Vierheller Bros., 17 Sylvania avenue, Pittsburgh, Pa., the well known breeders of Buff Plymouth Rocks, are offering eggs for hatching from their noted prize-winners at \$10 and \$15 per setting. Those deserving something extra good should get in communication with them at once.

**BARNES KNOWS HOW.**

A recent letter from Charles E. Barnes, of Taylorville, Ill., who breeds the champion strain of Buff P. Rocks, says:

"At the late National Buff Rock Club Show, held with the Illinois State Show, at Springfield, Jan. 6-11, last, with 243 Buff Rocks in competition, I won 5 ribbons, on 5 entries, winning the much coveted National ribbon for best colored male, with 81 males competing. I also may say I have raised my chicks on Chamberlain's Perfect Chick Feed for the past 10 years."

Yours truly,  
CHARLES E. BARNES,  
Taylorville, Ill.

**BELLA VISTA FARM.**

The Bella Vista Farm is one of the best equipped farms in the country, located at West Kimmswick, Mo., near St. Louis, on the Frisco Railroad.

This plant is arranged after the Corning system. It consists of two laying houses, each 80 feet long by 16 feet deep; the lower or ground floor is 6 feet high, the upper floor same dimensions. These houses are very modern and substantially built. The brooder house is 104 feet long by 16 feet deep, with all the modern conveniences for taking care of chicks. They have also 20 outdoor colony houses for young stock after they leave the brooder house.

Anyone contemplating going into the poultry business should visit this up-to-date plant. The price of eggs has been reduced from last year's prices, viz: \$2.00 per 15, \$5.00 per 50, either by express or parcel

post, charges prepaid. They can also furnish eggs by the hundred or thousand at greatly reduced rates. Day-old chicks are offered at \$15.00 per hundred. Send for free circular. Address Bella Vista Farm Co., Kimmswick, Mo., and mention American Poultry Journal.

**SILVER WYANDOTTES, PAST AND PRESENT.**

Mr. Henry Steinmesch, an international authority on Silver Wyandottes, has issued a folder describing the progress of this breed from 1889 to 1903. This folder should be in the hands of all breeders of Silver Wyandottes. It is very interesting, profusely illustrated with half-tones on high class glazed paper. It is free. Address Henry Steinmesch, 220 Market St., St. Louis, Mo.

**LICENE KILLS THE LICE.**

When other lice-killers fail, try Licene; it does the work every time. Send to the Licene Co., Pontiac Bldg., Chicago, Ill., 50c and they will send you enough Licene for 200 birds. Read these testimonials:

Bartlett, Tenn., 2-15-1913.  
Gentlemen: In Licene I believe you have found the ultimate in lice eradicators. It does the work thoroughly and effectively, while having the good feature of not discoloring the plumage. Enclosed find money order for which send another shipment. Very truly yours,

Martin F. Schultes,  
Troutdale, Oreg., 4-8-13.

Sirs: Please forward me 50c box of your Licene at once. I have tried all the lice killing powders there is but have never found anything that would clean the chickens of lice like your preparation. It doesn't move only "a few" of them but it gets them "all."

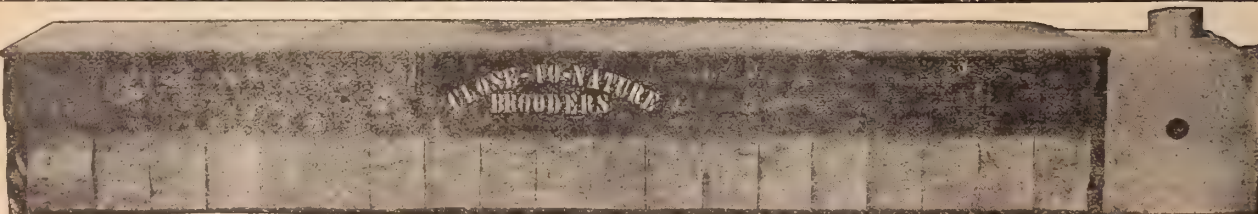
Yours respectfully,  
Perry Hale.

Readers of American Poultry Journal who live in Europe and are interested in Peerless R. I. Whites should write to Miss C. A. Reid Powell, St. Ives, Ringwood, England, who will furnish them with catalogues and prices, she being English agent for Carl D. McCarthy, Kempton, Ind.

**THE MOST POPULAR FOWL today is U. R. Fishel's White Ply. Rocks****Barred Plymouth Rocks**

The "Hoosier Strain" Barred Plymouth Rocks scored another sweeping victory at the Big Cincinnati, Ohio, show Jan. 23-29, 1913, winning best display, five silver cups, gold special for champion male, etc. We had twice as many points for best display as any competitor. This phenomenal winning added to our record of first cock at Chicago, Dec. 1911, second and third cocks and fifth pullet mated pen Chicago, Dec., 1912, five first and four second prizes at Indianapolis in 1912, is final proof that there is no better strain. **Eggs for Hatching:** Our pens are the best we ever mated and contain more National Show winners than the same number of pens owned by any other breeder in America and will produce the winners for next season's big shows. Prices for Eggs, \$1.50, \$5 and \$10 for 15. A few choice breeding birds for sale. Send for mating list.

**G. Earl Hoover :: Route 24 :: Matthews, Indiana**

**Close-to-Nature Open-Air Hovers--The Longest Portable Hover Ever Made**

Applies the three Close-To-Nature principles of contact warmth, open-air ventilation and no piling or overcrowding.

A most remarkable and modern hover. Warm air induction heater combines the fireless idea with the lamp--use the lamp for very young chicks, but discard it as they grow older; or use the lamp during day time when chicks are running out, but extinguish it when they cluster for the night.

Of all the well known Close-To-Nature brooders, this new 1913 hover is the climax. Unreasonably low prices this season.

No. 200, 67 inches long, 200 to 250 chicks, \$8; two for \$15. No. 100, 37 inches long, 100 to 125 chicks, \$5.75; two for \$10. Can ship at once. Send for circular.

If you need hovers at once, order from this advertisement. If not satisfactory, ship them back and your money will be returned and no questions asked. It is up to you. Mention American Poultry Journal when writing.

**CLOSE-TO-NATURE COMPANY -- 38 FRONT STREET -- COLFAX, IOWA**



## CATALOGUES AND MATING LISTS FOR 1913.

The catalogue of the Sunswick Poultry Farm, S. Plainfield, N. J., has been received. It shows "class," the same as the stock raised on this farm. They recognize the value of good printing and insist upon it in their catalogue and stationery. The Sunswick is the great S. C. Buff Orpington specialty plant of America. The new catalogue contains photos of many of their prize-winners, a bird's-eye view of the farm and other scenes; gives prices of eggs, baby chicks, etc. It is well worth sending for.

F. A. Kaup, Chicago, Ill., the Buff Orpington specialist, has issued a very handsome 32-page and cover catalogue. Cover in two colors and embossed. This catalogue contains many very fine halftone illustrations by that well known poultry artist, Louis A. Stahmer. This catalogue contains a complete list of the many prizes won during the past two years, a full description of his matings for this season, prices of eggs and baby chicks, testimonials from satisfied customers and other information. Send for a copy today and mention American Poultry Journal.

A very handsome and up-to-date catalogue is the one gotten up by Monmouth Farms, Freneau, N. J., breeders of the Monmouth strain of Single Comb Buff and White Leghorns. This catalogue has a frontispiece, a beautiful colored plate of trio of Single Comb Buff Leghorns by Shilling. It also contains many fine photos of prize winning birds and scenes on the farm. It is well printed, on heavy enamel paper and gives full description of matings for this season. A copy will be sent on request.

W. J. Gower, Jr., 405 Ridge Ave., Canonsburg, Pa., has sent us a copy of his mating list, which gives list of his winnings and description of his S. C. White Leghorn matings for this season.

The Wopsy Poultry Yards, J. W. Parks, Prop., Altoona, Pa., gets out a very attractive catalogue on bred-to-lay Barred Plymouth Rocks. This catalogue is full of value hints to breeders and is well worth sending for.

F. S. Bullington, Richmond, Va., the well known Orpington specialist, has issued his 1913 mating list, which gives full description of his nine breeding pens, and other information of interest to White Orpington breeders.

"Modern Portable Poultry Houses" is the title of a booklet put out by the Dyer Portable House & Mfg. Co., 4433 North Fortieth Ave., Chicago, Ill. This firm manufactures all styles of portable poultry houses. Their booklet is interesting and free for the asking.

Mrs. J. H. Harnly, Zion City, Ill., has favored us with a copy of her 1913 mating list. This contains a complete description of her 16 pens of White Orpingtons and full list of prizes won. Send for a copy and mention American Poultry Journal.

Simmons & Crittenden, Geneva, Ohio, the Rose Comb Rhode Island Red specialists, have eight pens mated this season. Their mating list is sent free.

Cloverdale Poultry Farm, Ransomville, N. Y., is sending out a very neat little booklet containing 12 pages and cover, which gives descriptions of the eight varieties of poultry they breed. They are making a specialty of baby chicks and ducklings.

Geo. W. Little, 700 Washington St., South Braintree, Mass., is sending out a very neat mating list of his Rose Comb R. I. Reds.

Parsons Poultry Plant, Avon Lake, Ohio, breeders of S. C. White Orpingtons and R. C. Reds have a very attractive mating list this season. It will be sent free on application.

One of the handsomest catalogues that has come to our desk this season is that put out by D. E. Ault, proprietor of Silver-side Poultry Yards, Ft. Wayne, Ind. Mr. Ault has not spared expense in getting up this catalogue, and it contains many fine halftone illustrations of Silver, Golden, White Crested Black and White Polish. He also has a very neat 4-page mating list.

We have received a copy of the 1913 mating list of the Sandy Lick Poultry Farm, 966 Liberty Ave., Pittsburg, Pa., breeders of Buff, White and Black Orpingtons. These people guarantee satisfaction.

The Regal White Wyandotte catalogue and mating list for 1913, is gotten up in the usual up-to-date manner, and besides giving full description of this season's matings contains much other useful information. Send for a copy to John S. Martin, Port Dover, Ont., Canada, and mention American Poultry Journal.

A copy of a descriptive circular and price list of the Elgin Improved Floor-Level Portable Hover has been received. This hover is manufactured by the Elgin Poultry Supply Company, Elgin, Ill.

Payne Brothers, Portland, Conn., breeders of Rose Comb R. I. Reds, have gotten out a very neat mating list for this season, a copy of which will be mailed to all who ask for it.

Miss H. E. Hooker, South Hadley, Mass., the well known breeder of Buff and Blue Orpingtons, has favored us with a copy of

their celebrated Buff Orpingtons, of 25 pens and two special matings. Send for a copy and mention American Poultry Journal.

R. C. Caldwell, Lyndon, Ross Co., Ohio, the baby chick specialist, has gotten out a very handsome 24-page and cover catalogue, which describes his stock, gives prices, etc. Send for a copy and mention American Poultry Journal.

Hugh A. Rose, Fonthill, Ont., Canada, the Black Orpington specialist, has favored us with a copy of his 1913 mating list, which he is sending to all who are interested in this grand variety.

The most attractive and up-to-date mating list that has appeared this season is that gotten up by F. N. Perkins, Freeport, Ill., the Partridge Plymouth Rock specialist. This is printed in two colors throughout and cover is printed in gold and embossed.



her 1913 mating list, which is one of the most attractive mating lists that has come to our attention this season. Better send for a copy.

The Longfield Poultry Farm, Bluffton, Ind., has gotten out a very nicely illustrated mating list this season, which describes and illustrates their Rose Comb Rhode Island Reds.

Dunrobin Farm, Red Bank, N. J., breeders, exporters and importers of poultry, ducks and dogs, have sent us a copy of their new catalogue, which is gotten up in a very attractive manner.

The 1913 mating list of the Fluffy Ruffles strain of Barred Plymouth Rocks has reached us direct from C. H. Welles, Stratford, Conn., the originator of this great strain. Send for one and mention American Poultry Journal.

Roseland Poultry Farm, South Euclid, Ohio, has issued their 1913 mating list on

It also contains a handsome colored plate of pair of Partridge Rocks in natural colors. Send for a copy. It is worth having.

A very handsome catalogue is that issued by Rocky Run Farm, Northfield, Ohio. This contains 36 pages and cover; printed on heavy enamel paper; beautifully illustrated. The cover is printed in green, gold and embossed. The whole book is a work of art from beginning to end. It fully describes this great farm and "Evergold" Buff Wyandottes.

"From the Shell to the Show-Room," is the title of a 32-page booklet that is published by the Aldrich Poultry Farm, Columbus, Ohio. It gives hints on hatching, feeding and watering, mating, conditioning, etc. Would advise our readers to secure a copy.

C. A. Keefer, Muskegon, Mich., the Buff and White Orpington specialist, has issued quite an elaborate mating list this spring, which gives description of his matings, prices of eggs, etc.



# Foxhurst Farm Champion Black Orpingtons



Make a **World's Record** at Madison Square Garden. **Winners** of all five first prizes. Of **30** birds entered **22** wore ribbons. Our birds have been scientifically **line bred** for **nine** years, and have been largest winners at New York for the past **five**.

## Annual May Sale of World's Champions

Our Madison Square Garden Winners, at reasonable prices—on approval—eggs from all winning pens, **\$10** and **\$5** per **15**.

**Look!** **TEN** fertile eggs to a setting guaranteed. From America's champion exhibition and laying strain.

**Foxhurst Farm, Lime Rock, Conn.**

<p>AVERAGE 1910 220 EGGS</p>	<p>EGGS LAID BY EACH HEN PER YEAR</p> <p>WINNING CONTESTS</p> <p>1910 1911</p>	<p>AVERAGE 1911 235 EGGS</p>
<p>ORIGINATED BY <b>PARTRIDGE PLYMOUTH ROCKS</b> <b>S. A. NOFTZGER, N. MANCHESTER, IND.</b></p>		

## MOST EXCEPTIONAL QUALITY PARTRIDGE ROCKS Have Been May and Early June Hatched

Send for my free mating list, today. It describes the 40 best matings in the world and quotes prices on eggs. I ship 15 eggs to the setting, to any state or country, and replace every infertile egg. Purchase one or more of my best settings and raise birds that will win for you next winter and that you can breed from next spring. It's a low-priced way of getting the best—will save you time and make you money. My birds are the undefeated champions at

**CHICAGO, NEW YORK, KANSAS CITY, TOPEKA, etc.**

and won two of the three laying contests held by the National Association. This proves them the **NATIONAL CHAMPION LAYERS AND THE BEST IN THE WORLD**

Send for **FREE** booklet today. Special sale of breeders after season.

**S. A. NOFTZGER Box 38 North Manchester, Indiana**  
Originator of the Partridge Rock Fowl

# IDLEWOOD POULTRY FARM

## CHAMPIONS

**Our standard is perfection and honesty**

Each bird that we have mated has the stamp of quality, and we give our customers eggs or baby chicks from the same pens that we use for ourselves. We specialize the following breeds:

**Single and Rose Comb Rhode Island Reds  
and White Orpingtons**

**Baby Chicks—Eggs for Hatching**

We have a hatchery with a capacity of 100,000 chicks, and thus enables us to furnish you with any number. Our winnings at the great Pittsburgh and Erie shows are as follows: Single Comb Rhode Island Reds, 1, 4, 5, 7 Cock-erels; 1, 8 Pullets; 1, 2, 6 Pens; 3, 4 Cocks; 4 Hen. Four specials for type and color. Rose Comb Reds, 1, 2, 3 Pullets; 2, 7 Cocks. Two specials for type and color.

Write us for Catalogue and Prices

**IDLEWOOD POULTRY FARM :: :: Swanville, Pa.**

The Ridge Egg Farm, West Nyack, N. Y., breeders of the Rockland strain of Silver Campines and S. C. White Leghorns, have gotten up a very attractive catalogue which they are desirous of placing in the hands of those who are interested in these varieties.

John L. Brown, 2337 Brown St., Anderson, Ind., breeder of the Giant strain of S. C. Black Minorcas, has a very neat little catalogue that he will send free to all who ask for it.

E. C. Young Box Co., Randolph, Mass., manufacturers of portable poultry houses, oat sprouters, shipping coops, feed hoppers, yard gates, nests, etc., have a catalogue that fully describes all these articles. Send for one and mention American Poultry Journal.

The 1913 mating list of C. J. Loyd & Son, Greensburg, Ind., has been received. This firm specializes in Partridge Plymouth Rocks.

A. E. Wohlert, Narberth, Pa., who makes a specialty of Single Comb Anconas, has gotten out a very tasty booklet describing his matings for this season. Send for one and mention American Poultry Journal.

Carl D. McCarthy, Kempton, Ind., the well known Rhode Island White breeder, issues a very attractive catalogue describing his farm and stock. Send for one.

The Fairview White Rock mating list for 1913 is up to its usual standard and fully describes the 18 grand matings; also gives list of winnings, prices, etc. Send for a copy to Guy Daily, Jeffersonville, Ind.

F. S. Smith, Hamilton, Ohio, the Single Comb Buff Leghorn specialist, has issued a large mating list this season which gives full descriptions of his 44 breeding pens and much other information.

**WILLIAM COOK AND SONS,  
SCOTCH PLAINS, N. J.**

This twenty-fourth day of March was our first visit to the home and poultry plant of Wm. Cook and Sons, the Mecca of all the Orpington fanciers the world over, for wherever the Orpingtons are known and bred the name of Wm. Cook and Sons is also favorably known. They coincide, one with the other. For year the Messrs. Cook and the poultry writers have told us the history of this variety, the aims of the originator and the progress made with the general favor in which the Orpingtons from the first have been received. But when Mr. P. A. Cook landed us at his home and gave us our first view of the great plant that his business success has made necessary, I felt that not the half had been told, particularly of this, the originator's home plant.

They say it is not proper to write of living persons, but in Mr. P. A. Cook we have a subject of character and ability, proficient and progressive, a man who does things, that we hope to be pardoned for the personal reference we may wish to make in this article. Here is a poultry plant of nearly 200 acres of land in a section of value as well as one of natural beauty, with very nearly "five acres" of cooped floor space. Think of this, consider upwards of 210,000 square feet under roof and devoted to but the breed of all the Orpingtons, and this the work of but one man. Account for it, reader, as you will. I claim it the positive proof of deserved success.

Mr. P. A. Cook has but the one business, the breeding and exhibiting of Orpingtons; he has hobbies in animals and birds, in trees, shrubs and flowers, and we were delighted with the wide range of thought and likes found in him. He has built his "Home Beautiful," surrounding it with the choicest of flowers, shrubs and ornamental trees known; here are the Japanese and Australian fir-trees and a thousand flowering shrubs. Rose gardens and the pathways edged by Privet and English box-wood. All is in harmony beautiful.

As you enter the dooryard, to the left is the aerie, with a large and rare collection of wild and ornamental birds, with fountain and the shady nooks that serve the natural home likes and conditions that the forests offer. To the rear the cinnamon bear from B. C., and near him the black Japanese bear, the finest specimen of bear we have ever seen. Then there are inclosed ponds for fancy water-fowls, also a large coop devoted to a magnificent American eagle, while high up above all floats "Old Glory" in peace and freedom. Entering the house you can well imagine yourself in the jungles of Africa, for here are live birds and mounted animals, even to the tiger, with the cooing bleeding-heart dove, the prettiest



of all. Mr. Cook is one of the broad-gauge kind of men whose nature has abundance of love for all things that live and grow.

The "Cook Orpings" to myself and to the reader as well probably should receive first consideration here, and with Mr. Cook we spent the greater part of the day in looking through and over his mammoth plant. From pen to pen, and from house to house we went, seeing in each something of special interest and with every step taken an increased admiration for this line of Orpingtons. The Whites are white, the Buffs are buff, the Blacks are black and this stock mammoth in size and numbers formed a collection bound to impress one with its worth. All varieties are bred here.

#### S. C. WHITE ORPINGTONS.

We could write pages, and still fail to do justice to this line and the records it has made in the prominent shows of this and other countries, but we must be brief and will refer to but a few of their thirteen thousand winners and the features as noted.

In the S. C. Whites were seen almost innumerable pens, each headed by a winning cock or cockerel mated to winning females and others of same quality and with the best possible breeding. The first and second St. Louis cockerels are mated here, the first a son of their M. S. Garden, N. Y., first prize winner. First St. Louis cock, first Trenton cockerel, first Birmingham cock, first Louisville cock, first and second Savannah cockerels, first Memphis cockerel, first and second Atlanta cockerels and other winners, all mated with the skill of the originator and of a quality in color, form and carriage that warrants the honors they have won. Combs and eyes average very good and were strong features. Here we seen a White male 18 months old weighing 14 pounds, still not bulky nor coarse, an ideal in form and a beauty head. To win at those shows means a strong all around bird, one that is good in all sections and is carried right, and here we can well say that their record well tells their general quality, both individually and collectively they have the quality that insures success to the breeder. Vigor and stamina with general and most excellent condition insures the quality and laying ability shown by this line.

#### S. C. BLACK ORPINGTONS.

We are not surprised that these are one of Mr. Cook's favorite and best, their extreme beauty is sure to attract for no matter where they are, in show or breeding pen or on the lawn, their style and character places them in the admirable class, and with their practical quality endears them to all who love beauty and worth combined.

These matings were headed by first cock, first and second cockerels, St. Louis; also first pen male, first Palace, N. Y., cockerel, first Memphis cock and first pen male and several others, all with records as long as the history of the variety. Much of our time was spent in seeing these matings and learning their records from Mr. Cook. The females were a very even lot, and in the same condition found in the Whites and others. We regret that time and space forbids individual mention of every pen seen. They are the "Cook" quality all through.

#### S. C. BUFF ORPINGTONS.

In the Buff Mr. Cook's stock is very large. This variety has been one of the leaders always, for their color meeting with general approval. A sound, clear buff color is very attractive, and the Orpington breeders have surely made great strides in perfecting this color, which at its present quality is sure to keep this variety to the front.

In one of the first pens seen was found headed by their first prize M. S. Garden, N. Y., 1913 cockerel, one of those rich and rare kind that must be seen to be fully appreciated. His color is of the very best, even and sound from tip to tip, both surface and under. Extra head and a wonderful tail in form and finish as well as in color. Next and close up to him in quality was the first Allentown pen male, followed by first and second St. Louis males, first pen male, first Trenton cockerel, first and second Birmingham cockerels, first Savannah cock, first Louisville cockerel, first and second Atlanta cockerels and a line of winners at several other shows, completing a class of merit and of value. The females mated were all we could wish for; size very good, typical form and a rich, even sound color in all, a beauty lot. To see these in the height of the breeding season, in condition and well carried pleased us.

#### BLUE ORPINGTONS.

Here are bred all varieties of Orpingtons. Their line is complete and in variety as well as in quality of each. Blue Orpingtons are the latest variety and here were several pens mated showing very nice form and

## F. L. Poultry Farm Rhode Island Reds

WINNERS AT ALL PROMINENT SHOWS  
Stock and Eggs For Sale Write for Mating List

F. L. OBER R. F. D. No. 1 Verona, Pa.

## FAIRVIEW WHITE ROCKS

SWEEPSTAKES CHAMPIONS AT CHICAGO, INDIANAPOLIS, LOUISVILLE AND MEMPHIS,  
and WINNERS in the LOUISVILLE EVENING POST EGG LAYING CONTEST

Eggs from these winners at half price the balance of the season. A grand lot of breeders for sale after June 1st. Write for prices.

GUY DAILY Box A Jeffersonville, Indiana

## HOLTZAPPLE'S BARGAIN "RED" SALE

Baby Chicks — Growing Chicks — Eggs — Breeders

My entire flock of S. C. Red Breeders—consisting of some 300 head—including some of my winners at Columbus, Toledo and Cleveland, at less than one-half actual value. Birds sold singly, by trios, mated pens, by the dozen, or will consider bids on entire flock. About 200 growing chicks, from four to ten weeks old, for sale cheap. Reductions on eggs and baby chicks. If you are in need of any S. C. Reds it will pay you to get my prices.

OSCAR HOLTZAPPLE - Box 48 - ELIDA, OHIO



EGGS HALF PRICE AFTER MAY 25th

## S. C. REDS

My birds win year after year because they have years of careful line breeding back of them, and because I know how to mate them to produce WINNERS. My record of all five firsts and all specials at Chicago is the greatest win ever made on Reds.

Mating List FREE. Better book your order NOW.

B. H. SCRANTON Box 350 Rising Sun, Ind

## Royal Blue Orpingtons and Barred Rocks

FIRST PRIZE WINNERS at New York and Boston, 1913. After May 12th, Eggs at Half Price. June 1st we shall break up our pens and have our breeders for sale. Also Blue Wyandottes and Blue Leghorns.

H. NICHOLSON :: Box A :: Leominster, Mass.

## White Leghorn Baby Chicks

Carefully hatched from pure-strain, heavy-laying, vigorous stock. The kind of chicks that thrive and grow to healthy maturity. Every one inspected—carefully packed.

Safe Arrival and Entire Satisfaction Absolutely Guaranteed

Michigan Farm day-old chicks are of finest quality because they are bred and hatched on a modern, well-managed plant. 60,000 egg capacity mammoth incubators. All cellars, brooders, ranges and houses are

faultless in construction and efficiency. They are built right and managed properly. Michigan Farm Breeding Stock embodies highest quality of thorough breeding and healthy vigor.



WE ALWAYS SATISFY  
EVERY CUSTOMER

Denver, Colo.  
April 11, 1913.  
Michigan Poultry Farm,  
Lansing, Mich.  
Gentlemen:—

We received chicks today and are pleased to say they all arrived in first class shape without one exception. Not one was the least bit dumpy. Very truly yours,  
(Signed) W. E. RICE.

#### Prices on Chicks

\$4.25 per	25
8.00 per	50
15.00 per	100
75.00 per	500
135.00 per	1,000

Immediate shipment if desired. Orders for 500 or more booked by wire or phone at our expense if confirmed by mail.

Our catalog will save you money on chicks and breeders. Send for a copy today. It is free.

MICHIGAN POULTRY FARM

LANSING, MICH.



# BARRED ROCKS

My Barred Rocks have won at our two best State Shows against the best of competition. At Buffalo, cock 5th, pullet 1st and two cups. Rochester, cockerel 2nd, cock 5th, pullet 1-5, pullet bred cockerel 3rd. Color and Shape Special on female. Eggs for hatching, \$2.50 and \$3 per 15. Write me.

**JOHN B. WEIG**  
179 Eaton St. BUFFALO, NEW YORK

## FIRST PULLET BUFFALO 1913

### 1st PULLET ROCHESTER 1913

# Trap-Nested White Rocks

That have been individually pedigreed and of exceptional vigor; color and shape only are used by us as breeders. Our famous CRYSTAL STRAIN—EASTERN CHAMPIONS—have been line bred years for heaviest egg production, without sacrificing their superior standard qualities. Catalog FREE upon request.


**HATCHING EGGS STOCK DAY-OLD CHICKS**

The Model Farms C. G. Mueller, Prop. Box 542 Lansdale, Pa.

# SPECIAL PRICE

THIS MONTH ON ALL EGGS FROM

# Egg-A-Day



Strain

## BUFF ORPINGTONS

I. BROOKS CLARKE Dept. C NEWARK, N. J.

See ad—page 829  
Send for illustrated circular

# THE HENDERSON STRAIN

## —AMERICA'S FOREMOST Barred Plymouth Rocks

An established strain with an established record, offers you the best of quality at the lowest prices. I have thirty breeding pens which contain Madison Square Garden, New York, Chicago and St. Louis 1912 winners.

EGGS AT HALF PRICE after May 10th. This season's breeders for sale to make room for young stock. Write for mating list, descriptions and prices. Secure your breeding birds from the STRAIN THAT WINS.

Cocks—exhibition or pullet bred.....	each, \$5.00 to \$12.00
Cockerels—exhibition or pullet bred.....	" 5.00 to 25.00
Hens—exhibition or cockerel bred.....	" 2.00 to 10.00
Pullets—exhibition or cockerel bred.....	" 2.00 to 10.00
Trios—cockerel or pullet mated.....	" 9.00 to 25.00
Pens—cockerel or pullet mated.....	" 13.00 to 50.00

Record and pedigree with every bird purchased.

**W. W. HENDERSON** St. Louis Office  
921 Security Building **BRIDGETON, St. Louis Co., MO.**

# INCUBATOR, BROODER and POULTRY YARD SUPPLIES

Our Catalogue, B-20, shows a full line of metal parts and all supplies for INCUBATORS and BROODERS, and we have just issued a special booklet on the latest improved Labor-Saving Poultry Yard Devices.

**THE OAKES MANUFACTURING CO.** Tipton, Indiana

# ARCHWOOD YARDS

J. A. PARKER Original CLEVELAND, OHIO

# SUSSEX STRAIN

White

# ORPINGTONS

"Lay Like a Gattling Gun." "Grow Like a Weed."

The Imperial Orpington Stud of the World  
Royally Supreme

size and rich color. The blue color seems to particularly fit the Orpingtons and we believe they will prove one of the most popular, for they are breeding true to color and make a very attractive bird.

We regret that at this time we haven't a complete list of their winnings to quote from, particularly those made at M. S. Garden, New York, during the past ten years. This would be interesting, indeed, for it would better convey to the reader just what this line has done. It has been exhibited from coast to coast and north and south alike, and among the 13,000 or more prizes they have won are many of particular value and interest. Orpingtons are one of the best and most popular varieties. At the shows they are found in large and leading classes with competition strong and honors can only be won by birds of merit and value. These conditions add to the value of awards and when we consider what this firm has won, we can well say it is a phenomenal record and they richly deserve every success.

Their plant is very complete. The new incubator cellar is light and airy, with a 9-foot ceiling, assuring perfect ventilation. The show room is being fitted according to Mr. Cook's own ideas. There are no cages or coops over one another, which as shown by Mr. Cook is an advantage in the housing and conditioning of birds. No item, no matter how small, escapes his notice, and his mind is ever working out valuable improvements.

The buildings are not fancy but practical; light, roomy and clean. His large new house (a picture of which we hope to show with this) we say unhesitatingly is a model and the most practical we have seen. It is about 20x300 feet, seven and one-half feet high in front and four in the rear. An aisle 3½ feet wide runs along the entire front, which is of the open order, being boarded up 2½ feet, a 3 foot wide frame covered with cloth comes next, then another of 2 feet in width; either, any or all frames can be removed as desired. In front the roof of the house extends outward and slightly downward in shed fashion as a protector. The pens are all 10x16½ feet; from the rear they are tight-boarded, so no draft can possibly hit their roosting place. No dropping boards are used, but in front of the perches a foot board runs across and under the perches the O-K litter is used. Our first impression of this house was favorable, but after passing through it and noting the general condition of the birds, hearing them sing and seeing them crowd the nests, we were completely won to this style of house.

Along the roadway with runs extending to the highway are other long houses; the runs have iron posts set in cement and are topped with a ball, giving to all a finished appearance. Over to the left and covering several 10-acre fields are the colony houses for the growing stock and in the rear the long lines of brood and chick coops. The brooder house is near the incubator cellar and also near it the long cockerel house where extra males are kept. The feed house, work-house and wash house are connecting for convenience and above are the conditioning pens. You can walk over a mile here all under roof used for poultry. Mr. Cook told us his feed bill last year amounted to nearly \$7,000.00. There is running water over the entire plant.

Visitors take advantage of the welcome extended here, they were there in goodly numbers when we were, and over 5,000 have been there in one day. Mr. Cook has improved the road from both Scotch Plains and Westfield to his home and all over his 200 acres of land, making it a place of interest well worth seeing.

Mr. Cook's fondness for his Orpingtons is first only to his love of nature, his home, flowers and shrubs, in these we found him equally well posted. We had roamed over the place admiringly and finally went up the arbor hill to the rear and east of the house for a general view of the entire plant. From there its real size could be appreciated best, as well as its beauty. To the north the Blue Ridge Mountains, like a protector, reach high and in a sweeping circle bound the farm and turn off the chill from the valley below and insuring a temperate climate that is both early and late. Tranquil and serene was the place, with the air filled with fragrance of budding trees and the first early flower hidden in the protected nooks. The crow of the lusty cocks was like music, a part of all. What a picture all did make, for the chickens, in their glorious colors of white, black, buff and blue, were a necessary part of it all. Here is the evidence of poultry success. Poultry has made all this possible and what a satisfaction it all must be to Mr. P. A. Cook. To him and to him alone all credit is due. He has shown the way for others to follow. He deserves the reputation he has made and sustained. He deserves the great and rich line of stock he has bred and he richly



deserves his beauty home, and we hope he may long enjoy it.—H. P. Schwab.

### SUNNYBROOK FARM, EATON-TOWN, N. J.

Situated in a desirable and a most attractive location, Sunnybrook Farm compares most favorably with all the great plants we have seen. Its advantage is in its ideal location, its temperate climate and its wonderful natural beauty. Just how beauty can be of advantage may trouble some to understand, but in it we can see many advantages to be desired, the least of which is the zest that fills the heart of every man from owner to helper to work successfully with the grandeur of nature all around to invigorate and keep mind and body always at its best.

A balmy March air scented with perfume of budding trees and shrubs. The lilac leafing and in every nook and protected place the daffodils, crocus and hyacinth bulbs poking their spurs up in bloom and fragrance, and the violet in all its beauty and richness sharing a good portion of admiration. The maples and birches along the drive, and the elms and evergreens around the house and buildings, all are in place and a part of that which makes this a home, the heart's desire.

We went then to visit Mr. Cleveland and to see his stock and plant and tell our readers of them, for about everybody knows this man and is interested in his work. For years he has been a leader in the ranks, a prominent official and worker in the American Poultry Association, a leading poultry judge and a writer of unusual ability, and now also he is the secretary and manager of the New York Poultry and Pigeon Association, the great Madison Square Garden New York Show.

Sunnybrook Farm comprises 130 acres of land, all of which is devoted to poultry, fruit and some general farming. The lay of the land is just rolling enough to insure proper drainage, all sloping to the brook from which the farm derives its name. While fruit is a feature here among the crops, there are several large meadows with clumps of ornamental evergreens and colony houses where the young are grown. The range is large and conditions of the best.

The poultry houses are modern and of the fresh air sort, well built and with large parks for the breeding birds. The incubator cellar is light and airy, with high ceiling, and the brooder house in arrangement and finish is of the best we have ever seen. The ventilating system is one to assure success. The brood coops for hens with chicks are made on Mr. Cleveland's own plan. They are about 2½ feet front, 4 feet deep and 3½ or 4 feet high in front. This size is particularly well adapted to this purpose. We like the height as it insures plenty of air space. Also in fall, winter and spring they are used for male birds, affording grand quarters.

This farm is devoted to White and Columbian Wyandottes and it is as a breeder and exhibitor of these that Mr. Cleveland is probably best known to many. For years he has bred and shown his stock at our greatest shows, making a record that has placed him firmly along with our best breeders of the day. The winnings of his birds has brought fame to the "Sunnybrook" line, and the visitor here can well see in a large flock a general evenness of high and rare quality in both his varieties.

Here we see one of Mr. Cleveland's original White Wyandotte males, a cock six years old last spring (seven years now), that headed a pen with a 65 per cent average fertility, vigor and stamina are back of that record, and in fact we thought those qualities were a feature of this whole line.

#### WHITE WYANDOTTES.

Of White Wyandottes we noted several pens, grandly mated, Mr. Cleveland selected for quality and worth and not for numbers, the pens having from five to eight females with quality and line breeding in all. Heading a selected pen was the first cockerel of last year at Camden. He also won the gold medal for best cockerel at show; a fine broad full breast, grand back, full and well spread and carried tail. His mates are ideal typical birds; color extra. Next a pen headed by a cockerel who now is at his best; a fine head and a very rich bird in every way. A beauty cock was lording it over the next pen; ideal front and rear, extra back and tail. From pen to pen it was the same story in all. Such matings assure results, for they not only have the desired type and carry well, but they are sound in color and with most every bird used having a show record.

We were glad to note the combs and eyes of these birds and also their industry. They were a busy lot, with health and vigor a pronounced feature. We must heartily

## CANADA'S WHITE ROCK FARMS

Originator of Royal Strain—and bred by me for a great many years. Leading winners at Guelph, 1912, and Buffalo, 1913. Sixteen pens mated for this season's egg trade. Send for Mating List, Satisfaction Guaranteed.

J. L. BROWN, Seaforth, Ontario.

## GOLDEN AND BUFF WYANDOTTES

EGGS FROM MATINGS headed by 1st cock, Chicago, 1912, and other winning males that are pedigreed and bred to lay, now reduced to \$3.00 per 15.

J. S. PENNINGTON - Box A - PLAINFIELD, ILL.

## REDS

Winners at Cleveland Fanciers' Club Show, January, 1913, the most coveted prize of 1st pen, also 2d Ckl. At the State Red Meet, Youngstown, O., Dec., 1912, Ck. 1st and 5th, shape special, 2d and 3d Ckl., 5th Pullet, 2d Pen. Buffalo, N.Y., Jan., 1912, 1st and 4th, Pullet, 5th Pen. Descriptive Mating list free. Eggs one-half price after May 15th.

M. C. DeLOOF Box 171 WILLOUGHBY, OHIO

## ROSE COMB REDS

Boston and New York Winners—At Boston 1913 won, 1st cockerel; 4th cock and 4th pen, with specials. Last year also won both shape and color specials and special for best R. C. Red female. Fourth Cock at Palace New York Show last month. In type and color as well as in head points, my line is unequaled and have been line bred for years. Write me your wants. I will please you with price and quality. Eggs for hatching. Mating list now ready.

GEO. W. LITTLE 700 Washington Street South Braintree, Mass.

## Champion Rose Comb Black Minorcas

50 Breeding and Exhibition Females—50—for sale after June 1, also 15 Cocks

LOOK UP March and April Numbers of this Journal for fuller particulars. EGGS FOR HATCHING half price after June 1st. REMEMBER, JUNE is the month to raise the WINTER SHOW WINNERS.

ROSS SWARTOUT, Manager and Proprietor GEO. ROLT, Farm Supt. Box C NEWPORT, ONT., CAN. A. P. A. and Minorca Club Member

## Canada's Best Single Comb Black Minorcas

have proven themselves AMERICA'S BEST—which is the Best in the World.

Eggs for hatching—from the best pens of Single Comb Minorcas that were ever mated. Eggs at half price after May 15th.

T. A. FAULDS, LONDON, ONTARIO, CAN. PRESIDENT OF CANADIAN BLACK MINORCA CLUB

## PALMER'S WHITE ROCKS

Are grown on free and unlimited range—eight years of careful breeding has made them leaders as exhibition birds and layers. Eggs—\$5.00, \$3.00 per 15; \$10.00 per 100

SPECIAL SALE of BREEDERS in June. Send for prices and booklet

"The Glen" Poultry Farm - Box A - Fairport, N. Y.

## RICH'S ROSE COMB REDS

Bargains in Eggs, Baby Chicks and Breeding Stock

I have 18 pens of America's best breeding yards of Rose Comb Reds mated for the EGG trade this season. These pens are correctly bred to produce the very highest quality. Drop me a postal for my 1913 Mating List and large illustrated catalogue. It's free to Am. Poultry Jour. readers. A square deal is assured you.

D. W. RICH : 513 Vine Street : MT. PLEASANT, IOWA

## 1913 Rhode Island Reds

At Philadelphia, Cleveland and Pittsburg our Reds won thirteen firsts out of a possible fifteen. A record unbeatable.

Our Cockerel was champion bird at all three shows. A victory unprecedented in the history of Rhode Island Reds. This proves the quality our Reds possess. They are red to the skin. Send for free illustrated mating list, describing five of the best matings of Reds in the country.

Schenley Heights Poultry Farm 1202 Commonwealth Bldg., Pittsburg, Pa.

## CAMPINES

During May and June, the banner months for hatching eggs from this breed, I will offer eggs from all our pens as they run, in Silver and Goldens, at a 25 per cent reduction from catalog price. This will be a rare opportunity to secure eggs from winners at both Cleveland shows. I will also offer for July delivery my breeding pens, consisting of over 200 birds. I am prepared to quote amazingly low prices on single birds—pens or in larger quantities. If in the market don't fail to write for catalogue and prices.

In LEGHORNS I have a few open dates for May, and am offering chicks at \$10.00 per hundred after May 15

S. D. Hall : Box 78 : Seville, Ohio



recommend these particular features. They stand for success with poultry, and no man appreciates this more than does Mr. Cleveland.

#### COLUMBIAN WYANDOTTES.

Mr. Cleveland is particularly fond of Columbian Wyandottes and the record he has made with them assures us that he knows and understands them. If memory serves us rightly, he was one of the first to breed this variety. Years ago when we first met him he was their champion and today, seeing his birds again, we can well say he is still their champion and leader, for one can only succeed and breed the quality he has with a particular fondness back of it.

In the first pen seen was a cockerel of quality with extra head and a beauty neck, a well balanced bird in form and finely carried. In this pen was also seen the first New York hen; she also won the shape and color specials and special for best Columbian Wyandotte in the show. She was all we could desire in rich and rare quality. Another, a pen mate, won third at New York.

The next pen headed by first Atlanta cockerel; style and shape beautiful, tall and tail coverts as good as ever seen. Mates select and well chosen; wings extra fine. The third Atlanta cockerel, one of extreme beauty in hackle, extra fine shaped back and choice tail well spread. Among his mates are the first New York pullet and others of worth, all with the best possible blood.

The cock heading the next pen, while never shown, has proven to be a breeder of the highest quality and type. From one setting of this pen's eggs ten chicks were hatched that won at Trenton first cockerel, first and second pullet, first pen, cockerel and two pullets shown in the first pen, a total of six prominent winners from ten chicks hatched. He also is the sire of first New York pullet, 1, 3, 4, 5 Atlanta pullets, 1, 4, 5 cockerels and first pen complete at Atlanta, first pen at Passaic, N. J., etc. As mated this year Mr. Cleveland feels assured of greater results, if that is possible. His mates include first New York pullet of two years ago, second New York pullet last year, a winning hen of last year and two of his own pullets. This cock has what I believe is the best wing I have seen on a male bird.

Like the White the Columbians were a choice collection and in the best of condition. They are a line that commend themselves. Mr. Cleveland makes a specialty of selling choice exhibition and breeding stock. Eggs for hatching and baby chicks. He has converted himself from a busy city man to a poultryman and a farmer; in other words, from being one of New York's leading lawyers to the quiet and natural attractive life in the country, devoting his personal attention to the breeding of "Better Poultry," with the industry the gainer and richer by attracting such men and keeping them in the fancy.

Mr. Cleveland has been chosen to fill the position of secretary and manager of the Madison Square Garden, New York Show held so many years by Mr. H. V. Crawford; a great task surely. He is a man of ability, broad in mind and reason and with a host of loyal friends upon whom he can depend at all times. Mr. Cleveland well deserves the success he has made in breeding, for he has labored hard, long and intelligently, and knowing him as we do, we are assured he will add another and greater success as manager of the New York Show. We wish him well; he deserves it.—H. P. Schwab.

#### THE DICTAGRAPHIC HEN—NEWEST THING IN POULTRYDOM.

Feeding poultry at midnight by electric light in order to force fowls to grow and mature in less time was considered quite a stunt, but it isn't in it with the latest innovation, the Dictagraphic Hen. By the use of a Dictagraph it is possible today to have in reality "The goose that lays the golden egg," only she is a hen or any number of hens. With this wonderful invention the Dictagraph which already has startled the world at large, and is now about to cause a revolution in the poultry world, inasmuch as by the use of the Dictagraph it is possible to make a hen lay two or three times as many eggs as she would under ordinary conditions. Therefore with fresh eggs at 75 cents per dozen you can see a flock of Dictagraphic hens would bring their owner the "golden ducats" in goodly numbers and thus we would have in modern times "the goose that lays the golden egg."

Some truly wonderful stories are told about the Dictagraphic Farm of how the hens there are coaxed to lay an egg every day by means of the Dictagraph and sometimes as many as two or three eggs per day.

## Tolman's White Plym. Rocks

Baby chicks and eggs for hatching. When you order from Tolman, you get the best at a popular price. Eggs and chicks now ready. Circular and price list free.

Joseph Tolman -:- Dept. H -:- Rockland, Massachusetts

## Columbian Plymouth Rocks

The type I breed is the big boned Rock type. Winners at Chicago, New York, Philadelphia, Etc. Splendid matings. Eggs, \$3.00, \$5.00 and \$10.00. Circulars free.

F. M. Clemans,

Mechanicsburg, Ohio

## WALDEN'S BARRED ROCKS

Philadelphia, New York and Baltimore winners. I can please you with quality and price. Quality is my aim, with satisfaction assured. Choice breeding stock at right prices. If you want quality that will improve your stock I can supply it. Write me your wants.

R. J. WALDEN

Box A, Middleburg, Md.

## BUFF ORPINGTONS, BLACK MINORCAS

Now as the hatching season is beginning and you surely want to buy the best stock that you can get for the money, we will quote you a few of our winnings in four state fairs in competition with the large Eastern breeders.

**In the S. C. Buff Orpington Class**—At the Nashville State Fair we won: 1st hen; 2nd cock; 2nd pullet; 3rd and 4th cockerel; 3rd and 5th pen; 5th cock. Also a special premium on the hen for being the best in the fair. At the Alabama State Fair we won: 1st cockerel; 2nd cock; 2nd hen and 2nd pullet. At the Mississippi State Fair, one of the largest ever held in Jackson: 1st cock; 1st hen; 1st and 3rd cockerel. At the Louisiana State Fair we won: 2nd cock; 3rd hen; 3rd cockerel.

We have the nicest lot of S. C. Black Orpingtons which were not exhibited, this year.

**In the S. C. Black Minorca Class**—At the Alabama State Fair we won: 1st, 2nd and 4th cockerel; 1st, 2nd, 3rd, 4th and 5th pullet; 1st and 2nd cock; 2nd, 3rd and 4th hen; 1st and 2nd pen. Also a premium for best display of Aseatics. At the Mississippi State Fair we won: 1st, 2nd and 3rd cockerel; 2nd and 4th pullet; 2nd hen; 3rd cock, and 1st pen. Louisiana State Fair: 1st and 2nd cock; 1st, 2nd and 3rd cockerel; 1st, 2nd, 4th and 5th pullet; 2nd hen; 1st and 2nd pens.

This should be evidence that we have stock or eggs that you are looking for. We have the largest and best equipped poultry farm in the South. You do not have to go East for eggs for hatching season, taking chances on the climate where you can get them just as good for possibly less money. All our stock are free range. They are up to the standard in weight, type and color. Correspondence solicited. Day old chicks only when ordered.

Kenmore Poultry Farm - Maxey Lane & Gallatin Pike : Nashville, Tennessee

## BABY CHICKS



All free range stock and all hatched in our new latest Mammoth machines. This will insure nice, big, strong, vigorous chicks that will win for you in the next Fall shows. We make a specialty of White Leghorns and Barred Rocks. Our prices are very low, considering the high quality chicks we put out. This is our ninth season. Our capacity will be 40,000 eggs per hatch this season.

Order Direct From This Ad

	Per 25	Per 50	Per 100
Single Comb White Leghorns.....	\$2.50	\$5.00	\$10.00
Single Comb Brown Leghorns.....	2.25	4.50	9.00
Barred Plymouth Rocks.....	2.75	5.50	11.00
Rose Comb Rhode Island Reds.....	2.75	5.50	11.00
Broiler Chicks.....	2.00	4.00	8.00

Get your orders booked now and insure prompt delivery when wanted. Catalog free.

20th Century Hatchery - Box 73 - Chatfield, Ohio



Like all other wonderful inventions the Dictagraph is very simple, once you understand it and its application to poultry; is also equally simple, once it is understood.

Here is the way it is done. All the houses are connected by means of the Dictagraph, so that when a hen lays an egg her cackle is heard in every one of the houses all through the plant. It has been found that hearing other hens "cackle" has a great influence on the hen that is not laying, in that it gives her the desire to also lay. By use of the Dictagraph the cackle of every hen is reproduced as natural as life in each part of all of the other houses, so that the "laying idea" is given to each and every hen on the plant every time any hen lays an egg.

You can readily see that it is only natural that all the hens "get the habit" and it is expected in the course of a year or two that this influence will have been instilled into the hens to such a degree that it will become so well established as to become hereditary and the birds on the Dictagraphic Farm will be laying two, three and perhaps four eggs a day.

The Dictagraph has many other uses, for instance, it is a very efficient burglar alarm, when a door or window is opened the alarm is given and it is also a superior telephone system. At the Ridge Egg Farm it is installed in all parts of the plant and one can sit in the office or residence and hear just what the chickens are doing in any one of the houses.

Mr. K. M. Turner, the owner of the Ridge Egg Farm, is the inventor of the Dictagraph, the wonderful instrument by which a whisper in the room is repeated equally as loud at any point and a conversation can be heard without going near the instrument or holding a receiver to the ear; the words being repeated with equal volume at the other end of the line. This is the instrument that has recently resulted in the capture and conviction of many criminals.

Mr. Turner, like all brainy men, loves animals and particularly poultry. He is never so happy as when he can get out to his farm and work with his birds; in fact, he lives at the farm all summer in a tent and enjoys every minute of the time spent there.

#### WHITE LEGHORNS.

Mr. Turner's greatest hobby is eggs, nice large, white eggs and plenty of them. To this end he has been breeding his Rockland Strain of Single Comb White Leghorns and the results obtained are most gratifying. At the same time the exhibition points have not been neglected, for Mr. Turner is an old-time fancier and was taking prizes at Madison Square Garden 20 years ago. His cock Rockland 1st headed the second pen at Madison Square Garden in 1912 and he is all that any Leghorn fancier could ask for—snow white in color, grand in size, 5-point comb, fully sickled, low carried, well spread tail and a grace of carriage that is seldom equalled and cannot be excelled. He has produced a cockerel called Rockland 2nd, which is in every way his equal. To these male birds are mated many prize-winning females, classy birds, deserving of such mates.

#### SILVER CAMPINES.

Mr. Turner was one of the first to import Silver Campines into this country bringing over a pen of them in 1908, since which time he has bred and imported many choice specimens of these wonderful egg machines. His birds have won at such shows as Madison Square Garden, Grand Central Palace, Pittsburg and many other shows.

Mr. Turner knows how to breed poultry and he gives a hundred cents value for every dollar received. You can rest assured of getting your moneys worth. He has a large number of pens mated for the egg trade and has stock to spare at most any time. He is quoting special prices on eggs in his ad which appears elsewhere in this issue. Please mention American Poultry Journal.—C. W. Zimmer.

#### EGG-A-DAY STRAIN.

The "Egg-a-Day Strain" of S. C. Buff Orpingtons have been making a wonderful reputation as layers and also as winners of Champion Medals, Special Prizes, Silver Cups, etc. Mr. I. Brooks Clarke, the owner of the "Egg-a-Day Strain," issues a handsomely illustrated circular fully describing his matings and giving illustrations of his prize winners.

During the month of May Mr. Clarke will make a reduction of one-third off on all eggs for hatching, and during the month of June the price will be just one-half former prices. Anyone interested in Buff Orpingtons would do well to look up his ad elsewhere in this issue. Kindly mention American Poultry Journal when writing.

## CHERRY REDS ARE WINNERS

EGGS from four fine matings. Pens headed by 1911-12 winners. Do it now—place your orders for eggs at \$5, \$3, \$1.50 per 15 eggs. Do it now—drop a card for mating list.

ERNST F. BIRKHOLZ Single Comb Rhode Island Reds WILLOUGHBY, OHIO


## BARRED PLYMOUTH ROCKS

Acme strain Eggs from choice matings \$3.00 per setting, Express prepaid. Stock for sale, mating list on request  
ACME POULTRY YARD : C. A. GIFFORD, PROPRIETOR : RUSK, TEXAS

## BUFF ORPINGTONS

At the Great Northern Ohio Fair. I won first cock, second hen, first and second pullets, and second pen. My Orpingtons are especially bred for size, for winning prizes, and for egg production. They will not disappoint you. I have five grand pens mated for the egg trade. Get my mating list. It is free. I have a few more grand males for sale that are buff to the skin. Write your wants, I can please you.

CARL E. ROGERS :- R. D. No. 2 :- PAINESVILLE, OHIO




### S. C. BROWN LEGHORNS

**ONLY THE BEST — PRIZE WINNERS**

The kind of birds the fancier loves to raise. I won 1st on cockerel, 3d on cock, at the Boston show, 1907; 2d and 5th cockerel, 3d and 5th cock, 3d and 6th hen, Boston, 1908; 1st on cock, 3d on pullet, at Madison Square Garden Show, 1905; 1st on cock, 2d and 3d on cockerel, 1st on pullet, 1st on pen, and 10 special premiums at Chicago show, 1905, winning fifteen prizes on eight birds. At Chicago, December 1909: 1st and 2d cock, 1st and 5th cockerel. First cock, 1st cockerel at the Great Chicago Show, 1910. Chicago, 1911, 1st cockerel, 2d cock. A choice lot of show and breeding stock. Circular showing my winnings free. Write now. Address

**W. H. WIEBKE Box P 348 FORT WAYNE, IND.**



## "NO KILL—NO PAY"



One application of Licene will Kill every louse and 'nits' on your hens and Keep them free from lice for six months.

**INDORSED BY LEADING POULTRYMEN.**

Read what Mr. John S. Martin, the noted White Wyandotte breeder, says of Licene.

Gentlemen—I have given your Licene a thorough trial and I find it is all you have claimed. It is sure death to lice and no mistake. I will want more of it as soon as my supply runs out. Yours sincerely,  
JOHN S. MARTIN, Port Dover, Ontario, Canada.

**Price 50 cents (enough for 200 birds) postpaid. Sample Free.**  
We will refund your money if you are not satisfied.

**THE LICENE CO., DEPT. X .: PONTIAC BLDG. .: CHICAGO, ILL.**

## MAPLEWOOD POULTRY YARDS

H. W. HAYNER, SUPERINTENDENT : ATTICA, NEW YORK

Again sweep the deck by winning the two most coveted prizes at the big Batavia Show (over 1300 entries), Jan. 22d to 27th, 1913.

#### SILVER CUP FOR BEST MALE IN SHOW

(Won by 1st S. C. W. Leghorn Cock)

#### SILVER CUP EXHIBITOR WINNING MOST POINTS

13 firsts, 14 seconds, 13 thirds, 8 fourths, 4 fifths and other specials too numerous to mention. Why not buy stock, eggs and chicks from a Farm that has proved its superiority and sells at reasonable prices. Send for catalogue and mating list of S. C. W. Leghorns, White Wyandottes, Pekin Ducks, Indian Runner Ducks. Stock and eggs for sale. Baby Chicks a specialty. Send for list of Winnings at Syracuse State Fair, 1912, International Show, Buffalo, 1913.

## FELCH OFFERS

The product of his breeding pens of 1912 in Brahmas, White Orpingtons, White and Barred Rocks and White Wyandottes that seem better than any previous years output. Send for circulars and particulars. Mention A. P. J.

**I. K. Felch, Box 176, Natick, Massachusetts**



## OF INTEREST TO ALL POULTRY-MEN.

We recently informed our readers of the book soon to be published by the Cyphers Incubator Company, which gives reports of the successful poultry raisers in their \$1,000.00 annual prize contest. We have before us a copy of this book, and we are sure that anyone engaged in the poultry business will find it contains a mine of valuable information for them if they will carefully read the experiences herein given of these people, who have succeeded in all branches of the poultry business under widely varying conditions.

The evidences contained herein prove beyond all reasonable doubt that anyone by close attention to details, can make a success of the poultry business, no matter

where he is located, for the reports in this book come from old and young, from East, West, North and South, from breeders located on city lots, or located at a distance from good markets, etc., etc. We are particularly pleased to note that many of the winners were women, some of them unmarried women. Many of them started with almost no capital at all, in some cases \$5.00 representing the amount of the investment. The returns in some cases are almost phenomenal, averaging \$2.96 per hen profit; some even greater than that, and what has been done can be done again.

We suggest that every one of our readers send for this book, and read its pages carefully. We are sure that no one can do so without gaining valuable information that will assist in making your poultry business more profitable in the future than it has been in the past. A copy of this book will

be mailed to any address, but you are requested to send ten cents in stamps to cover the cost of mailing. Address Cyphers Incubator Company, Buffalo, N. Y., U. S. A.

## SUNSWICK POULTRY FARM.

We have before us a handsome catalog issued by the Sunswick Poultry Farm, South Plainfield, N. J., for the year 1913. Mr. Delafield says that he has endeavored to make this catalog an eye as well as a word picture of the Sunswick plant and the winning birds thereon. In looking over the many handsome illustrations contained in this catalog we agree with Mr. Delafield that he has succeeded in doing so. The photographs illustrate the buildings just as they are in reality, and the illustrations of the birds are typical reproductions of their prize winning specimens as they were found in the show room.

The Single Comb Orpington cock champion, Golden Crown, winner of five first prizes, including Madison Square and Boston, is an Ideal Buff Orpington, and a breeder of prize winners as well as a winner himself.

The book also contains many full page illustrations showing the type and quality of birds bred at Sunswick, where they are now making a specialty of Buff Orpingtons exclusively. Mr. Delafield has installed a mammoth incubator, and is prepared to fill orders for day old chicks as well as eggs for hatching.

They also have a large flock of Buff Orpington Ducks, which have been prominent prize winners in keenest competition in the East. The Orpington Duck is one of the money makers today, being very popular because of their great egg laying qualities.

This catalog is very instructive and very artistic, being printed in sepia brown, and should be in the hands of everyone interested in Buff Orpingtons. Their ad appears elsewhere in this issue. Please mention American Poultry Journal when writing.

## DISSOLUTION OF PARTNERSHIP.

We wish to call the attention of the Rose Comb Rhode Island Red breeders to the fact that R. F. Shelley has taken over the entire stock and assumes full control of the business formerly known as Maltbie and Shelley. It will be remembered that the flock of R. C. Rhode Island Reds formerly owned by Robt. Tuttle at the time of his death was purchased by Maltbie and Shelley and the writer has had the privilege of inspecting the pens after they were mated up and we assure you they were all birds of the highest quality, being all that any R. I. Red breeder could desire. This firm has enjoyed excellent trade during the past, having supplied many of the winning specimens at some of the largest shows in the country.

The pens this year are stronger than ever before and the price on eggs has been reduced. Under the new ownership of R. F. Shelley customers can be sure of prompt, careful and courteous treatment in every respect. Mr. Shelley issues a catalogue giving full description of his matings, prizes won, etc. Any one interested in R. C. Reds will do well to send for it. Kindly mention American Poultry Journal when writing.—C. W. Zimmer.

F. S. SMITH, HAMILTON, OHIO.

## SILVER WYANDOTTES

Ohio's Blue Ribbon Winners. They still lead as winners. At Cleveland with four entries won 1st pen, 1st and 2d hen and 2d pullet. Get your egg orders in early. A few breeders yet to dispose of. G. F. STEWART, COSHOCTON, OHIO.

## Columbian Wyandottes Silver Campines

Grand Columbian Matings from our Cleveland and Columbus winners. Our Silver Campines are the direct product of England's most noted winners, and American bred. We guarantee Good Hatchable Eggs.

C. L. PATTERSON (FREE CIRCULARS) BARBERTON, OHIO

## PARTRIDGE ROCKS

Erin Strain—Four grand pens mated for season's egg trade, including 1st prize winners at Atlanta, Ga., Pittsburgh, Pa., and Chicago. Write for show record and mating list.

W. O. LYLE & SON -:- GNADENHUTTEN, OHIO

## S. C. BUFF AND WHITE ORPINGTONS, S. C. BUFF &amp; WHITE LEGHORNS &amp; BUFF ORPINGTON DUCKS

Stock and hatching eggs from our New York, Baltimore, Philadelphia and Allentown winners. Send for catalogue.

Dunrobin Farm Box 177 Red Bank, New Jersey

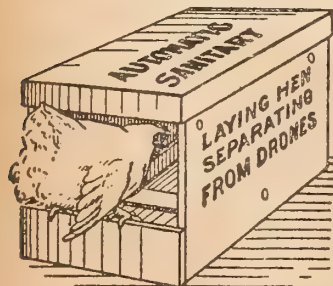
## EGGS BABY CHICKS—QUALITY EGGS

We can now take care of all orders for Eggs and Chix from 50 pens of our celebrated

## S. C. and Rose Comb White Leghorns

The home of best Rose Combs in America—Write for mating list

LILY WHITE POULTRY YARDS -:- LINCOLN, ILLINOIS



## Automatic Sanitary Trap Nest

Made of sheet metal, vermin proof, strong and durable. Requires no attention. Operated exclusively by hens, separating layers from drones. Cheapest, best, simplest. Write for free booklet or agency.

AUTOMATIC SANITARY TRAP NEST CO., DULUTH -:- MINNESOTA

ALBEMARLE-HOFFMANN  
NEW YORK

A new modern hotel representing a Five Million Dollar investment on the site of the former Hoffman House.

Broadway, 24th St., Fifth Avenue

THE ACME OF ARCHITECTURAL PERFECTION  
LOCATED AT THE HUB OF NEW YORK'S GREATEST BUSINESS.  
OVERLOOKING MADISON SQUARE.

Accommodations for 1,000, offering maximum luxury and comfort at much lower rates than offered in any other Hotel in America, consistent with highest class service.

A GOOD ROOM AT \$1.50 PER DAY  
A GOOD ROOM, WITH BATH, \$2.00 PER DAY

Handsome Apartments of any number of rooms at proportionate rates. The Management is a guarantee of the highest refinement and protection to ladies and families.  
DANIEL P. RITCHEY.

We are pleased to receive word from Mr. Smith, the well known breeder of S. C. Buff Leghorns, that while he lost considerable by the flood which recently visited Ohio, that he is still on top and doing business at the same old stand. He lost some of his breeders and all of his incubators were ruined, including 5,000 eggs partly incubated, but he came through with 1,000 fine breeders left and is still prepared to supply eggs for hatching, as Mr. Smith had already hatched 3,500 youngsters for his own use, which were on other farms. He will make a special reduction of one-half price on eggs after June first, and will have thousands of eggs to spare at \$1.00 per 15 or \$5.00 per 100. Anyone interested in Buff Leghorns will do well to take advantage of this opportunity and secure some of Mr. Smith's prize winning strain of Single Comb Buff Leghorns at one-half his former price. You know Buff Leghorns mature very quickly and eggs hatched in July will mature in time to be laying before the breeding season next year.

Mr. Smith has a reputation for square dealing and you can rest assured that any order will receive prompt and careful attention, if placed in his hands. His ad appears elsewhere in this issue. Please mention American Poultry Journal when writing.



## WILLIAM BARRY OWEN RETIRES FROM BUSINESS.

Owens Farms Sold to Maurice F. Delano.

Having been identified with the poultry business for a number of years and having had the confidence of the people generally, I feel it my duty, as well as my pleasure, to tell the poultry fanciers of the United States my reasons for retiring from the poultry business; to thank them for the warm support and patronage which they have extended to me in the past, and to say a few words about Maurice F. Delano, who has succeeded to Owen Farms' business.

A number of years ago when I retired from active business it was after many years of the hardest work of my life. I was at that time very much run down in health and far from feeling able to do the kind of work and the quantity of it that I had been doing in the past. Retiring and coming to Vineyard Haven, which was my native home, I took up the breeding of poultry which was, as I have said many times in the press before, a hobby of my youth and because I loved thoroughbred poultry and took great pleasure in breeding the best that could be produced. Little did I think at the time I entered upon the work how fast it was going to grow and that Owen Farms was destined to build up flocks in the most prominent varieties of poultry that were second to none in the country, and that a business would flow from it as great and perhaps greater than any fancy poultry business has ever attained. Our last year's business was over \$80,000 cash in the mail.

Unfortunately, however, the enthusiasm for the business grew and before I knew it I had put so much time, thought and hard work into it that, instead of serving as I wanted it to serve, as a pastime and pleasure, it came to be work beyond my strength. I therefore have had to face the situation and with great regret make up my mind that I must retire from active work. Perhaps the pleasantest hours of my whole life I shall always recall as the hours spent in the development of the fancy poultry business of Owen Farms. And I want to take occasion right here to thank the thousands upon thousands of people all over the United States who have entrusted us with their money and to whom we have tried our utmost to render the very best of service, complete return for their expenditure with us, and to win from them that most cherished of all expressions, "I am satisfied."

I herein announce to all those friends and to all interested in Owen Farms that I have sold my complete flocks of all birds just exactly as they have been mated this year and just as they are at the present time to Maurice F. Delano.

Maurice F. Delano needs no introduction to those who are at all interested in fancy poultry. He has been the manager of Owen Farms since its inception. He has been a judge of every large show nearly in the United States. Has been serving as an officer of nearly all prominent special club organizations. Has the reputation of being without a peer as a poultryman, honest, enthusiastic and tireless in his endeavor to satisfy everyone with whom he deals. You can well know how gratified and proud I am to pass over Owen Farms' business to such a man.

I am also further pleased to announce that Maurice F. Delano has leased the entire facilities of Owen Farms, including all of their houses, yards, brooders, and in fact every individual portion of their equipment, and that the business will be conducted with the same birds, the same farms and the same advantages that Owen Farms have ever possessed. I am glad to state that during the whole existence of Owen Farms William Barry Owen's policy has been Maurice F. Delano's policy, and that Maurice F. Delano's policy in his management and running of the business has been William Barry Owen's policy. I cannot say this too enthusiastically or too forcibly. The consequence is that the policy of making a great and good business founded upon absolute fairness and justice to all will be carried on, I am sure, by Maurice F. Delano with perfect continuity.

I am also authorized to state that Frank H. Davey, who has been with Owen Farms so long, who was once the head of Grey-stone Farms at Yonkers, and than whom the world knows no better poultryman, judge or man, will continue with Maurice F. Delano as his superintendent, and Mr. Delano will also retain practically all of the other members of Owen Farms' force.

proprietor that he will be more than glad to receive a word from any and all customers of Owen Farms during the past, and also to say that any Owen Farms' customers can write to him fully, frankly and freely concerning anything they may have in mind, and they will have the same generous, courteous consideration and treatment that I believe they have hitherto always received.

I sign myself still yours for more and better poultry.  
Wm. Barry Owen.  
Vineyard Haven, Mass., April 10, 1913.

## A VISIT TO THE SIMPLEX FARM.

In the December issue of Poultry Pointers, I wrote at some length about what I had seen at Simplex Farm, which was then known as the Husted Poultry Farm, of the work that was being done with the Simplex Brooder Stove.

I have since heard so much about what was being done, and have had so many

out. These chicks, of course, were weak to begin with. The mortality of but 3 per cent is astounding, when you take into consideration the fact that eggs were two days late in hatching. All things taken into consideration, I do not or cannot see why anybody should wish to continue in the old way. To say that the Simplex System is a wonder is putting it lightly.

On the day that these chicks were seventeen days old, Mr. Monroe informed me that there were five of them that went to roost on roosts which were placed across the corner of the brooder room, and stayed there for the night. Since they are doubling up very fast, and at the age of five weeks it is safe to bet that 50 per cent of these chicks will be roosting. We are informed that the roosting is the least of the troubles with the chicks raised around a brooder stove, as they go to roost early, and there is no trouble teaching them, for they naturally take to the roost. These chicks, at the age of twenty days, were of the size



"doubting Thomases" question the truthfulness of the published account, that I decided to investigate closely and dropped into the farm unannounced. What I am about to say is what I saw, with my own eyes, and am willing to more strongly endorse the Simplex Brooder Stove as being the only satisfactory means of raising little chicks.

In the first brooder I found 1,239 chicks in one lot around one brooder stove. These chicks at the time of my visit were twenty days old. The mortality record, which is kept on the wall, showed a total mortality of forty-one chicks out of the astounding number of 1,239 being brooded in this manner. Mr. Monroe, the farm manager, informed me that there were 125 chicks in the lot which were very weak when placed in the brooder, as they had come off in a mammoth machine, and not being familiar with the operation of same, the eggs did not receive the proper amount of moisture, and quite a number of them died in the

of any Leghorn chicks I ever saw at the age of five or six weeks. In fact if I did not know and did not see the dates and records, it would be hard for me to believe. With everything in the condition that it was in, I could not help believing what I saw.

This stove is being operated on a consumption of two and one-half gallons of low grade refined kerosene in twenty-four hours, which is delivered to the farm at a cost of eight cents per gallon, making a total cost of twenty cents per day for fuel to care for 1,200 chicks.

I then went from there to the office of the Simplex Brooder Stove Company, and saw Mr. Husted, who showed me a number of letters which he had received from customers. Such letters as these should be evidence to every line poultryman that the quicker he gets a brooder stove in operation, the quicker he will begin to triple his profits, save his back from the laborious



ers, and on top of it not have that heart breaking mortality.

The Simplex Brooder Stove outfit consists of the complete stove, containing one solid cast-iron burner on legs surrounded by an iron container, one heavy sheet steel radiating drum, one heavy sheet steel deflector on top, one tee elbow of heavy sheet steel, sufficient one-fourth inch pipe with elbows and all connections necessary, one fifteen-gallon galvanized heavy sheet steel oil tank, one thermometer, and one Simplex Automatic oil regulator.

Mr. Husted informed us that the Simplex Company were arranging to put in use an automobile which will leave the office daily at 10 a. m. and 2 p. m. Patrons who are interested in the brooder stove and wish to see the same in operation can either call at the office or arrange by telephone and the auto will take them to the farm and show them exactly what I saw. Orders for the Simplex Brooder Stove should be placed as far in advance as possible.

R. C. Saunders.

### MAKING THE MOST FROM POULTRY.

This is the title of a book issued by the Robert Essex Incubator Company, Buffalo, N. Y., which is filled with testimonials praising the Essex Model Incubator and brooder by breeders from all over the country. These testimonials came entirely unsolicited by the Essex company and furnish undisputed proof of the value of the Essex Model Incubator as a hatching machine in the hands of the average poultryman. They also testify as to the vitality, vigor and size of chicks hatched in these machines.

### For Sale at a Sacrifice

the entire stock of prize winning Partridge and Buff Cochins and Buff Laced and Golden Polish chickens of the late Dr. H. F. Ballard.

Mrs. H. F. Ballard :: Chenoa, Ill.

### White Diarrhoea!

Tablet No. 3, a guaranteed cure or money back. J. C. Fishel says, "It does the work." Tablet No. 5, a sure preventive or money back. Big box of either 25c, both 40c.

Nabob Remedy Co., Box 1, Gambier, Ohio

### Golden Wyandottes

At the great and noted Boston Show Jan. 1913, I won on Golden 1st display; 1, 2 and 4 cock; 1, 4, 5, and 6 hen; 1, 4, 5, and 6 cockerels; 1 and 5 pullet; 2 pen and a lot of specials. I have a fancy lot of stock for sale, but no eggs this season. Please mention A. P. J.

LOREN H. BROWN

Lock Box 16 Lunenburg, Mass.



### R.C. MINORCAS

First prize winners New York, Chicago, St. Louis and elsewhere. Trap-nest bred for egg production. Stock and eggs for hatching, at all times. Catalogue free

You know it is not only necessary to be successful in getting the chick out of the shell, but it is equally important to hatch chicks that will live to grow to maturity.

It is certainly very pleasing to any firm who are manufacturing a good article to receive such congratulatory letters testifying to the results obtained, especially when these letters come entirely unsolicited, as they have in this case. The Robert Essex Incubator Company manufacture a complete line of poultrymen's supplies which are fully described in this book, and it should be in the hands of every poultryman. It is free for the asking. Address Robert Essex Incubator Company, Buffalo, N. Y. Please mention American Poultry Journal when writing.

### OLD ACRES FARM, FOXBORO, MASS.

### "Tabasco Strain" S. C. Rhode Island Reds.

The "Tabasco" Reds, as the name well implies, are a very hot line, in fact red hot, for during the seven years that we have known them, they have been coming along fast and have made their quality felt and respected by all breeders of this popular breed and variety. Their winnings at Madison Square Garden, New York, and Boston, particularly during the past four years, form a record of extra value with ample proof of this strain's quality.

During the past three years at New York and Boston shows they have on cockerels alone won five (5) of the possible six (6) first prizes, a record of greatest merit and unequaled. Besides this they have won other prizes of value at both of these exhibits. At this writing we haven't their complete record, but we do know that at the last Madison Square Garden New York Show they won, including first prize cockerel, also first and second pens, and at Boston, 1913, first cockerel and second pen with two entries. For all the years they have been exhibiting they have been consistent winners. Year by year they have improved their stock and their records and promise to do so for some time to come. The strain that improves has blood and line value in it assuring breeding quality. Herein lies the breeder's best hope for success, as all other values are second to real breeding and reproducing quality, and this in particular is stronger and of greatest value in Reds and parti-colored varieties.

The Old Acres Farm is but twenty miles from Boston and in a section noted for its climate and its successful poultry breeders; in fact this whole state seems particularly adapted to choice poultry raising. That the Reds thrive here is very evident from what we have seen. The plant is large and convenient, and the birds in rare condition. It is a plant built for business and run on principle and we feel assured that all who deal with this firm will receive value and satisfaction.

The owners, Mr. W. C. Stephens and Mr. A. U. Dilley, have made a careful study of the breeding questions as well as of the general poultry conditions, and having made a pronounced success of both, we are pleased to commend them.

Their matings this year form a beauty collection. Type with beautiful head points and the brilliant red color are the features. Here are thirteen (13) pens of birds mated and headed by New York and Boston winning males; they are leaders and in a class by themselves, for half of them are first prize winners in the cockerel and pen classes.

We believe that our readers well know the quality required to win at Madison Square Garden, New York, and Boston. It is presumed and no doubt a fact that the best birds produced are shown at these exhibits yearly and when we again refer you to the records this line has made at these exhibitions, you will understand that some of the best and most valuable Reds ever seen are here on the Old Acres Farm and in those thirteen pens.

The old, old saying that "Blood Tells" is evident here in rare and evenness of quality. The birds are uniformly mated with similar character; the females alike and selected for their worth and line; the pens contain each from six to ten females; each bird is where it should be, for the slogan is ever improvement, and quantity has no consideration. In the females as in the males type closely followed by color are the prominent features noted: good head points, eyes, wings, tails, etc., all go to make this line one of high merit and substantial worth.

In pens 14 to 17, inclusive, we found particular interest, but very few of these birds have been shown; they have had no opportunity to make a record, and that is

males and a choice lot of females; the matings made with greatest of care are sure to produce some of their best birds. They are of the same blood lines as their New York and Boston winners and in every particular quality birds.

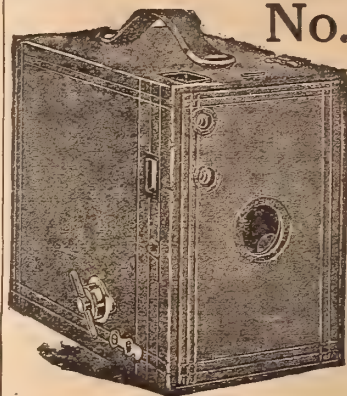
It is well that this is proving to be "Old Acres" banner year. They have both quality and quantity to supply all demands. Fertility is proving very strong, and the stamina and vigor of the line is seen to advantage in the 600 chicks now out. These youngsters are coming fast and give promise for the future. The past records of the "Tabasco Reds" is safe in their keeping.

We were very much delighted with all to be seen there. The plant is complete; the birds in both old and young all we could desire, and they are ready to give the best of attention to all their patrons in exhibition birds for early and late shows, for they will have finished birds in August. Exhibition and choice breeding birds. Baby chicks and eggs for hatching are what they offer their customers.

The poultry houses are of the fresh air, open front plan, with pens 10x16 feet and ten acres of land to run over. Their largest house is 300 feet long, the balance in colony houses. They have 2,300 egg incubator capacity. We hope in this or in our next issue to show pictures of their birds and plant.

Wherever we have gone in our travels

## BROWNIE No. 3



PICTURES  
3 1/4 x 4 1/4

PRICE  
\$4.00

You can make good pictures with a Brownie Camera.

Made by Kodak workmen in the Kodak factories, the Brownies are efficient, durable, practical. Made on the Kodak plan, they are simple.

Take for instance the No. 3 Brownie. It is substantially made in every detail. Though it makes 3 1/4 x 4 1/4 pictures, no focusing is required. It's always ready. It has a carefully tested meniscus achromatic lens; is fitted with the Eastman Rotary shutter for snap shots and time exposures, and with a set of three stops. There are two finders; one for vertical and one for horizontal exposures, and two tripod sockets. It loads in daylight with Kodak film cartridges for four, six or twelve exposures. The covering is a tasteful and durable imitation leather, the metal parts are heavily nickle-plated. Price, \$4.00.

With a Kodak or Brownie no dark room is required for any part of the work—loading, unloading, developing or printing. You can readily finish your own pictures or can safely send the film cartridges by mail to a professional finisher.

You can make good pictures with a Brownie.

Catalogue free at your dealers, or by mail.

EASTMAN KODAK CO.

418 State Street ROCHESTER, N. Y.



we have heard words of the highest praise for this farm, its owners and its stock, and we now can understand the reason for all. They are the kind of breeders we have confidence in, for they deserve their success. They now have about fifty cockerels for sale on which they make a special price and a combination offer that it will be well for the breeders to look into, for from what we know of this line "Tabasco Strain" blood is a good thing to have around—a good investment.—H. P. Schwab.

D. W. YOUNG, MONROE, N. Y.

We have often asked ourselves, and have heard the question fully debated, "What would the Leghorns have been today if there had been no Dan Young?" To our mind there is no question but that our present-day Leghorns are due entirely to Mr. Young. Their type and size as well as their quality and popularity are due to him; he is their champion and their maker, for he brought forth his beauties which were accepted models for all to breed to. From his boyhood and with his father before him the improved Leghorn has always been the question and the stock seen at his home today is the result of over sixty years of continuous breeding, study and effort.

From a very crude article with a short

## SILVER WYANDOTTES

First prize winners. The sensational first prize cockerel at Cleveland heads best pen. Stock and eggs at right prices. R. D. OWEN, CRESTON, OHIO

## MILK-FED CHICKENS

Blatchford's "MAMMOTH CHICK" MILK MASH Equal to Milk, at half the cost—The Baby Food for Little Chicks. At your dealers, or write Blatchford's Calf Meal Factory, Waukegan, Illinois

## S.C. BLACK ORPINGTONS

12 years of successful breeding and exhibiting. Mating list on application.

Herrick Poultry Farm, Geo. H. Herrick, Prop., Bancroft, Mich

## WHITE WYANDOTTES

Have several very choice cockerels for sale.

W. S. COBB, UNION BANK BLDG., JACKSON, MICH.

## R. I. REDS, BOTH COMBS

If you are looking for quality show birds or good breeders, buy of the man that produces them. Eggs \$5 a set or 3 sets for \$10, charges prepaid. After June 1 stock & eggs half price. B. M. Billings, Box A, Oberlin, O.



## THE "SIGNET"

ALUMINUM LEG BAND

Adjustable. The band that stays on. Price postpaid 12, 15c; 25, 20c; 50, 35c; 100, 60c. Send stamp for sample.

W. J. BALL, SALEM, OHIO

## BABY CHICKS AND EGGS

Orpingtons; Single, and Rose Comb, White, Buff, Black and Single Comb White Leghorns. Orpington eggs, \$3. per 15; \$12. per 100. Chicks \$25. per 100.

J. S. HAUPT'S FARM - BOX 96 - EASTON, PA.

## Poultry Flats

A 64-page book that is a spellbinder for you. The new and easy way to raise poultry. Nothing like it elsewhere. This book is free with a year's subscription to the Inland Poultry Journal, which is only fifty cents. Send today.

INLAND POULTRY JOURNAL  
21 CORD BUILDING :: INDIANAPOLIS, IND.



## Lakenvelders

the everlasting layers and sensational beautiful fowl.

Write for price list on eggs.

Winners at Chicago Dec. '12

Frank Myers Box 92 Freeport, Illinois

## Raise 90 Per Cent Of the Chicks

With a Nu-Rinkle fireless brooder, no smoke, no fire, no smell, no danger, no worry, no expense, quit the old expensive lamp method, save time and money and raise the chicks. One brooder, freight paid east of Rockies, \$5.00, 4 for \$18.

back and shorter body, a high tail, short thin neck and monster comb, to the Leghorns of the present day, is a long step forward and when we consider the sixty years of labor it also becomes a costly one in that one sense to this party, but the results are here; they are evident the whole world over, and every country and every people have been benefited by the work of this man. His work and his name will live forever and in time to come will more than now be appreciated, although we all love him for what he is and for what he has done for the poultry industry and his fellow man.

We lately spent a day with Mr. Young at his home and after looking over all his stock and plant, he asked for our opinion of his birds, as seen, to which I replied, "Mr. Young, put all your birds in one coop, blindfold me and the first bird I catch I will hold up and can claim I have the best Leghorn in the world." We have seen this line yearly for the past five years and we have each time written of their beauty and value; still we are free to say that the general improved stock seen there now surpasses all expectations. We believe in the reply made to Mr. Young, for such stock and such a line warrants it fully. They are not all first prize New York winners, but they are the line that for fourteen or more years have produced the greatest winners at all the greatest exhibitions. Their individual value may be worthy of either a blue or a red or probably less, but their blood and line quality has for so many years reigned supreme that it offers the positive assurance of there being "None Better."

Here are pens after pens headed by first prize winning Madison Square Garden New York males and others of their line and of equal worth, for the records show that for many years this line has been a constant winner and almost without interruption has won the highest honors at America's greatest shows. Time and time again he has won all prizes offered in different classes, and this on both males and females alike. From first to last these pens were a magnificent collection, the "Young" type evident in all, the males with their wonderful backs, broad and long in saddle, full rounded breasts and the neat low and strong set combs, and last but not least the long feathered tails, full and grandly carried, give them the trim that so long has been the feature of this line.

There is method in these birds and in their quality. They have been bred up to the highest ideal type that nature intended for them and at which they are at their best from every viewpoint. This shape and size fits them perfectly, for it has made possible their laying qualities as well as their quality for early maturing, quick growing with plumpness reserved with vitality and vigor for which they are famed.

Mr. Young has given in his mating list this year a very careful description of each pen and the records of the birds used, to which we would refer our readers. Most of the males used here we have before described at their winning date and it was a pleasure to again go through these pens and handle those "Princes of Quality" whose records are history. Just how Mr. Young keeps his birds in the condition he does we can only guess, but it is a fact we did not see a frosted comb or damaged wattles or lobes on the place. In color they are naturally snow white, in full feather and in show condition right now in the center of the breeding season.

Here was one cockerel mated, a bird never shown, that is to our mind the peer of all Leghorn males ever seen. He carries himself grandly, simply can't get out of the ideal no matter in what position you see him. We walked around him for half an hour and the longer we looked the more we admired. He has all that we imagine any Leghorn can have, and when you can see such quality carried to perfection, we can well ask ourselves if a positive ideal will ever be had. That cockerel has it nearer than we ever hoped to see it, and we do hope we will never be asked to score that bird unless every judge and breeder could see him at the same time.

Back of that bird and back of all this line are the years of study and labor. We can today see the result and it is worthy of the effort. We are all benefited by it and we can only in a faint way imagine what a satisfaction it must be to Mr. Young himself to know that the results of his labors meet with the general approval mainly because they have made the general success possible. No man has worked more successfully nor has done more for the general welfare of an industry than has Mr. Young for poultry and we are not going to wait until he dies to tell the world our opinion of him and his work and we are glad to add he is meeting with the success

buildings, which are of the best and very complete; also of his farm and location, with an ideal climate and conditions and his beautiful home. All these are parts of his success and he appreciates them. We hope he may live long to enjoy them, which would also insure greater success and greater possibilities for poultry in the future. We look to "Dan" Young with confidence, and will hope that one of these days he will tell us in his own way his mode of line breeding that has made the "Young Strain" all that it is and the full results of his feeding experiments, all of which he has unraveled properly, which is proven by his results. Yes, we can all learn from him, for he has proven himself a master, having "Done Things."—H. P. Schwab.

## ROBISON'S QUALITY BUFF ROCKS.

One of the most successful breeders of Buff Rocks is W. S. Robison, Fayette, Mo. The Buff Rock is one of the most practical and profitable varieties we have. Buff is a popular color, being admired by all, and any solid colored bird is easier to breed than a parti-colored variety. The Buff Rock is a good layer and unexcelled as a table fowl.

Mr. Robison has been winning the lion's share of the blue ribbons in keen competition for the last nine years. We assure our readers of a fair deal from him. His ad appears in this issue. Mention American Poultry Journal.

## A FREE SAMPLE COPY.

Of the Reliable Poultry Journal, one of the most practical poultry papers published, will be mailed upon receipt of a postal card request. A 4-months' trial subscription will cost you only ten cents. Stamps are acceptable. Address Reliable Poultry Journal Pub. Co., Box E-13, Quincy, Illinois.

"How to breed and feed Buff Dottes." Elegant and instructive Text book, only 20 cts.

## ROCKY RUN FARM

Box 50 :: Northfield, Ohio

## DON'T HATCH EGGS!

Buy day old chicks, stronger chicks, bigger chicks, better chicks, that's what our customers all say. 3,000 chicks ready for delivery weekly. We offer now: 50 Barred Plymouth Rocks for \$7; 100, \$13. 50 White Rocks, \$8; 100, \$15. 50 White Leghorns, \$8; 100, \$10. 50 R. I. Reds, \$8; 100, \$15. 50 White Wyandottes, \$9; 100, \$16. 2,000 W. Leghorn Pullets, 10 weeks old, \$1 each. Buy now, don't wait. We ship chicks when you want them. We guarantee our chicks. Send money order, registered letter or New York draft. Cloverdale Poultry Farm, Ransomville, N.Y.

## SEE THIS NEW

## Poultry Band



The Kind That's Different

Write for free sample of Stevens colored and numbered band for poultry (state your breed of fowls so we can send the correct size). This band is revolutionizing marking. Made of aluminum and celluloid. Made for baby chicks and pigeons. Free catalogue giving full particulars and prices.

F. A. MARSHALL

302 Bancro Ave., - Reading, Mass

## Best ROUP Preventive



### Try It at Our Expense

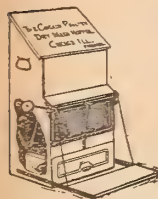
We will send you a sample bottle containing enough to satisfy you that B-K is the best preventive and remedy for roup, cholera, gapes, white diarrhoea and other germ diseases.

10 Times as Powerful as Carbolic Acid

Colorless, Non-Poisonous Germ Destroyer and Disinfectant

Easy to Use Just put a few drops in the drinking water and sprinkle floors, roosts, coops and nests with a dilution of B-K. It solves your poultry disease problem. Does not cause hens to drink less or slack up in laying. Cost is trifling. Write for sample. (23)





## The Chicago POULTRY Hopper Dry Mash

is all galvanized iron, is non-waste, rat, sparrow and wind proof Hoppers. Price \$4.50 to \$6.50. Send for free folder.

**GEO. L. POH**  
2160 Lincoln Ave., CHICAGO



## MADISON SQUARE WINNERS

Over 42 Prizes Won in the Garden—December 1912, winners in Philadelphia.

**R. and S. C. Brown Leghorns**  
242 and 240 Big Egg Strains

**R. and S. C. White Leghorns**  
244 and 236 Big Egg Strains  
27 years breeding these large strains. No better strains in the world.

**White Wyandottes**  
Duston and Regal strains. They are of finest quality. Cup winners.

**Barred Rocks (Bradley)**  
Many firsts.

**S. C. Reds (Tompkins)**

**White Orpingtons (Kellerstrass)**

Be sure and send for catalog. Eggs, \$2, \$3 and \$5.

**W. W. KULP, Box 70, Pottstown, Pa.**



The Fishel Type White Runners

# The Best — IN — White Runners

have for the past three years been produced by us. The Winners at most all the leading shows for the past three years have come direct or indirectly from our yards. Our Ducks have won the leading prizes at New York, Hagerstown, Knoxville, Great Appalachian Exposition, Indianapolis, etc.

If you want the Best in White Runners, write us, please  
Eggs \$8 per 12, \$15 per 30, \$40 per 100

**Mrs. U. R. Fishel, Box A, Hope, Ind.**

## DUSTON'S WHITE WYANDOTTES.

There are but few if any names better known to poultrymen than that of Mr. Arthur G. Guston, So. Framingham, Mass. As a breeder and judge his work has brought him before the people and his success an example of what poultry possibilities are. True, his advertising has also been prominent and in this he has also demonstrated poultry pays when business methods are used and the confidence of the public attained by fair and honorable treatment to all.

We have visited Mr. Dustin several times in the past and have each time seen better birds and better matings than we expected. With all this we are free to say that this year he has far better birds and pens than ever before. He in his matings banks on general quality and not on special features. He wants strong, sound birds all over, not alone in any one particular; and this kind of selecting and breeding has always proven the safest to rely on; it insures the best of general quality, good all-around specimens.

The matings as usual are small. No fillers are used: evenness of size, shape and finish is seen in all. Combs just alike and very neat, and in all rich red eyes. Strong colored eyes and legs with positive white plumage are here combined to a wonderful degree.

The males as well as the females resemble one another; there are no extremes and it is this rich evenness that to our mind adds value to this or any line.

Mr. Dustin is having deservedly this year one of the best seasons he has ever had in his long years as a breeder. He has the birds and the prime quality to serve out and well deserves all that is coming. With his beauty pens and with a big egg demand he is sure to add many new notches to his string of fame. We were greatly pleased with all seen here in stock and the business line. Mr. Dustin is a worker and gives his personal attention to all details.

Mr. Dustin, besides as a breeder, is in great demand as a judge. His work at the last Boston show was commended by us and others and particularly by the exhibitors; when the losers commend the judge we can assume his work was done right, and let us also add that we admire such exhibitors.—H. P. Schwab.

## ROCKANDOTTE ROCKS AND WYANDOTTES.

Mr. and Mrs. W. R. Graves, Southboro, Mass., have for years specialized the White Plymouth Rocks and White Wyandottes and have made a reputation and business probably second to none in this country. By extensive exhibiting at the great fall and winter shows and by selling birds that have won has placed their "Rockandotte" in the front ranks of popularity.

Our acquaintance with Mr. and Mrs. Graves dates back many years. It is one of the kind we admire and as time passes we are even more strongly assured that breeders of this stamp will deserve all we possibly can do for them. They have faced and met the conditions confronting those starting alone and have won their way, which surely proves the value of their work and line and their fair and generous treatment of all customers.

To review the record of their line at this time is hardly necessary, for we would refer you to our reports of the late Madison Square Garden, New York, Boston and other exhibits of this and last season. They have entered at the best and have always made a record and showing of credit to any breeder. Their first pen of White Rocks at the late Boston Show was the feature of the exhibit and they have won this same distinction at New York, Baltimore, Chicago, Pittsburg, Memphis, Nashville, Atlanta, etc., while birds of their breeding have been just as successful in the hands of their customers.

This season they have an unusually fine set of matings in both their varieties which promise well for the future. They contain their great winners and birds of equal blood lines mated with skill and for quality only. They sell eggs without reserve from their matings which will assure the success for the buyer. Space and time will hardly allow us to describe the matings as we would like, but we have written them up before and our readers well know what they can expect from this line.

Their White Rocks have the best of size and form, well carried and of sound positive white color. There is no coarseness to their make up, but large frame, well filled and extra full and low carried tails. Combs and eyes seem to be a line feature and one of extra value as found here.

share the favoritism of both Mr. and Mrs. Graves. It is from beauty to the sublime for the White Wyandottes, aside from their well known practical worth, have when seen at their best form a make-up bound to attract the eye and to create a desire. Their curves with plumb bodies endears them to all, while their style is simply magnificent.

Both the White Rocks and White Wyandottes have the practical quality which assures poultry success and this line particularly combines those with standard qualifications of highest merit. Mr. Graves' record of years is back of them, which is the very best recommend we can give to them, for he is known the country over as one of our most successful breeders and one of our best poultry judges. In this we must also give credit to Mrs. Graves, for she like her husband has made a record both as a breeder and judge of which we all are very proud for such proper stand for the uplift of the fancy and for better poultry all the time. Write for their circular and any information. Improve your stock with "Rockanotte" eggs.—H. P. Schwab.

## BETTER MASH FEEDER.

Poultrymen agree that one of the essentials in scientific feeding of fowls to produce rapid maturity and proper egg production is a device that will keep a supply of dry mash in reach of the fowls at all times.

The problem has been to devise a feeder which will supply the mash conveniently and at the same time protect it against waste and keep fowls from scratching straw and litter into it.

This problem has been solved by the "Perfection" Feeder, on which patent is pending. This ingenious feeder consists of a pail-shaped hopper supported on cross-pieces above a deep pan. As the hopper has a handle, the entire feeder may be suspended by a cord or wire in the poultry house, high enough to keep it free from straw or litter and safe against rats—yet within reach of every fowl. For further information regarding "Perfection" and "Champion" Feeders, write to the manufacturers, the Poultry Appliance Co., 959 16th St., Milwaukee, Wis.

## ORPINGTONS

Eggs for setting. Four pens S. C. Buff Orpingtons, utility and show. Are hatching strong and 75% in Feb. One pen S. C. White Orpingtons, Pheasants and White Embden geese. Send for circular.

**JENNIE MILNER, NORMAL, ILL.**



## COLORLED LEG BANDS

Big Black Figures on White Background.

All colors, all sizes, for all fowls, and pigeons. Birds identified without handling. Saves time and labor. Very durable and practical. This is a modern 20th century band, everybody likes them. Baby chick bands, 18 colors, not numbered. Samples and catalog 2c stamp. Mention A. P. J.

**A. P. Spiller : Dept. A : Beverly, Mass.**

## S. C. BUFF LEGHORNS, 22 YEARS COLUMBIAN ROCKS, 8 YEARS

Prize takers. They please the buyers.  
Stock and eggs for sale.

**J. Quincy Dawson :- Coshocton, Ohio**



**HERE IT IS FOR \$4.00**  
A Great Big Hand Grinder that will give its cost several times a year and will furnish one to two bushels per hour of fresh ground corn, oats, peas, dry bone, oyster shells, etc., for poultry feed. A child can operate it. Shipping wt. 40 lbs. We also build a full line of POWER FEED MILLS, SAMSON WIND MILLS, GASOLINE ENGINES. Ask for catalogs.

**Stover Mfg. Co., 318 Plymouth St., Freeport, Ill.**

## SILVER WYANDOTTES

**THE BEAUTY & UTILITY BREED  
THE BEST WINTER LAYERS  
STOCK FOR SALE AT ALL TIMES  
NO EGGS NOR BABY CHICKS**

**A. F. TARRY BOX A, YORKVILLE, ILL.**



**SKYLANDS FARMS, STERLINGTON,  
N. Y.**

Our annual pilgrimage through the east would be very incomplete without a visit to Skylands' famous plant. A trip to this farm is exhilarating to mind and body alike and we look forward to it with pleasure. The farm comprises upwards of 2,000 acres of land, with forty-nine miles of improved roads skirting and climbing its hills and as many miles of climbing honeysuckle vines covering the fences and rocks. Beauty is everywhere, in its natural state and improved by the hand of man, truly a lovely place.

Here Mr. Harlo J. Fiske has built his plant and raises and breeds his wonderful line of S. C. White Leghorns. We have carefully noted this line for years. It was always a top-notch bred by a natural fancier and for all his years of breeding he has a winning record to show his successful work. Today it is better than ever; his matings, while we expected to see grand ones, were really a most pleasant surprise. Delightful falls to express our opinion adequately. They are made of quality with improvement the desired condition and well assured. Males of type, carriage, head points with full and low carried tails the feature; females with class and years of breeding flowing through their veins. A royal and a most promising lot and a worthy result of Mr. Fiske's years of labor.

The winning record made by this line, while we cannot give it complete, is one of special value, for during the past three years it has played a leading part at several of our best shows. During this time it has won at Madison Square Garden, New York, along with the best two first prizes, two second prizes, two third prizes, two fourth and several others and specials. This splendid record carries with it the stamp of merit and value.

At the great Buffalo Show, January, 1913, and in the largest class of the show, Mr. Fiske by winning every first, second, third, fourth and fifth in all the four single classes, and first, second pen, made the best record winning we know of at any show or with any variety. It was the seal of quality won in strong competition and was well deserved. The first cockerel also won the show champion sweepstake special for best bird in the entire exhibit.

Also at Buffalo in 1910-1911, Chicago, 1911, and at Boston, 1911-1912, this line shown by Mr. Fiske won a total of sixteen first prizes, fourteen seconds, thirteen thirds, ten fourths, seventeen fifths, two sixths and many specials for color, shape, head points, etc.

The S. C. White Leghorns have proven one of the best and most popular varieties and are always found to be one of the largest classes at the exhibits. To win in them means unquestioned quality. The great shows held at New York, Boston, Chicago and Buffalo are sure to draw the best and when we consider this fully, then refer to the above record made by Mr. Fiske in three years' time, we can surely say "Well done."

Mr. Fiske has issued a very neat mating list, describing his pens, which every interested fancier should have for reference at least. It not only describes the matings but gives the winnings and history of his lines. As we have before stated, it takes the best to win at those shows and such birds must be of quality and shown in condition. It is useless for us at this time to particularly describe his birds as seen at their home, for their records are a far better assurance of their worth. While Mr. Fiske's birds have been making their reputation, he too has endeared himself to the breeders he has met. He has won his way step by step with experience and richly deserves the success made, for his lines combine quality with breeding worth and a future full of promise to him and his customers.—H. P. Schwab.

**C. M. AGLER.**

Mr. C. M. Agler, Millbury, Ohio, breeds Single Comb Rhode Island Reds, the kind that win prizes and lay lots of eggs. He reports that he has hatched out a very nice lot of strong, healthy chicks from his very best matings, and that he will be in a position to supply breeders with well developed, top notch prize winners for the early Fairs and Fall Shows. He will sell eggs at one-half price after the 10th of May and guarantees the best quality of stock will be produced from them. Mr. Agler has reports from many satisfied customers who have informed him that stock produced from his strain was of better quality than that secured at long prices from other breeders. His ad will be found in this issue. Men-

**Whatglen Magnificent Black Minorcas**

The World's Largest Minorca Farm. Eggs, \$3 and \$5 per setting. 50 cockerels for sale, \$5 each. We aim to please, and always do.

Whatglen Farm : Frank McGrann, Proprietor : Box A, Lancaster, Pennsylvania

**S. C. Brown Leghorns**

First prize winners at Madison Square, New York, Chicago, Pittsburg, Cleveland, Buffalo and Philadelphia. My prices are reasonable. Write for circular.

Frank Schellang, R. 8, Erie, Pennsylvania

**MAWER'S R. C. REDS**

Pen I headed by 1st Cleveland cock, also winner shape and color specials. Won last year as cockerel at Chicago, Cincinnati and Cleveland. Eggs, \$8 per 15. Pen II headed by "Governor," 1st Cleveland '12. Also winner of two specials for shape and color. Headed 4th Chicago pen last Dec. Eggs, \$5 per 15. Pen III headed by "Pres. Taft," sire of all my finest winners. Eggs, \$3 per 15. The females in these pens are grand type and rich red. Order direct from this ad. The supply is limited.

ROBERT MAWER, PERRYSBURG, OHIO

**WHITE ORPINGTONS - WHITE ROCKS****INTERNATIONAL CHAMPIONS**

Birds from my yards have won at Dairy and Palace Shows in England, also in New Zealand and at every big show in Canada, New York State Fair 1911 and 1912, ten firsts; Michigan Roundup show, five firsts; Madison Square 1911, 1st, 2d, 3d, 5th and 6th. Birds sold on approval. Duty paid to the United States. Send for mating list. Please mention American Poultry Journal when writing.

HIGHWORTH POULTRY YARDS : Fred A. Andrewes, Prop. : LONDON, CANADA

**VASS ORPINGTONS AND SILVER CAMPINES**

I can give you bargains in Buff, Black and White Orpingtons in single, pairs and pens. I have the best this season I ever owned and will assure you better value than ever before, and fair treatment in all cases. They have show records: Silver Campines, best English and American bred. We have birds in your yards from Capt. Max Debathe of England; also Kennedy and other leading strains. Birds are large, well marked and great laying strain of large, white eggs. You can not make any mistake in taking up this beautiful fowl. They are the rich man's hobby and poor man's friend. Am booking egg orders now. Write for prices; booklet free.

C. E. VASS

WASHINGTON, N. J.

**A GOOD TRAP NEST**

Made in a few minutes from a common box, very simple and reliable. Send 10c for complete printed and illustrated instructions for making your own trap nest. Warm water fountains, automatic feed hoppers, poultry houses, etc. Price list of our wonderful strain of Winter egg producing Barred Rocks free.

Stirdivant Farms, Sheboygan Falls, Wisconsin

**Buff Wyandottes****Jacks' Golden Beauty Strain****The Minnesota Blizzard Busters**

Eggs from our choicest matings. Blue blooded, aristocratic, champion winners, every bird a pedigreed Gold Beauty Star, \$4 per 15. Twenty Gold Beauty cockerels, all sired by first and champion New York chl., at cut snap prices to move them quick. Last showing, Minn. State Show, Minneapolis, Jan. 1913, 1-2-3-5 chls., 1-3-4-5 pul., 1-2-3-4 hens, 1 pen, all specials. Send for list. Address

J. Carleton Jacks, Litchfield, Minn.

**Wyckoff's S. C. W. Leghorns**

Acknowledged Everywhere the World's Greatest Laying Strain—Unequalled in standard qualities. Remember that we are the originators, and for more than thirty years specialty breeders of the highly celebrated Wyckoff Strain of S. C. White Leghorns, the most profitable strain of poultry in America today. Place your orders at headquarters and make no mistake. Eggs for hatching in any quantity from the grandest of matings at \$2 per 15, \$3.75 per 30, \$5 per 45, \$10 per 100. Catalogue and testimonials free.

**ADDRESS**

C. H. Wyckoff & Son : Aurora, Cayuga County, New York



## VIERHELLER'S BUFF ROCKS

Special sale of last year's prize winning cocks and hens. This is your chance to get something good.

VIERHELLER BROS. : 17 SYLVANIA AVENUE : PITTSBURG, PENNSYLVANIA

## Rose Comb Black Minorcas

First cock, first hen, first cockerel, first pullet at St. Louis 1912; first cock and first hen on White and Fawn Indian Runner Ducks. J. S. BALES - - ROUTE 2, SPRINGFIELD, ILL.

## CHICK INSURANCE

Would you like to have the lives of your baby chicks insured? Very well, then use a Simplicity Can't Clog Baby Chick Feeder. It always works and is always on the job. Simplex Supply House, Pontiac Bldg., Chicago

## DO YOU WANT YOUR CHICKS TO LIVE AND GROW LIKE WEEDS?

Then use a Simplicity Baby Chick Feeder. It gives 'em what they want when they want it. Get literature  
SIMPLEX SUPPLY HOUSE, PONTIACA BLDG., CHICAGO, ILL.

## GREENAN'S WHITE WYANDOTTES

At Pt. Huron, 1913—America's Quality Show.—Won everything in sight, first and second cock; first hen; first cockerel 1911-1912-1913; first pen 1913; best display 1912-1913. Send for my mating list and see who has the winning kind. Fine breeding males, \$5.00 to \$10.00. Book your egg orders now. Please mention A. P. J. J. B. GREENAN - - - DECKERVILLE, MICHIGAN

## "CIRCLET" BARRED ROCKS

Eggs \$6.00 per 100. "Xcel" S. C. White Leghorns, \$2.00, \$3.00 and \$5.00 per setting. "Xcelior" Part-ridge Rocks, a grand pen in every respect. Cock first at Springfield State Show. Also a good prize winner on Barred Rocks and Leghorns. Send for mating list; buy your eggs where you are sure of satisfaction.

Railway View Fruit & Poultry Yards : J. H. Tonge : Kangley, Illinois



## PORTABLE POULTRY HOUSES AND BROODERS

DYER PORTABLE HOUSE & MFG. CO.  
4430 N. 40th AVENUE : CHICAGO, ILLINOIS

Our houses are well built of first class material and painted two coats of lead and oil. Send for free catalogue, orders filled on short notice. Mention American Poultry Journal.

## URBAN FARM CHAMPIONS

We will spare a limited number of settings from our prize winning Black Langhans, White Rocks, S. C. Mottled Anconas, Silver and Golden Campines, Black Tailed Japanese Bantams at Boston Show, 1913. Three varieties shown, our entries won eight firsts, four seconds, two thirds, one fourth, two fifths. Of 34 birds shown, 29 were under the ribbons. Mating list for 1913 on application. Correspondents please write their name and address plainly.

URBAN FARMS,

PINE RIDGE,

BUFFALO, N. Y.

## The Gillette Poultry Feeder

The machine that will make the feeding of your poultry simple and easy. It will feed any kind of grain—whole, cracked or mixed, better than the expert. The poultryman who neglects to get a Gillette Poultry Feeder deprives himself of the only really efficient method of feeding poultry. It saves a large portion of your grain and time, increases the vitality and productiveness of your stock. The only ball bearing machine on the market. Absolutely the only machine in the world that feeds BABY CHICKS as well as grown birds. You really get two machines for the price of one when you buy the Gillette. ORDER TODAY. One size, one-half bushel capacity, price \$2.50. Your name and address will bring our circular. Manufactured and for sale by

Fred W. Morse Co. -:- Providence, Rhode Island



## S. C. Black Orpingtons

SPRING OF 1913—\$10 Eggs for \$4 for 13—Why are they \$10 eggs? Because they are the equal of any \$10 eggs in the United States, and all are from our celebrated Duke of Kent strain—the greatest prize winning strain of Black Orpingtons in America. Send for egg circular and beautiful 9x12 chromo. Very high grade young stock for sale. Mention Am Poultry Journal when writing.

FOSTER & JOHNSTON, R. R. 7, FORT WAYNE, INDIANA  
Honorary State Vice-President American Orpington Club

## WHAT THE FARM OWES TO ASPHALT.

When you stop to consider the wonderful economies effected on the farm in different ways by the use of natural asphalt in various forms it may well cause you to run back in your thought, trying to trace the origin of this important yet seeming mysterious substance which has made itself really indispensable to the modern aggressive farmer.

Natural asphalt is found in various deposits in different parts of the world. Those in Egypt having been used by the Ancients in nearly the form they found it, to waterproof walls and as an embalming substance to preserve the bodies of their dead, which has kept the mummies of Egypt to the present day.

The Dead Sea, as well as the waters of Cuba, have yielded natural asphalt, and various deposits have been found in veins in this and other countries, but the most remarkable deposit because of its combined uniformity, largeness of area, and apparently inexhaustible supply, is the Lake of Trinidad.

From this source is secured most of the natural asphalt used for modern commercial purposes.

The multiplicity of uses to which it has been found that natural asphalt is particularly adapted, have extended most helpfully to the farm.

In the form of prepared roofing it makes a covering of positive and lasting waterproof qualities, and has the added advantage of being in such form that any handy man about the farm can apply it to any of the buildings.

Then the asphalt prepared in the form of cement is invaluable for rendering damp-proof the walls of cellars, dairy-houses, concrete floors or any similar surface.

Again we find that asphalt paint does invaluable work in protecting all kinds of iron and steel-work such as fences, girders and the like, from rust and all corroding influences.

And in yet another form, as a wood-preserver, natural asphalt effects almost incalculable savings.

Fence-posts dipped and impregnated with it can be made to last indefinitely. The same can be said of planks or lumber of any kind which are likely to be used in damp places. In fact natural asphalt has come to be relied upon for thorough waterproofing anywhere—above ground or below.

Natural asphalt is one of the most potent agents the farmer of today can employ to help him reduce the upkeep expense of the farm, and should be welcomed and used by the intelligent farmer for every possible purpose that it can be put to, because of its unmistakable value.

DR. G. G. BILLMAN.

Dr. G. G. Billman, breeder of "Houdans Worth While," formerly of Evansville, Ind., informs us that after May 1st he will be located at Sullivan, Ind. The doctor is an enthusiastic fancier of Houdans, and is doing good work not only in the line of producing prize winning specimens, but promoting interest in the breed. We understand that he will have better facilities in his new location for raising his birds, and believe that anyone interested in Houdans would do well to write him before placing their order elsewhere. His ad appears in this issue. Please mention A. P. J.

CARVER'S RED FARM.

Mr. A. A. Carver, Seville, Ohio, owner of Carver's Red Farm, informs us that he is making special reduction on his best eggs during the month of June, giving two sittings for \$5.00, in order to introduce his Queen Quality Reds to new customers. This is a good opportunity to get started with this strain, and as Reds mature quickly there is yet time to hatch them. Mr. Carver also informs us that he is building ten new houses in addition to his already large plant, as his growing business demands more room. This is the best kind of evidence that Mr. Carver has an increasing business, and is treating the public right. No doubt that is the way you wish to be treated. A word to the wise is sufficient.

On another page of this issue will be found a list of some of the most valuable Breed Books that have yet been published. Every raiser of poultry should own a copy of the book treating of his favorite breed. Books on other important subjects are included in the list.

You get a special combination rate by ordering with a subscription, but the books may be secured without the subscription if



**WHITE DIARRHOEA CURE DISCOVERED.**

For many years White Diarrhoea has stood between the poultryman and success in chicken and turkey raising.

A new and scientific formula has been discovered, however, which has now had several years of searching trial and has been on the market for two years.

The remedy was discovered by Milton W. Brown, M. A., M. Sc., of Cincinnati, Ohio, and the formula now belongs to the Nabob Remedy Co., of Gambier, Ohio.

The formula was handled last year by the Cheviot Supply Co., but in order to give the formula better financial backing, it has been sold to the above named company.

Seven out of ten persons who ordered the remedy last year have reordered this year, and such letters as the following seem to indicate that the remedy is the one poultrymen have been praying for, for a good many years:

"Afton, N. Y.

Nabob Remedy Co.,  
Gambier, Ohio.

Gentlemen: I enclose money order for \$2, for which send me more of your Prescription No. 3 for White Diarrhoea. I don't intend to try to raise any incubator chicks with neighbors and saved lots of their chicks. Please send price on dozen lots.

Yours truly,  
J. E. Mayhew."

March 26, 1913.

The Nabob Remedy Co. advertises in this issue to send a big box of the remedy absolutely guaranteed to cure or money back for 25c. They claim to have never had a box returned and that millions of the tablets have been sold the past year. Every poultry raiser ought to try these tablets when it may be done under such a guarantee—use the whole box, and if not satisfactory write and get money back in full.

A. C. HAWKINS, LANCASTER, MASS.

We were glad to again call on Mr. A. C. Hawkins and also to note that he has greatly increased his plant and stock since our last visit. Great as this "Royal Blue" line has always been in the past, it is to our mind far superior this season and one of the usual "Hawkins" yearly surprises. Here we saw many pens of Barred Rocks to admire in both cockerel and pullet matings that promise to carry the "Royal Blue" name and colors forward to more fame.

In cockerel matings Mr. Hawkins has surely an exquisite line. Here was seen pen after pen of carefully selected and mated birds of his best lines and with a uniform high-grade of type, color and barring. The males used have size, rich color and even and narrow barring, barring to the skin is the rule here and in all we handled noted this as a feature worthy of special mention. Small sized and well set combs and full heavy tails well spread and carried add much to this line.

In pullet matings we met our real surprise. Mr. Hawkins has always been strong in his cockerel line and in his females as well, but this season he has several pullet matings far superior to any we have ever seen here; they are positively select in their snappy bright barring and proper shade of color; under they also show to advantage. We were much pleased to see these matings.

Here we saw for the first time the M. S. Garden, N. Y., champion cup won by Mr. Hawkins February 13-17, 1883, for best pair of Barred Plymouth Rocks. This was 30 years ago. Then as now Mr. Hawkins was a leader and during all these years he has devoted all his work and efforts to the poultry interests. Thirty years with poultry is some time and we can well say that Mr. Hawkins' experience covers the time from the beginning of Standard bred poultry. In the poultry world he has always commanded a prominent place and has been one of the few prime factors that has helped to place the industry where it is today.

The past year Mr. Hawkins contented himself with a grand winning at Chicago and by making only a display at New York and Boston. Both these displays we commented upon and both were of a quality deserving of special mention. At New York the display was a pullet mating pen and at Boston a cockerel mating pen was shown.

Mr. Hawkins' catalogue is descriptive and gives all information of his birds, etc., and should be in the hands of all interested breeders. It is free for the asking.

**ANCONAS**

Howlett's Famous Laying Strain—Persistent winter layers, 15 mated pens for the hatching egg trade this season, catalog free. Our ANCONAS have won in every show this winter where shown. The eggs we sell for hatching are from the same pens we hatch our own show birds, both combs.

East Orange Ancona Yards

F. J. Howlett, Manager  
Sec'y-Treas., Ancona Club

East Orange, N. J.

**WINGOLD BUFF ORPINGTONS**  
**BUFF WYANDOTTES**

St. Louis, Indianapolis and Cleveland winners. Eggs from 10 grand pens \$3.00 to \$5.00 per 15. Let us prove to you that "WINGOLDS" are there with the goods. Remember, we guarantee you 12 strong chicks per setting. Write for mating list.

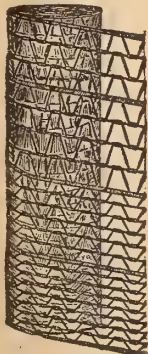
F. A. POERTNER

Box A

Berea, Ohio

**UNPRECEDENTED BARGAIN**

'M. M. S' Poultry and Garden Fencing



Popular among Poultry Raisers and Farmers all over the country—A big seller—Made in standard or close spacing; sizes 12 to 84 inches wide. Needs no top or bottom rails—Not a netting but a poultry fence. All horizontal bars run straight through the fabric. Every foot in height reinforced by a two strand cable. Takes only about one-half the posts that ordinary Poultry Netting does. All No. 19 Galvanized wire—strong and durable.

**SAVE 30% to 50%**

We bought several thousand rolls of this celebrated fencing at less than actual cost to manufacture, and are offering it to our friends at 30% to 50% below usual retail prices.

10 rods (165 feet) in roll—from 70¢ a roll up  
36 inch—\$1.60 per roll — 48 inch—\$1.95 per roll

It's going like "hot cakes"—Don't wait. Send in your order before it's all gone. Prompt shipments guaranteed. Write for free catalog, illustrating and describing big bargains in all kinds of merchandise.

A. J. CHILD & SONS MERC. CO.,

502 No. Main Street, St. Louis, Mo.

Save  
30% to 50%

**BARRED PLYMOUTH ROCKS**

210 Eggs in 259 Days

This was the official record made by one of the females in our pen at the International Egg Laying Contest at Storrs Agricultural College last year. Our five birds in this pen made a record of 836 eggs in 9 months and 11 days of actual laying. Eggs for hatching. Send for catalogue.

MAPLE GRANGE POUL. YARDS  
S. M. GOUCHER, MOORESTOWN, N.J.

**SPRING WATER'S FAMOUS S. C. W. LEGHORNS**

WE HAVE NO OTHER BREEDS

**Day-Old Chicks**  
**Eggs for Hatching**

No strain can excel "Spring Waters" for vitality and the necessary qualities to produce prize winners. At the recent Baltimore show we won 2 firsts, 2 seconds, 1 fifth and 1 eighth. Our First Prize Pullet being the sensation of the show.

**Our Prices Will Please You**  
**Our Treatment Must Satisfy You**

What we guarantee: That chicks will be hatched from eggs laid by our breeders only; the safe arrival of our chicks; the fertility of our eggs, and that you must be satisfied if dealing with us. Our capacity is 20,000 eggs at one sitting. We have a few choice Breeding Cockerels to dispose of. Write for free illustrated booklet. Write us before placing your order for this season's wants.

**Spring Water Poultry Farm : Stockton, N. J.**



### ONLYA FARM, FLORHAM PARK, NEW JERSEY.

Onlya Farm is a real fancier's poultry plant; this is evident from the stock, buildings and general arrangement, and also with its ideal location. All to be seen there is to be commended, particularly the mated birds, which in both quality and in numbers, surprised us. White Wyandottes have the call here and from their years of records at prominent shows their grade is established to the credit of the owner and manager.

Here in a delightful location Mr. Philip Kearny has built his plant for the poultry he loves so well and has placed it in charge of Mr. Chas. Staaff, a friend of ours for many years. The buildings are new and practical, range ample and just

the kind of place we would select to breed rare birds.

As usual, our main concern was found in the birds, and we feasted our eyes, going from pen to pen, and noted as a feature the general high and even grade in all the birds seen here. There are no extremes in this line, for both the owner and manager know good quality and have labored to combine that with practical worth. The males all through are an even lot, including many famous winners with a character all their own. They are alike and it is easy to see resemblance and line characteristics in all. Of the females the same can be said and their quality from a breeding value viewpoint is of highest value in any line.

To exhibit White Wyandottes means to compete in great classes for they are popular favorites and among the leaders at all shows, which makes their records

valuable and very interesting. "Onlya Farm" birds have been very successful in the show room and we here give their records in condensed form to show what they have really done and to give our readers a line on their quality.

In 1910 they won at N. Y. State Fair, Allentown, Trenton, Hagerstown, Grand Central Palace, N. Y.; Chicago and M. S. Garden, N. Y., six first prizes, six seconds, five thirds, six fourths and five fifths.

In 1911 they were at N. Y. State Fair, Memphis, Tenn.; Hagerstown, Williamsport, Grand Central Palace, N. Y.; Atlanta, Chicago, M. S. Garden, N. Y., and Boston, eighteen firsts, eleven seconds, four thirds, fifteen fourths, eight fifths, and five sixths.

In 1912 they won at Allentown, Hagerstown, Augusta, Grand Central Palace, N. Y., and M. S. Garden, N. Y., seven firsts, six seconds, eight thirds, four fourths, and five fifths.

The reader will note that these birds traveled hundreds of miles to make these shows and the above records, which, to our mind, are of extreme merit and value. Beside the above, they won several display prizes, silver cups and sweepstake prizes for best bird at show on both males and females; at Allentown last fall they won cup and medal for best cockerel at that great show.

The pens as mated promise much; they are classy matings and no fillers used. Every female is a gem and is mated for her known quality and record. Pen 1 has the third prize pen cockerel at the late Palace, N. Y., show, with winning mates, including their second M. S. Garden N. Y. pullet. General uniform types and fine heads noted. Pen 2. Here is the first Palace, N. Y., pen cockerel, a very deep, full bird; stands well. Mates a rich lot, very even and fine fronts and backs; full tails. Pen 3. Surely one of the best, headed by first Allentown cockerel, who won cup and medal for best cockerel in the show. He stands clean, has an ideal back and wonderful tail. He is a Wyandotte every inch of him; several winners among his mates. Pen 4, headed by a winner at Memphis and Augusta; a strong cock, richly mated. Egg records noted here showing an average of 12 eggs per hen in 17 days.

Pen 5. Very much to our liking and the best of form and quality in every bird. Most of them winners. The male first Hagerstown cockerel. Pen 6. Headed by first pen cockerel at Allentown, a blocky bird, massive, shows grand vigor and fine pointed. Pens 7 and 8 headed by brothers hard to tell apart. Both should make rare cocks. They have size and ideal type. Pen 9. The male of extra width and depth, breast shape wonderful, beauty mates. Other pens seen as listed and all of merit. Each has its quality and is desirable. Every bird on this place is absolutely White.

They now have about 400 chicks out, some nearly feathered. They are strong fellows, showing good bone, and stand strong and well.

This farm has had a very successful year, which they and their line of birds well deserve. At the time of our visit they were preparing to ship 20 cockerels and 40 pullets to South America, the large steamer coops were made and all was a hustle.

The large poultry house is of the open front order and in the surrounding fields colony coops were seen where the young are raised. The cockerel house has three tiers of coops for conditioning. The incubator cellar has a 2,400 eggs size Newtown giant machine, which Mr. Staaff assured us was giving splendid satisfaction. The brooder house is next, the room heated, but cold brooders are used, made by Mr. Staaff after his ideas. The chicks show the very best of care and condition, assuring us the brooders used are satisfactorily doing their work.

When we first knew Mr. Staaff he was breeding Barred Rocks, and we find him here making a strain of Barred Wyandottes; they are usually called Coooco Wyandottes. Just why I don't know. Barred Wyandottes would be more appropriate. These birds show fine Wyandotte type and extra fine combs, even and uniform barrings, far better than we dared hope to see. They breed true and we feel there is a future for them if rightly named.

We surely enjoyed our visit to this plant and were particularly pleased with all seen. They have twice the amount of stock we expected, and it is also of surprising quality. It shows their blood lines and breeding back of every bird, the point that is safest to bank for results. It is a pleasure to recommend such birds and such men, and we would

## ZIMMERMAN'S R. C. REDS

Won at Cleveland January 20 to 25, 1913, 2-3 pullet, in the largest class ever exhibited at Cleveland. A limited number of settings to spare. Book early.

W. F. Zimmerman

Willoughby, Ohio

## 43 Varieties

Poultry, squab breeders, fancy pigeons, ducks, geese, peafowl, pheasants, wild game, dogs. Incubators, feed and supplies. Handsome catalog containing 150 illustrations, four cents.

MISSOURI SQUAB CO. Dept. R KIRKWOOD, MO.

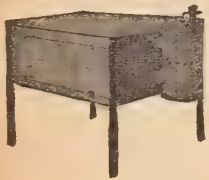
## 60 S. C. RED COCKERELS

For sale at low prices. Eggs for hatching from prize winning pens. Satisfaction or money back. Write today. T. MENDENHALL - - - RIDGEFARM, ILLINOIS

## ROSE COMB BLACK MINORCAS

Our winnings for 1913 on two entries at Madison Square Garden. 1st cockerel, 19 competing. At the Club show at Boston, on four entries, 1st cockerel, 1st pullet, 5th hen and 13 specials. Head points and low carried tails our strong points. Stock and eggs for sale. H. A. Keister, R. F. D. 3, Bangor, Mich.

## All Steel Triple Wall Double Air Space Incubator



It bears the label of the Fire Underwriters, which insures durability and protection. It is built entirely of metal, with exception of the pressed fibre inner lining. Double air space on all sides, top and bottom. Send for our catalog showing the most complete line of Poultry Supplies in the United States. When writing mention A. P. J.

Macomb Poultry Supply Co. Box A Macomb, Illinois

## MOE'S SANITARY POULTRY DRINKING FOUNTAIN



Dead air space between cover and reservoir keeps water cool in summer and from freezing in winter. The nearest thing to a non-freezing fountain that can be constructed without the use of artificial heat. Easily cleaned as an ordinary pail. Sanitary and humane. Manufactured in three sizes: One, two and four gallon capacity.

REPLACE COVER AND YOU HAVE A CONTINUOUS SUPPLY OF PURE WATER



## MOE'S SANITARY BROODER FOUNTAIN



Little chicks can't get wet. Sits in the corner of brooder. Takes up little room. Can't be upset. If desired can be hung up by hook which is on top of each fountain. Manufactured in two sizes: One qt. and one gal. cap.

REPLACE BOTTOM TURN UPRIGHT. READY FOR USE



If not at your dealers write us to send you one on approval, carrying charges prepaid and when you are satisfied that it is what you want, we will make you a special price on your requirements.

# OTIS & MOE



see for themselves, and rest assured I will welcome the day when I am again headed for Oniya Farm.—H. P. Schwab.

### RUSSELL CAVE WHITE ORPINGTONS, LOUIS LEE HAGGIN, LEXINGTON, KY.

No business can be any bigger than the man behind it. No breeder can produce quality birds year after year unless he not only knows what a good bird should be but also knows something about breeding, so that he can mate his birds with the assurance that the good qualities of any bird or birds will be transmitted and retained equally well or improved upon in the progeny produced year after year.

We are safe in saying that no breeder in the country has ever had any better training in the science of breeding animals than Mr. Louis Lee Haggin.

Mr. Haggin was born and reared on Elmendorf Farm, the largest stock farm in the country, consisting of 7264 acres, located in the heart of the blue grass section of old Kentucky. Elmendorf Farm is noted for the high class thoroughbred stock it has been producing during the past forty odd years.

The most famous horses the world has ever known have been bred and reared here, including, *Salvator*, still holder of the World's record, 1.35½; *Firenze*, known as Queen of the Turf, the well known Nancy Hanks, and scores of others. Elmendorf Farm not only breeds thoroughbred horses but cattle, sheep and hogs.

Mr. Haggin, as a boy, became deeply interested in the study of scientific breeding of animals, and never has there been a time since then that he has not been a close student of breeding, making many tests and noting results. The knowledge thus gained early in life is invaluable to Mr. Haggin in his poultry business. This is why we say no breeder ever engaged in the poultry business with as much experience in the science of breeding as has Mr. Haggin.

**Quality Foundation Stock.**  
Knowing only too well the value of good foundation stock, Mr. Haggin started with the best stock obtainable regardless of price. Many birds were secured both in the beginning and since at very long prices, for he never stopped at price if a bird had quality, stamina, vigor and breeding qualities. No matter how good an individual bird might be he was discarded if he did not have breeding potency coming up to Mr. Haggin's ideals.

Not only this but the climate, pure air and water of the blue grass section of Kentucky have been credited as contributing to the extreme high quality, size, stamina and vigor of stock produced here. Therefore Mr. Haggin is again favored in this as is no other Orpington breeder. The mild Kentucky climate makes it possible for the breeding and growing stock to be out on the blue grass range later in the fall and earlier in the spring than other breeders less favorably located. The short time breeders are confined in winter and makes them come through with much greater vitality and the longer growing season is a decided advantage in growing size and bone, particularly on Orpingtons.

Knowing the value of pedigree and line breeding, Mr. Haggin has all houses equipped with trap nests and all stock are trapped nested and line bred.

**Buildings.**  
One of the important things in raising topnotch birds is to always have them properly housed. The subject of proper buildings has been given considerable study by Mr. Haggin and all buildings at Russell Cave Poultry Farm are modern, sanitary, and conveniently arranged. Plenty of fresh air and sunshine have been provided for and they are kept scrupulously clean at all times. The houses are situated in an orchard which furnishes shade and all yards have sufficient south slope to drain well. It will be readily understood with the unlimited knowledge of breeding, and the other natural advantages possessed by no other breeder it is but a natural consequence that Mr. Haggin should produce stock with extra stamina, vigor and breeding potency. Birds that are exceeding close to standard requirements and that win the blue in the keenest of competition. Mr. Haggin devotes several pages of his handsome catalogue in giving his long list of prizes won by his birds.

**Russell Cave Catalogue.**  
Mr. Haggin issues one of the handsomest catalogues published by any breeder. It gives you much valuable in-

formation, besides illustrating his birds, buildings, etc. It should be in the hands of every breeder of White Orpingtons. Mr. Haggin's ad. appears elsewhere in this issue. Please mention the American Poultry Journal when writing.

### PLEASURE AND PROFIT.

This is the title of a catalogue issued by Chas. G. Pape, Fort Wayne, Ind. Mr. Pape is a well known breeder of Single Comb Black Minorcas, having successfully competed for the blue ribbons at many of our National shows and having furnished prize winners all over the country, for many years.

His catalog will be of interest to all breeders of Black Minorcas as it contains much valuable information concerning them. Mr. Pape is making special introductory offers on pairs, trios, pens and flocks, and is also furnishing eggs for hatching at less than one-half published price after May 10th. This catalog is free for the asking. His ad will be found elsewhere in this issue. Please mention American Poultry Journal when writing.

### THE 20TH CENTURY HATCHERY.

The 20th Century Hatchery, located at Chatfield, Ohio, was not affected by the flood that recently devastated a large portion of the state of Ohio. They wish us to inform our readers that they are prepared to fill all orders for day old chicks promptly, as all train service has now been renewed. They are prepared to supply you day old chicks from Single Comb White and Brown Leghorns, Barred Plymouth Rocks, Rose Comb Rhode Island Reds, and Broiler Chicks, all from free range stock, and at reasonable prices. See ad elsewhere in this issue.

### SILVER SIDE POULTRY YARDS.

Mr. D. F. Ault, Fort Wayne, Ind., proprietor of Silver Side Poultry Yards, issues a handsomely illustrated catalog which should be in the hands of every breeder of Polish. Mr. Ault breeds Silver Polish and Golden Polish, White Crested White Polish and White Crested Black Polish. He has some very convincing reasons as to why you should breed Polish and particularly the Silver Side strain. If interested in Polish you should send for his catalog and mating list. Mention American Poultry Journal when writing.

### AMATITE SAMPLES FREE!

The manufacturers of Amatite are anxious to have every user of roofings in the country know exactly what their Amatite mineral surface looks like. Accordingly, they are ready to send, without charge, to anybody, a free sample of their roofing.

Simply address a postal card request for same to the nearest office of the Barrett Manufacturing Company, New York, Chicago, Philadelphia, Boston, St. Louis, Cleveland, Pittsburgh, Cincinnati, Kansas City, Minneapolis, Corey, Ala., Seattle.

### BEFORE SUBSCRIBING.

For the American, look up our special offer on page 809 of this issue. Quite a saving in price is made by taking advantage of the special combination rates quoted.

Admirers of the Silver and Golden Campines should write to Mr. S. D. Hall for his catalogue and description of stock he will have for sale July 1st. He also offers eggs for May and June delivery from all his pens at utility prices. At the West Side Cleveland show, Jan., 1913, Mr. Hall won on Silver Campines, 1, 5 cockerel, 2, 4 pullets and 1 pen. He also has at his disposal eggs and stock from winners at the Great East Side Cleveland show. We recommend any one wanting Campines or S. C. W. Leghorns should send for his mating list. Mr. Hall will be glad to advise you what he has and will treat you right.

The world wide circulation of our poultry periodicals is shown by the following: The well known firm of Otis & Moe, Otis Bldg., Chicago, manufacturers of the popular top-fill drinking fountain and many other useful sanitary poultry supplies who confine their advertising almost exclusively to the poultry papers, received in the same mail delivery the other day an order from Hong Kong, China, and an inquiry from Capetown, South Africa. While it is almost a daily occurrence for them to receive inquiries from Europe, the West Indies and South America.

We would like for every reader of this paper, who is interested in Farm Fence, Poultry Fence, Barbed Wire or fence supplies, to write the Coiled Spring Fence Company of Winchester, Ind., for their catalog. It is free for the asking and your request on a postal card will bring it to you. They are certainly quoting some very low prices on high grade fence, and the following wonderful values will be found listed in their catalog: 26 inch hog fence, 14 cents a rod; 41 inch farm fence, 21 cents a rod; 48 inch poultry fence, 22½ cents a rod; 80 rod spool heavily galvanized barbed wire, \$1.55 per spool. This company will let you be your own merchant, by selling their product direct to you, saving you the unnecessary profits of dealers and jobbers. We call your attention to their ad appearing in this issue, believing that it will be to your advantage to learn something of their fence and their plan of selling direct to the farmer.

### ANCONAS, SILVER CAMPINES, BUTTERCUPS AND BREAKELS

Most beautiful of them all. Business and beauty combined. Eggs for hatching. Best winter layers

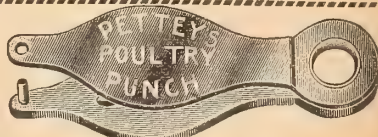
E. O. Green : Portland, Indiana

### Buff Wyandottes

Exclusively—Young and yearlings.

Good ones for sale.

O. A. Browne VanWie and Logan Sts. Rockford, Ill.



All steel, nickel plated, punches clean. Hole is right size; will not bruise the foot. Price 25c by mail, or at your dealer. J. O. Petsey, State St., Belvidere, Ill.

### Lakenvelders



A fowl of rare beauty and real merit. Eggs from three matings at \$5.00, \$3.50 and \$2.50 per 15. Express prepaid. Circular. Mention A. P. J. when writing.

J. E. Johnson :: Slater, Iowa

*White Diarrhoea!*  
*Kills Millions of*

chicks. Baked Biscuit Meal saves them.

Send a dime today for a sample of meal and my book on scientific feeding.

U. S. LYBARGER, 47 College St., Gambier, O.

### Having Trouble With Your Flock?

Write for free advice, also send 4 cents in stamps for copy of Conkey's Poultry Book, 80 pages. Address

THE G. E. CONKEY CO., Dept. 18, Cleveland, Ohio

### OKE'S HAMBURGS & BANTAMS WIN

"The world over"—Boston, New York, Baltimore, Toronto, all great shows. Golden and Silver Pencilled and Spangled and Black Hamburgs, Seabright, Black and White Rose Comb and Jap Bantams. Eggs \$5 per setting. Write your wants.

R. OKE. BOX 361-A, LONDON, ONT.

TRETHAWAY'S ANTHRACITE STRAIN

### S. C. Black Minorcas

I have mated 5 grand pens to produce winners for next season shows, as they have for the past 23 years. If you want winners, get a setting of Anthracite eggs. Send for egg circular.

ARTHUR TRETHAWAY  
45 Parrish St., Wilkes Barre, Pa



# CLASSIFIED ADS

UNDER this heading ads will be inserted for seven cents per word each month for less than three months, and five cents per word each insertion for three months or longer. Changes in copy allowed every three months. Numbers and initials count as words. All ads will be inserted under classified headings. No ads accepted at less than an average of sixty cents per insertion. Terms, cash with each ad. Count the words carefully to avoid delay in publishing. Write your copy plainly, as upon this the correctness of your ad largely depends. When placing your ads remember that advertisers using Classified Ads get better returns from AMERICAN POULTRY JOURNAL than from any other poultry journal—none excepted. On writing any of these advertisers mention A. P. J. All copy for Classified Ads must reach us by the 17th of month preceding date of issue.

## PLYMOUTH ROCKS.

BUFF ROCKS. Eggs, \$1 per 15, \$5 per 100. Nugget strain. Clara Orr, Kirklin, Ind. 5-6

POLEY BUFFS HALF PRICE. Eggs, Two Dollars. Stock, Two Dollars up. Circular free. W. R. Hobbie, Bank Bldg., Kankakee, Ill. 12-12-1f

BARRED, WHITE, BUFF ROCKS, choice stock reasonable. Eggs, \$2.00 per 15, \$8.00 per 100. August W. Schroeder, St. Peter, Ill. 5

PARTRIDGE ROCK eggs for setting, \$1 per 15. Wilmer Eichler, Archbold, O. 5

BRED TO LAY BARRED Plymouth Rocks. Eggs, \$1.00 per 13. J. P. Randell, Rogers Park, Illinois. 5-6

WHITE AND BARRED Plymouth Rock eggs for hatching, from extra high quality stock, \$2 per setting; \$3.50 for two settings; \$5 for three settings. If you want something extra good this is your opportunity. Order direct from this ad and save time. Satisfaction guaranteed and orders filled promptly. C. C. Shoemaker, Box 605, Freeport, Ill. 5

HIGH CLASS WHITE ROCKS, Fishel strain direct. Wonderful layers, 15 eggs \$1.00. 50 \$3.00, 100 \$5.00, 200 \$10. Strictly fresh layered. Henry Heitkamp, New Bremen, Ohio. 5

CHILD'S' PARTRIDGE ROCKS winners at the big shows. Eggs 1/4 less than most breeders. Circular. Samuel Childs, McKeesport, Pa. 5-7

WHITE ROCKS (Fishel strain). Stock, \$2 up; 15 eggs, \$1.50 up. Also chicks. Free catalogue. White View Poultry Yards, Mishawaka, Ind. 5

PARKS' 200 EGG BARRED ROCKS Pens headed by sons of 217, 238, 242-egg hens. Hens with sworn records, 217, 225, 237, 238, 246, 247 eggs, 15 eggs, \$2.00. Circular free. Frederick Matteson, 3808 Woodley Lane, Washington, D. C. 5

PARTRIDGE ROCKS—WINNERS. Stock for sale. Eggs, \$1.50 per 15; \$2.75 per 30. Edwin Serois, St. Anne, Ill. 5

PARTRIDGE PLYMOUTH ROCK eggs, \$1.00 for 15. Nottzger strain, extra large beauties. First prize pullet Jacksonville, Ill. Great layers. Jersey Poultry Yards, Jerseyville, Ill. 5

WHITE ROCK EGGS. Bargains in Breeders, Winners and Utility Stock. Hoch & Frederick, Chambersburg, Pa. 5-7

"FISHEL" WHITE ROCKS. Eggs, \$1.00 per setting, \$5.00 per 100. Mrs. Gilbert Luyster, R. 4, Franklin, Ind. 5-7

BEAUTY BREED—PARTRIDGE ROCKS. One hen, fourteen pullets, cockerel almost perfect. Records: Eggs, highest one week, 70; fertility, first fifty, 98 per cent; hatch, 74 per cent. \$3 for 15; \$2.50 for 30. Chicks, 25c each. Half prices after June 1. W. Liggett, R. 3, Yorkville, Ill. 5

BARTLETT'S BUFF ROCKS, winners at Chicago, Cleveland, Columbus. One pen, cockerel and 9 pullets, average over standard weight, \$30.00. Satisfaction or no sale. M. A. Bartlett, Canton, Ohio. 5-7

WHITE PLYMOUTH ROCKS ("Fishel's Direct"). Best layers on earth. Eggs, \$1 per 15; \$4 per 100. Grace Eby, R. 4, Osborn, Ohio. 5-5

THOMPSON RINGLET BARRED Rock eggs, 15 for \$1.50, 100 for \$5. Leonard Felker, Gardner, Ill. 2-5

COLUMBIAN ROCKS. Eggs from Toronto winners \$3 per 15. Circular free. P. C. Gosnell, Ridgetown, Ontario, Canada. 4-6

RINGLET EGGS. All pens are headed by cocks and cockerels direct from E. B. Thompson. Eggs, \$1.50 setting; fair hatch guaranteed. M. L. Stamper, Clifton Hill, Mo. 4-5

RENAKER'S PARTRIDGE PLYMOUTH Rocks winners wherever shown. At American Fanciers' Show, Cincinnati, 1913, just won ten ribbons on fifteen entries in a class of 82 birds against hottest competition. Stock for sale at right prices. Also eggs and baby chicks. Write for Mating List and other winnings. Walter C. Renaker, Fernbank, O. 3-5

WHITE PLYMOUTH ROCK eggs. Winter laying strain. Blue ribbon winners. Write for free booklet. C. L. Atkinson, Cynthiaana, Ky. 3-5

FLOWER CITY POULTRY FARM'S Barred Rocks, males heading pens score 91 1/4 to 92 1/4; pullets none lower than 90 1/4. Latest winnings January 8 to 11 Mo. Interstate Poultry Show (Judge Branch scoring), 1st, 2nd cockerels, 3rd hen, 3rd pullet, 2nd, 3rd pens and 3 specials. Booking egg orders. State what mating desired. B. Y. Jaudon, Palmyra, Mo. 3-5

E. B. THOMPSON'S STRAIN. Barred Rocks, quality, yellow bills and legs. Hatching eggs, \$1.50 fifteen. Four weeks old chicks. Summit-view Poultry Farm, Deerfield, N. Y. 3-5

LARGEST BUFF ROCK farm in Northwest. Circular free. L. B. Hanna, Austin, Minn. 3-5

EGGS FROM THOMPSON'S Imperial "Ringlet" Barred Plymouth Rocks. Pullet and cockerel matings. Day-old chicks. From best matings. W. F. Wright, Spirit Lake, Iowa. 3-5

EGGS FROM WHITE PLYMOUTH Rocks, which took ten premiums at Decorah, four at New Hampton this January. Selected, \$2.00 fifteen; utility, \$1.25 fifteen, \$5.00 hundred. Mrs. John A. Jewell, Cedar Hill Farm, Decorah, Iowa. 3-5

WHITE PLYMOUTH ROCK eggs, \$1.00 to \$3.00 per 15; baby chicks, 15c to 30c each. Won 19 ribbons at three shows on total entry of 23 birds. Satisfaction guaranteed. Geo. A. Carpenter, Appleton, Wis. 3-5

RINGLET BARRED PLYMOUTH ROCKS. Direct from E. B. Thompson, both matings, 3 pens. Eggs, \$2.50 per 15; \$4.50 per 30; farm flock, \$1.75 per 30; \$2.50 per 50; \$4.50 per 100. Circular free. Satisfaction guaranteed. Mrs. Wesley Jones, Lancaster, Mo. 3-5

WHITE ROCKS EXCLUSIVELY. Prize winners at Indianapolis, Cincinnati and Hamilton. Line bred for 13 years. Females from 7 to 10 lbs. Males, 10 to 13 lbs. Eggs, \$2.50 per 15. Satisfaction guaranteed. H. L. Brown, Oxford, Ohio. 3-5

ASTLE'S QUALITY BUFF ROCKS. Eggs from fine choice pens of excellent layers containing my winners from Poley-Delventhal strains. Very reasonable prices. Write for free mating list. Milan C. Astle, Mokena, Ill. 3-5

LAWSON'S CHAMPION BARRED ROCKS won best display at Somerset, Greensburg, Vandergrift, Leechburg, Scottsdale, and Latrobe, defeating first prize Pittsburgh winners at these shows. Stock and eggs for sale. H. W. Lawson, Latrobe, Pa. 3-5

"RIVERDALE" PARTRIDGE Rocks. Birds for sale. Eggs from six fine pens. R. F. Schuler, Roana, Ind. 3-5

STANDARD WHITE ROCKS with snow-white feathers, golden legs, beautiful birds. Eggs, \$3 for 15, from high scoring pens. \$1.50 for 15, or \$7 per 100, from farm flock. A. Sutherland, Portland, Ind. 3-5

BARRED PLYMOUTH ROCKS. Bred-to-day Parks strain. Eggs, \$1.50 for 15. Satisfaction guaranteed. R. S. Baker, Decatur, Ill. 3-5

BARRED PLYMOUTH ROCK eggs \$1.25 per 15, \$2.25 per 30, from a great laying strain. None better. Book your orders early. Mrs. John Cunningham, Box D, Volga, Iowa. 3-5

BARRED ROCKS, Ringlet's. Farm bred. Eggs, 15, \$1.00; 30, \$1.50; 100, \$3.50. E. P. Churchill, Allerton, Iowa. 3-5

QUALITY WHITE ROCKS. Won all five firsts at Dixon, Ill., show, January, 1913. Eggs and baby chicks. Free circular. A. G. Goldthorpe, Milledgeville, Ill. 3-5

26 EGGS \$1.00; \$3.50 per 100. Thompson's "Ringlet" strain of pure bred Barred Plymouth Rocks. Write for circular. Frank Moore, Madison, Ind. 3-7

BARRED ROCKS. Fluffy Ruffles strain again won clean sweep 1912. Eggs from silver cup winners \$5, others \$2 and \$1.50 setting. Fair View Yards, Frederick Coons, Greendale, N. Y. 3-5

WHITE ROCKS, Greystone strain. Champion sweepstakes cock Rockford, 1913, heads pen. Eggs, \$2.00 15, T. Hedron, Rockford, Ill. 3-5

BARRED ROCK, BRADLEY STRAIN. Eggs, \$2.00 15; incubator, \$4 per 100. G. O. Anderson, Rushville, Ind. 3-5

HIGH GRADE BARRED ROCKS, Bradley Bros. strain. Eggs, \$1 for 15, \$1.75 for 30, \$3 per hundred, \$8 for 200. Satisfaction guaranteed. Mrs. Henry E. Confer, Lena, Ill. 3-5

BARRED ROCK EGGS, 15, \$1.50. Mrs. Warren Sadorus, Sadorus, Ill. 3-5

FANCY PARTRIDGE ROCKS three dollars per setting. Hilltop Farm, Wickliffe, Ohio. 3-5

CHOICE BARRED ROCKS, either mating, two dollars per setting. Utility Barred Rocks, seventy-five per hundred. Hilltop Farm, Wickliffe, Ohio. 3-5

BUFF ROCK EGGS for settings. Prize winning stock. Mrs. Burnell Phillips, South Dayton, N. Y. 3-5

WHITE ROCKS, GREAT LAYERS. Eggs, 15 for \$1.00; 100, \$5.00; pens, \$2.00. Baby chicks, 15c. Flock headed by birds from Fishel's. Good eyes, 5-point comb, excellent shape. Mrs. Melvin Baird, R. 8, Red Oak, Iowa. 3-5

PARTRIDGE ROCKS. Peoples National Bank backs our business. G. Ruck & Co., R. 5, Wapakoneta, Ohio. 3-5

"LARGEST" BARRED ROCKS in the world. Fifteen years line-bred for weight and exhibition. Hens weigh 10 pounds. Matings contain Rochester, N. Y., first prize cockerel-mating and sons of this male. At Illinois State Show, 1913, won first prize exhibition cockerel, first prize pullet mating pen, second prize hen, cockerel-bred, on entry of 8 birds. All matings scored 90 to 93 by Schwab, Pierce, Russell, McCord, Holden. Largest exclusive Barred Rock farm in Illinois. Eggs, \$2.00 15, \$5.00 45, \$10.00 100. Luther J. Hall, Kenney, Ill. 11-12-1yr

MY RINGLET BARRED ROCKS won at great Fort Wayne show, 1913, 1st cockerel, \$20.00 cup for champion male Barred Rock, certificate on \$75.00 challenge cup for champion male of entire show, and 5th hen. Eggs, \$2.00 and \$5.00 per 15. Earl Wise, Corunna, Ind. 3-5

PARTRIDGE PLYMOUTH ROCKS. Write, get my prices and guarantee on eggs for setting of these beautiful and utility birds. Wm. Subling, Kampsville, Ill. 4-5

"RINGLET" BARRED ROCKS win at the great St. Louis show, 1912. 1st cockerel, 2d pullet, 2d pullet mated pen. Eggs \$3.00 to \$5.00 per 15. Your inquiry cordially invited. E. B. Thompson strain direct. E. A. Webb, Ewing, Ill. 4-6

WHITE PLYMOUTH ROCKS—Farm raised, big boned; 3 10-lb. cks. at \$3 each—quick. Eggs at \$5, \$3 and \$2 per 15. Order today. E. A. Hayward, Cooksville, Ill. 4-5

COLUMBIAN ROCKS, AURORA STRAIN, 1st prize winners at New York and Buffalo. Eggs \$3.00 and \$5.00 per 15. Free mating list. Lew H. Bown, East Aurora, N. Y. 4-5

COLUMBIAN PLYMOUTH ROCKS. Eggs for hatching, \$2.00 per 15. Good layers. Samuel L. McKabney, Kane, Ill. 4-5

ROYAL COLUMBIAN ROCKS, first Indianapolis winners. Mating list free. Satisfaction guaranteed. Martin C. Arnolt, R. 1, Columbus, Ind. 4-5

MATHEWS' WHITE PLYMOUTH ROCKS—winners, layers and payers. Stock and eggs for sale. Eggs, \$3.50, \$2.50 and \$1.50 per 15; flock eggs, \$6.00 per hundred. Mention American Poultry Journal. W. D. Mathews, Bowen, Ill. 3-5

PRIZE-WINNING BARRED ROCKS, bred to lay. Fifteen eggs \$1.50. W. O. Irby, Piggott, Ark. 3-5

NEW GOLDEN BARRED ROCKS. Buff or White. The money makers. Could not fill half the orders last season. For information and prices on eggs address G. S. Heinrich, Neenah, Wis. 3-5

"RINGLETS" OF SUPERIOR quality. Pens contain my 1911-12 winners. Eggs from special matings, \$2.50 per 15. Range flock, \$1 per 15. Sadie Sunderland, Jerseyville, Ill. 3-5

\$4.00 PER 100, \$1.00 per setting. Eggs from mammoth Barred Rocks. Weight to 16 lbs. Howard Irvin, Polo, Ill. 3-5

PARTRIDGE PLYMOUTH ROCKS. Premium stock. Eggs, two dollars for fifteen. Mrs. Florence Craun, Butler, Ind. 3-5



## PLYMOUTH ROCKS.

**BARRED ROCKS (RINGLETS).** First prize at Middletown, N. Y. Eggs, \$1.00 thirteen, \$6.00 hundred. Stock for sale. B. Rhodes, Port Jervis, N. Y. 3-5

**RINGLET BARRED ROCKS.** Winning first cock, first cockerel, second, third and fourth hen, second, third and fourth pullet, first pen and special prize for the best Barred Rock at the Green County Poultry Show, Monroe, Wis., December, 1912. Also first cock, third hen, fourth and fifth pullet, second pen at Rockford, Ill., January, 1913. Eggs from cockerel or pullet mating, \$2.50 per 15, \$4.00 per 30, \$7.00 for 60. H. P. Larson, Woodford, Wis. 3-5

**GET THOSE LARGE BROWN EGGS** from my prolific Barred Rocks. Pens headed by superb males, whose mother's record exceeds 200 eggs in pullet year. C. A. Newcomb, Celina, O. 3-5

**"FISHEL" WHITE ROCKS** direct. Eggs, \$3.00 per 15. Catalog free. Plummer McCullough, Mercer, Pa. 3-5

**BUFF ROCK EGGS** from fine utility birds. Average score about 92 points. \$1.50 per 15; \$7.00 per 100. J. A. Heiser, Fisher, Ill. 3-5

**BENNETT'S BARRED ROCKS** are winners. Eggs, \$1.50 per setting; \$5.00 per 100. Special matings, \$3.00 setting. Bradley Bros., Strain baby chicks. Circular. R. M. Bennett, Box 591, South Charleston, Ohio. 3-5

**PARKS' 200 EGG BARRED ROCKS.** Pens headed by sons of 217, 238, 242 eggs hens. Hens with sworn records, 217, 225, 237, 238, 246, 247 eggs. 15 eggs, \$2.00. Circular free. Frederick Matteson, 3808 Woodley Lane, Washington, D. C. 4

**WHITE ROCKS, FISHEL DIRECT**—Eggs, 100, \$5.00 pens \$1.50, \$3.00 fifteen. John Schaffstein, North State, Evansville, Ind. 4-5

**WHITE ROCKS.** Heavy laying stock, \$1.50 per setting. Theodore Poole, Syracuse, N. Y. 4-5

**WORLD'S BEST STRAIN BUFF ROCKS!** Five splendid matings. Eggs, \$3 per 15. Fertility guaranteed. Mating list free. Frank Kramer, Fort Atkinson, Wis. 2-5

**FOR SALE**—Barred Rock Ringlet eggs, cockerel mating \$1.50 per 15; pullet mating, \$1.50 per 15; utility, \$1.00 per 15; \$5.00 per 100. Mrs. Mabel Morse, Monroe City, Mo. 3-5

**WHITE PLYMOUTH ROCK Hatching Eggs.** "White Queen's" year record is 237 eggs. Ninety in 92 successive days. Our breeders average 180 eggs. Send stamp for handsome circular. R. C. Caldwell, Box 1063, Lyndon, Ross Co., Ohio. 3-5

**RINGLET ROCKS.** E. B. Thompson strain. Eggs, 15, \$3; 50, \$5; 100, \$8. B. H. Gross, Whiting, Iowa. 3-5

**FISHEL WHITE ROCKS.** Hatching eggs from selected two-year-old stock, \$1.00 for 15; \$6.00 per hundred. R. B. Evans, Oxford, Ind. 3-5

**WHITE ROCKS**—Pure Owen strain. Sweepstakes pen headed by "Woodrow Wilson," champion cock, first four pullets Charleston, West Virginia. Also winners Ashland, Kentucky. Eggs, three dollars for fifteen. J. A. Willis, Coalburgh, W. Va. Member White Rock Club. 3-5

**PARTRIDGE ROCK EGGS.** From large, vigorous stock, \$2.00 for 15, \$3.00 30. Hez Kinter, Dillsburg, Pa. 3-5

**BUFF ROCKS**—Farm reared, grand matings, stock reasonable. Geo. Bartlett & Son, Seymour, Ind. 3-5

**BUFF ROCK EGGS.** Write for free mating list. Vere L. Ringle, Box 124C, Atlantic, Iowa. 3-5

**RINGLET BARRED ROCKS.** Eggs from special exhibition matings, \$3 and \$5 per 15. Utility, 15, \$1.50; 45, \$3; 100, \$6. Write for mating list and show winnings. Mrs. J. M. Kemp, Kenney, Ill. 3-5

**HEDGES' PEDIGREED WHITE ROCKS.** Winners. Layers. Egg records to 255. Eggs, \$2.00, \$3.00, \$5.00, \$10.00 per 15. Mating list free. Miss Alice M. Hedges, Pana, Ill. 3-5

**GET YOUR BARRED ROCK** eggs from the Standard Poultry Farm, Boone, Iowa, and you will get quality. Eggs, fifteen, \$1.00; hundred, \$5.00. 3-5

**HIGH CLASS WHITE PLYMOUTH ROCKS.** Fishel strain; 15 eggs \$1.00, 100 eggs \$5.00. George Lehmkuhl, Box 182, New Bremen, Ohio. 3-5

**PARTRIDGE ROCK EGGS.** Stock sired by Madison Square winners. Catalogue. Mart Rahn, R. 20, Clarinda, Iowa. 3-5

**"RIVERDALE" PARTRIDGE ROCKS** stock for sale. Eggs from six choice pens. R. F. Schuler, Roann, Ind. 3-5

**BARRED PLYMOUTH ROCK** eggs for hatching \$2 per 15, cockerel or pullet mating. G. L. Hart, R. 1, Princeton, Ill. 3-5

**BRADLEY'S BARRED ROCK EGGS.** Pens contain prize winners. Setting, \$3.00, \$5.00. Cockerels, \$3 up. Mating list free. E. G. Burton, Greenup, Ill. 3-5

**BARRED PLYMOUTH ROCKS.** Bradley Bros., and Latham's best pure, winning 14 firsts at Bethlehem, Easton and Stroudsburg, Pa., last season, 12 firsts at Allentown, Bethlehem, Easton, Pa., also Trenton, N. J. Stock and eggs for sale. Circular. Castner & Dundas, Phillipsburg, N. J. 3-5

**PARTRIDGE PLYMOUTH ROCK** cockerels for sale, \$2, \$3, \$5, \$10 each. Eggs, \$1.50, \$2.50, \$5, \$10 per setting of 15. Orders will have prompt and careful attention. G. M. Spurgeon, Worden, Ill. 4-6

**"RINGLET" BARRED PLYMOUTH ROCKS.** Having purchased the good will and the most of Ringlet Hill Poultry Farm's Best Matings I am ready to furnish you eggs from very best stock to rear your Blue Ribbon winners. Mrs. J. T. Powell, R. F. D. No. 2, Gardner, Ill. 3-5

**FISHEL WHITE ROCK** Eggs. Fancy pens, \$3.00 per 15; utility, \$1.50. Mating list free. T. F. Richardson, Evanston, Ill. 4-6

**EGGS FROM PURE BRED** Plymouth Rocks, Ringlet strain, at \$1.00 for 13. William M. Doig, Walton, N. Y. 3-5

**GOLDEN BELL BUFF ROCKS.** Handsome booklet with photos from life free. Baby chicks and eggs reasonable. H. L. Ragsdale, Centralia, Ill. 3-5

**IMPERIAL "RINGLET" BARRED ROCKS.** Mated by expert judge. Special pens, \$1.50, \$3.00, \$5.00 per 15 eggs. Utility, \$5.00 100. Fertility guaranteed. Maple Grove Farm, Route 9, Decatur, Ill. 3-5

**SNOOK'S WHITE PLYMOUTH ROCKS.** Eggs from sturdy stock on free range, \$1.50 per 15, \$7.50 per hundred. Infertile eggs replaced. Satisfaction guaranteed. D. W. Snook, Lewistown, Md. 3-5

**WHITE ROCKS**—Some good stock for sale, and eggs now ready from choice birds. Bessie Bush, La Hogue, Ill. 3-5

**FISHEL WHITE ROCKS.** Eggs, \$2.00 per 15. Geo. Ashdown, 3859 Park Ave., Chicago. 3-5

**WOODSIDE PARTRIDGE ROCKS.** America's best strains. Blue ribbon winners at Buffalo, Rochester, Geneva. Eggs, \$3.00 per 15. Woodside Farm, Middleport, N. Y. 3-5

**PARTRIDGE ROCKS OF QUALITY,** 15 eggs \$2.50. Cockerels cheap. J. A. Stormont, Salem, Ill. 3-5

**WHITE ROCK COCKERELS,** Fishel's, Barred Thompson's, \$3. Eggs, 15, \$1; 100, \$5. A. R. Lee, Sawyer, Mich. 3-5

**"RINGLET" BARRED ROCK** eggs. Both matings, 15, \$1.50; 30, \$2.50. Incubator eggs, 100, \$5.00. Mrs. R. M. Parker, Kenney, Ill. 3-5

**BARRED ROCKS.** E. B. Thompson strain direct. Eggs from pullet and cockerel matings, \$3.50 per 15, \$6.00 per 30. My winnings in January, 1913, at Madison: First, 2nd, 4th, 5th pullet; 1st, 3rd hen; 3rd cock; 1st pullet-bred pen; 3rd cockerel-bred pen; 1st exhibition pen; special on shape pullet; special on color hen. Utility eggs, \$5.00 100. Mrs. E. A. Oliver, Belleville, Wis. 3-5

**RINGLET BARRED ROCKS.** E. B. Thompson's strain direct. Vigorous, farm-range stock. Eggs, well packed, \$1.00 for 15; \$4.00 per hundred. Ade Stevens, De Pauw, Ind. 3-5

**AM NOW BOOKING ORDERS** for eggs from bred-to-lay Barred Rocks. Eggs from mature matings, nice, big, healthy, well marked, free range, bred for quality and utility. Write for prices. Mrs. J. W. Bugg, Assumption, Ill. 3-5

**WHITE ROCK EGGS** and chicks. Direct Fishel blood, 15 eggs, \$3; 50, \$5. Will replace infertile eggs. Chicks, 25, \$5.00; 50, \$9.00; safe delivery or replace. Everything we sell guaranteed first quality or money back. \$10 orders prepaid. Fairview Training School, Frenchtown, N. J. 4-6

## LEGHORNS.

**SINGLE COMB WHITE LEGHORNS.** Choice stock reasonable. Eggs, \$1.50 per 15, \$6.00 per 100. August W. Schroeder, St. Peter, Ill. 5

**S. C. WHITE LEGHORN** pullets, eight and twelve weeks old. Baby chicks, June delivery, \$9.00 per 100. Satisfaction guaranteed. Harry Palmer, Middleport, N. Y. 5

**S. C. W. LEGHORNS.** My pens contain winners at Chicago and other shows, as fine birds as you will find anywhere. My prices are as low as you pay for ordinary stock. Write me your wants. I will please you. Robt. T. Brown, R. F. D. 4, Springfield, Ill. 5-7

**BUFF LEGHORNS**—Five hundred fine utility pullets (year old next month) for sale. One dollar each. Prime condition. William Everhard, Wadsworth, Ohio. 5

**CORNING, YOUNG AND OTHER SELECTED** breeders, \$75.00 per hundred. Early delivery. Olden Oak Fowl Farm, Kansas City, Mo. 5

**ROSE COMB WHITE LEGHORNS,** Elephant strain. Always winners. Range eggs, 15, \$1.50; 100, \$5.00; pen, 25c each. Circular. Rogers Ranch, Pleasanton, Iowa. 3-5

**"AMERICAN QUALITY" SINGLE COMB** Buff Leghorns. "Bred for Eggs, but they Win." Egg records, 180-224 yearly. Stock, eggs, chicks priced right. Mating list. L. M. Munger, De Kalb, Ill. 5-6

**HIGH CLASS SINGLE COMB** White Leghorns (Young's direct). Splendid layers: 15 eggs, \$1.00; 50, \$3.00; 100, \$5.00; 200, \$10.00. Strictly fresh laid. Henry Heitkamp, New Bremen, Ohio. 5

**SINGLE COMB BUFF LEGHORNS**—Chicago, St. Louis, Milwaukee winners. Circular. Chris H. Leitner, Elgin, Ill. 5

**\$3.50 PER HUNDRED** guaranteed fertile eggs. Welda's Vitality Strain Single Comb Brown Leghorns have a 7-year flock average egg record of 211 eggs per hen yearly. World's Leading Layers. Price Smasher Catalogue Free. Record laying hens for sale. Males, K. K. Welda, Seville, Ohio. 5-7

**S. C. WHITE LEGHORNS.** Young's strain. \$1.00 for 15, \$3.00 for 50, \$5.00 per 100. Woodlawn Farm, Sterling, Ill. 5

**SINGLE COMB WHITE LEGHORN** cock—cost at Young's \$40 for \$20. Superfine Coates cock at \$25. Eggs, \$5 per fifteen. L. M. Herrington, McKees Rocks, Pa. 5

**ROSE COMB WHITE LEGHORNS,** first Chicago winners. Catalogue. Thos. Brogden, Rush Lake, Wis. 5

**FOR SALE ENTIRE FLOCK** of Quality Rose Comb White Leghorns, consisting of 14 hens and 3 cocks. Inquire H. Olson, Weyauwega, Wis. 5

**SINGLE COMB WHITE LEGHORN** day-old chicks, \$10.00 per 100. Eggs, 15, \$1.00; 100, \$4.00, 1,000 breeders. Wonderful layers. Standard bred stock. Order from this ad. Colton Egg Farm, R. 4, Aurora, Ill. 5

**WHITE LEGHORN EGGS** from highest quality, healthy, egg strain, "Northern Bred" stock, \$5.00 per hundred, free delivery during May and June. Order or get booklets. Point o' Pines Poultry Farm, Reserve, Wis. 5-6

**ROSE COMB BUFFS**—Fine young stock bred for business and beauty. Early hatched, farm raised, sold at moderate prices. Eggs in season. Member American Rose Comb Buff Leghorn Club. Willis Brown, Slippery Rock, Pa. 5

**SINGLE COMB BUFF LEGHORNS.** Standard bred, 15 eggs, \$2.00. Mrs. Joseph B. Ruff, Hammond, Ind. 5-7

**SINGLE COMB WHITE LEGHORNS** exclusively. They have the range; 15 eggs \$1.50, 100 eggs \$5.00. Satisfaction guaranteed. Blue Springs Specialty Farm, Griggsville, Ill. 3-5

**SINGLE COMB BUFF LEGHORNS.** Standard bred, no better winter layers. Eggs, \$1.50 to \$3.00 per setting, \$5 to \$10 per 100. A. W. Welch, Versailles, Ind. 3-5

**BUFF LEGHORNS, SINGLE COMB.** Cockerel scoring 91½ mated to hens. Best hen scores 93¼. Layers. Eggs, \$1 per 15. Dr. W. L. Lamb & Son, Appleton, Wis. 3-5

**SINGLE COMB WHITE LEGHORNS,** show winners, excellent layers. Eggs, 100, \$5. Fruit Hill Egg Farm, Carrollton, Ill. 3-5

**BEST S. C. WHITE LEGHORNS.** Crystal White strain. Cleveland, Mansfield, Akron winners. Fifteen eggs, \$2; 100, \$10. Fertility guaranteed. Cockerels, \$2; chicks, 25c. Circulars free. Sunnyside Farms, Brooklyn, Cleveland, Ohio. 3-5

**SINGLE COMB WHITE LEGHORNS**—Choice matings, 15 eggs \$1.00; 100, \$5.00. Satisfaction guaranteed. R. C. Cooper, Downers Grove, Ill. 4-6

**S. C. W. LEGHORNS.** Young's strain, 15 eggs from 4 all-star exhibition matings, line bred from first prize winners at Madison Square Garden, \$3; 100, \$15. From free range flocks headed by grand males, mostly pedigreed, 15, \$1.25; 100, \$6; 1,000, \$55. 80 per cent guaranteed fertile or clear eggs replaced free. Prepaid after May 15th. Circular free. Louis J. Perrier, Box A, Bonnots Mill, Mo. 4-5

**SINGLE COMB WHITE LEGHORN** hatching eggs from stock bred for size, shape, vigor and laying, \$4.00 per 100. A. O. Howard, Tecumseh, Mich. 4-5

**ROSE COMB BUFF LEGHORNS.** Best strain. Pens of highest scoring birds. Eggs, \$2.00 and \$1.50 per 15, \$6.50 per 100. Otto Wappler, Monona, Iowa. 3-5

**WHITE LEGHORNS**—Business birds, good size, healthy and vigorous; bred for high class commercial purposes. Breeders are yearling hens. Eggs, \$6.00 per 100; chicks, 15 cents, or \$12.50 per 100. Send for booklet. W. B. Candee, DeWitt, N. Y. 3-6

**HIGHLINE POULTRY FARM** Single Comb White Leghorns. Baby chicks, \$10.00 per 100. Eggs for hatching, \$1.00 per 15, or \$5.00 per 100. Safe delivery guaranteed. O. L. Peyton, Pisgah, Iowa. 3-5

**CHICAGO WINNERS**—Rose Comb White Leghorns. Illustrated Catalogue. Edward L. Beach, Lincoln, Illinois. 8-5



## LEGHORNS.

**BLOUCH'S OLD RELIABLE** Strain Single Comb Buff Leghorns. Winners at America's best shows. Stock, eggs and chicks. Catalogue free. Buff Leghorn Poultry Yards, Annville, Pa. 3-5

**WYCKOFF-FERRIS DIRECT.** Single Comb White Leghorns. Hatching eggs from these large, vigorous, heavy laying breeders, \$6.00 per 100; for less, 7 cents each. Milwaukee Poultry Yards, 500 Beulah Ave., Milwaukee, Wis. 3-5

**SINGLE COMB WHITE and Rose Comb Brown Leghorns.** Eggs, \$1.00 per 15, \$3.00 per 50, \$5 per 100. Bred for egg production. C. Haag, Chadwick, Ill. 3-5

**BEACHCROFT POULTRY FARM**—Single Comb Brown and Buff Leghorns. Chicks, 15 cents each; eggs, \$5.00 per 100. V. R. Beach, Fairfield, Conn. 3-5

**SINGLE COMB WHITE LEGHORNS.** Am one of the oldest and best breeders in Northwest. Stock, eggs, day-old chicks for sale. Henry Hintermister, Room A, 553 Wabasha Street, St. Paul, Minn. 3-5

**HIGH CLASS SINGLE Comb White Leghorns.** Heavy winter layers. Fifteen eggs, \$1; 50, \$8; 100, \$5. Audrey Percy, Route 5, Martinsville, Ind. 3-5

**S. C. BUFF LEGHORN** eggs from prize winners in Boston, Providence and Worcester shows, \$2 and \$1.50 per 15. George S. Whittemore, Leicester, Mass. 3-5

**S. C. W. LEGHORNS** bred from Chicago and other leading show winners. Eggs that will produce great layers and winners. Setting, \$1.50; 100, \$5.00; 1,000, \$45. Good hatch guaranteed or order replaced at half price. J. P. Hurraw, Wilmet, Ohio. 3-5

**S. C. BUFF LEGHORNS** from Chicago prize winners. Eggs, \$3, \$2, \$1. Chicks, F. P. Rosenberger, Tiffin, Ohio. 3-6

**S. C. BROWN LEGHORNS**—Farm raised and bred to lay; eggs for setting, \$1.00 for 15; \$5.00 for 100. Day-old baby chicks, 15c each. F. L. Simonin, Goodland, Ind., R. R. No. 1. 4-6

**ROSE COMB BROWN LEGHORNS**—Boston, New York, Pittsburgh, Cleveland and Chicago winners. Eggs \$1.00, \$2.00, \$3.00 per 15. Both matings, 100, \$10.00. Three extra good show cockerels \$5.00 each. No catalogues. Freedom Poultry Yards, Freedom, Pa. 4-6

**SINGLE COMB BUFF LEGHORNS** as bred by the oldest continuous breeder of this bird in America. Write for circular if you want the best at living prices. S. M. Keltner, Anderson, Ind. 4-6

**50,000 LEGHORNS**—All varieties stock, eggs and day-olds. Poultry, collie, hare catalogue, stamps. Falling Poultry Farm, La Fargeville, New York. 4-6

**26 FULL BLOOD S. C. BROWN Leghorn eggs,** \$1.00. 25 chicks, \$3.00. Mrs. John Morse, Route 4, Avon, Ill. 4-5

**WHITE LEGHORN PULLETS and cockerels,** "Young's." Write H. A. Albert, Johnstown, Pa. 3-5

**EGGS FOR HATCHING** from the above strain. Write for prices. H. A. Albert, Johnstown, Pa. 3-5

**S. C. WHITE LEGHORNS.** Young's strain. \$1.00 for 15, \$3.00 for 50, \$5.00 per 100. Woodlawn Farm, Sterling, Ill. 4

**SINGLE COMB WHITE LEGHORN eggs,** 75c per 15. Wyckoff's strain. Aubrey B. Beall, Davidsonville, Maryland. 4-5

**SINGLE COMB BUFF and White Leghorns.** Utility and exhibition strain combined. Mated with the utmost care to produce the best possible results. Our show records cannot be beaten. Buffs, \$3, \$2 and \$1. Whites, \$1.50 and \$1 per 15 eggs. S. A. Mensch, 86 Walnut St., Forty Fort, Pa. 4-6

**S. C. WHITE LEGHORN** hatching eggs, good stock, \$1.00 per 15, \$5.00 per 100. Wyckoff, the great laying strain, fine stock, \$1.50 per 15, \$4.00 per 50, \$7.00 per 100. Book your orders early. V. J. Yoder, L. B. 214, Topeka, Ind. 4-5

**"MICHIGAN'S BEST BLACK LEGHORNS."** Heavy layers. Free mating list. R. Lane, Charlotte, Mich. 4-6

**BLANCHARD WYCKOFF SINGLE COMB White Leghorns.** 20 eggs for \$1.00, 50 for \$2.25, 100 for \$4.00. Fertility guaranteed. Catalogue free. W. Albers, Lombard, Ill. 4-5

**BUFF LEGHORNS.** Entries in International Egg-Laying Contest; 200-egg strain. Send for mating list. George Schmitt, 4236 Lowell Ave., Chicago, Ill. 3-5

**HATCHING EGGS FROM 92 to 94 Point Single Comb Buff Leghorns.** Tecktonius strain. \$3.00 per setting. Wm. Lynn, Preston, Iowa. 4-5

**S. C. W. LEGHORNS**—Hatching eggs, fertility guaranteed. Day-old chicks, born with the "hustle" in them. Safe delivery guaranteed. Special sale of mature cockerels, \$2.00 each. Mount Pleasant Farm, Mount Pocomo, Pa. 12-5

**SINGLE COMB WHITE LEGHORNS. WYCKOFF EGGS,** \$1.00 per 15; \$5.00 per 100. Young's eggs from prize matings, \$2.00 and \$3.00 per 15. Circular free. J. A. Shineman, Canajoharie, New York. 4-5

**SINGLE COMB WHITE LEGHORNS.** Standard bred, high-scoring, tested 231-egg strain. 100 eggs \$4. V. M. Bearden, Bloomfield, Iowa. 2-5

**ROSE COMB BROWN LEGHORNS.** Kulp's Strain. Eggs, \$1.50 per 15. George Walter, Seven Valleys, Pa. 3-5

**BUFF LEGHORNS (S. C.),** Tecktonius Strain. Eggs, \$3.00 per 15. Henry Shiffer, Allenport, Pa. 3-5

**QUALITY HIGH. PRICE LOW.** Single Comb White Leghorns. Eggs, fifteen, \$1.00; hundred, \$5.00. Standard Poultry Farm, Boone, Iowa. 3-5

**S. C. W. LEGHORNS.** Only 1,500 laying hens; 11 years' experience. Eggs, \$1 15; \$5 100; \$40 1000. Baby chicks, \$12 100. Satisfaction guaranteed. H. C. Boss, Milford, N. J. 3-5

**EGGS FOR HATCHING,** from 93 to 94 Points. Single Comb, Buff Leghorns, Tecktonius Strain. Wm. Lynn, Preston, Iowa. 3-5

**EGGS FROM TRAPNESTED S. C. White Leghorn** hens, egg record, 200 to 237, \$3.00 for 15. Pullet eggs, \$1.50. Carl J. Jensen, Waukegan, Ill. 3-5

**SINGLE COMB WHITE LEGHORNS.** Very white. Heavy egg strain. Scoring to 96. Winners Columbus, Toledo, Dayton, etc. Large sized. Satisfaction guaranteed. I. R. Mankel, Upper Sandusky, Ohio. 4-6

**SINGLE COMB WHITE LEGHORNS.** Eggs and baby chicks for sale. Stock as good as anybody has got. C. P. Stow, Burt, Iowa. 3-5

**S. C. BROWN LEGHORNS.** Why do my birds always win? There's a reason. Free mating and price list. Eggs and stock for sale. Dr. O. G. Grady, Orrville, Ohio. 3-5

**SINGLE COMB WHITE LEGHORNS.** Young's strain. Eggs, \$1.00 per 15; \$5.00 per 100. Albert N. Mars, 253 Terrace, Muskegon, Mich. 3-5

**R. C. BUFF LEGHORNS.** Chicago and Racine winners. Eggs for hatching. Mating list sent. Dr. Pechn, Corliss, Wis. 3-5

**PEDIGREED S. C. BUFF LEGHORNS.** Stock and eggs bred from hens with records between 219-267. Mated to 250 record blood. Egg record and show points combined. Winners at Los Angeles, Indianapolis, Columbus, Racine and Kansas state show. Bargains in breeders now. Dr. Loren Heasley, Widdicomb Bldg., Grand Rapids, Mich. 3-5

**FOR SALE—ROSE COMB White Leghorn** hatching eggs from pens bred to lay. \$5.00 per 100; \$40.00 per 1,000. No orders for less than 100. Full Blood Rose Comb White Leghorn chicks for April and May delivery. \$15.00 per 100; \$125.00 for 1,000. Send orders for future delivery now. Address Wm. Harding, Mgr., care Funk Egg Farm, McLean, Ill. 3-13-14

**BUFF LEGHORNS.** Single Comb, grand colored, large birds. Prize winners and real egg producers. Stock for sale. Eggs, \$2.00 per 15, or \$10.00 per 100. Eggs, \$1.00 per 15, or \$5.00 per 100. Geo. C. Schwegman, Richmond, Indiana. 3-6

**TRAP-NESTED S. C. WHITE Leghorns**—Lake-wood layers, the big kind. Trap-nested years for size and heavy laying. Raised on free range, and housed in open front houses; no healthier or better layers grown. Eggs—100, \$5; 50, \$3; 15, \$1. Circular free. G. S. Cooke, Huron, Ohio. 2-5

**SILVER LEGHORNS A SPECIALTY**—10 yrs. a breeder of this beautiful variety. Circular free. Sylvester Shirley, Port Clinton, Ohio. 2-13-14

**SINGLE COMB WHITE LEGHORNS.** Exclusively farm raised, pure, healthy stock; splendid layers. Eggs, 100, \$5.00; 200, \$8.50; 300, \$12.00. D. Kirchhofer, Box 150, Dalton, O. 3-5

**CAN SPARE A FEW EGGS** from an extra choice mating of my prize winning S. C. White Leghorns at fifteen cents each. H. C. Lloyd, Hobart, Okla. 2-7

**CORNING'S AND FIRST** quality Cyphers' Strains direct, S. C. White Leghorns. Day-old chicks, \$1.50 per hundred; eggs, \$6.00. Cockerels, \$15.00 to \$15.00. Send for circular. St. Johnsville Poultry Farm, St. Johnsville, N. Y. 3-5

**KIMBROUGH LEGHORN FARM,** Orland, Ill. Hen-hatched, range-bred, Single Comb White Leghorns. "Perpetual laying machines." Eggs, \$1.00 per 15; \$4.00 per hundred. 4-5

**TECKTONIUS R. C. BUFF Leghorns.** Pens contain winners of largest shows. Eggs, \$2.50, \$4.00. H. O. Tibbitts, Rt. 4, Brunswick, O. 3-5

**SINGLE COMB BUFF LEGHORNS.** The Hardest, Healthiest and most Vigorous Chicken. Winter layers. Eggs \$1 per setting, \$2.50 for 50, \$4.50 for 100. Pleasant View Farm, Ashland, Ohio. 3-5

**SINGLE COMB BROWN LEGHORNS;** large prolific kind; every bird a typical Leghorn. Eggs 95c per 15; \$2.50 per 50; \$4.50 per 100. Charles Masters, Ashland, Ohio. 3-5

**ROSE COMB BROWN LEGHORNS.** Eggs, circular. G. J. Donahue, Box 57, Delavan, Wisconsin. 3-5

**ROSE COMB WHITE LEGHORNS.** 15 eggs \$1.00; 50, \$3.00; 100, \$5.00. Cockerels, pullets, \$1.50 each. Henry Schowe, New Bremen, O. 3-5

**WYCKOFF'S AND YOUNG'S STRAINS**—heavy laying, pure bred Single Comb White Leghorns. Eggs, \$1.00 per 15; \$5.00 per 100. Immediate shipment. Satisfaction guaranteed. Beaver Dam Poultry Farm, Beaver Dam, Wisconsin. 3-5

**BLACK LEGHORNS**—Blue Ribbon winners, Columbus, Toledo and Cleveland. Eggs \$2.00, \$3.00, \$5.00 per setting. Scott Long, Carey, Ohio. 3-5

**SINGLE COMB WHITE LEGHORNS.** Eggs \$1.50 per 15. Geo. Ashdown, 3859 Park Ave., Chicago. 3-5

**SINGLE COMB BROWN LEGHORNS,** bred for size and eggs; 15 eggs \$1.00; 50, \$2.25; 100, \$4.00. Queen Quality Poultry Farm, Pekin, Ind. 3-5

**CORNING STRAIN SINGLE Comb White Leghorns.** Hatching eggs, \$1.00 for 15; \$6.00 per 100. R. B. Evans, Oxford, Ind. 3-5

**RUSSELL'S 200 EGG STRAIN** Modern Exhibition Single Comb Brown Leghorns. Highest awards. Birds of quality. Eggs or baby chicks. Prices reasonable. Catalog free. F. H. Russell, Box 26, Wakeman, Ohio. 3-5

**SINGLE COMB WHITE LEGHORNS (Young's and Wyckoff's strains direct);** 15 eggs, \$1.00; 50, \$3.00; 100, \$5.00; 200, \$9.50. White Feather Farm, New Bremen, Ohio. 3-5

**SINGLE COMB BROWN LEGHORNS**—Buy stock and eggs from birds of quality; 1st cockerel special shaped male at Springfield State Show; 2 entries. Write your wants. A. L. Lehman, Toulon, Ill. 3-5

**SINGLE COMB WHITE LEGHORNS.** Winners wherever shown. Eggs for hatching. Birds scoring 94 to 96%. Satisfaction guaranteed. Write for circular. George Klein, Defiance, Ohio. 3-5

**SINGLE COMB BROWN LEGHORNS,** bred for size, eggs and to win. Eggs, best special matings, 15, \$1.00; 50, \$2.50; 100, \$4.00. Mrs. John Dietrich, Borden, Ind. 2-5

**FISK'S ROSE COMB BUFF LEGHORNS** are Madison Square winners; great layers; catalogue free. Howard J. Fisk, Box A, Falconer, N. Y. 10-12-1 yr.

**WYCKOFF—S. C. WHITE LEGHORNS.** Special breeding cockerels. Order eggs now, delivery when desired. E. R. Mosser, Hendricks, W. Va. 1-6

**BLANCHARD-WYCKOFF S. C. W. Leghorns.** Twenty years with these strains. Hatching eggs, day-old chicks great specialties. Largest orders filled promptly, fully guaranteed. Circulars. Furnished foundation stock for Corning plant, Bound Brook, N. J. C. N. Reynolds, Canton, Pa. 2-7

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**CAN TAKE FEW MORE ORDERS** for White Wyandotte eggs. We breed Regal strain, our birds are admired by all who see them. Won the best prizes at fall fair, only place shown. Eggs, \$2 and \$3 per 15, according to quality. Two pens mated both headed by prize winners. We guarantee satisfaction and always make special efforts to please. F. A. Graham, Compton, Ill. 5

**WHITE, SILVER, BUFF WYANDOTTES.** Choice stock reasonable. Eggs, \$2.00 per 15, \$8.00 per 100. August W. Schroeder, St. Peter, Ill. 5

**COLUMBIAN WYANDOTTES.** Great reduction. Eggs, 10 cents each. Breeders, males, \$3; females, \$1.50. Your opportunity. Geo. H. Damon, Reading, Mass. 5

**BUFFS ONLY**—Fine lot of young stock, bred for business and beauty. Early hatched, farm raised, sold at moderate prices. Eggs in season. Member American Buff Wyandotte Club. Willis Brown, Slippery Rock, Pa. 5

**FISHEL STRAIN WHITE WYANDOTTE eggs,** \$2.50, \$3.50, \$5.00 per 15. Detroit prize pens, daughters of 240-egg hen, to \$20. Fishel bird his 8½-pound cockerels, 9 and 10-pound cocks mating. Stock. Write for mating list. A. J. Smith, 528 Crawford, Detroit, Mich. 5-13-14

**COLUMBIAN WYANDOTTE EGGS REDUCED** to \$1.50 per fifteen from high class stock, all bred from prize winners, standard markings and shape. Large, vigorous birds raised on free range. Heavy winter layers. Fertility guaranteed. Choice breeders very reasonable after June 1. Arthur Schaack, 605 Rohms Ave., Detroit, Mich. 5

**GOLDEN WYANDOTTES.** EGGS FROM prize-winning stock. Pen No. 1, \$3.00 per 30, or \$5.00 per 60. Send for prices larger lots. Jos. W. Spiekermeier, West Point, R. 4, Iowa. 3-5

**WHITE WYANDOTTE** stock and eggs for sale. Hens scoring 93 to 94%, \$1.50 and \$2.00 each. Eggs, \$1.50 and \$2.00 setting. Barthel Bros., Lincoln, Ill. 5



## WYANDOTTES.

**PARTRIDGE WYANDOTTES.** Eggs from Blue Ribbon Winners, one dollar per 15. James Schrubbs, Urbana, Ohio. 5

**PARTRIDGE WYANDOTTES—Part Wolverine strain.** Eggs, \$1.00 per 15; \$6.00 per 100. Satisfaction guaranteed. A. L. Spohn, Shelbyville, Ind. 5-6

**SILVER WYANDOTTES** exclusively. Birds bred from prize-winning stock. Eggs from first and second pens, \$1.50 per 15. Farm range, \$1.00 per 15, or \$6.00 per 100. Spring Ridge Farm, Cassopolis, Mich., Cass Co., R. F. D. 5, Wm. S. Parish, Manager. 3-5

**WHITE WYANDOTTES.** Five select pens, Regal strain. Eggs, \$2.00 per 15; \$5.00 per 100. A few hens, pullets and choice cockerels to spare. Send for mating list. Ten years' pure breeding. F. P. Martin & Sons, Logan, Ohio. 3-5

**WHITE WYANDOTTE** eggs for hatching. Will Cragg, Jr., Coffeen, Ill. 4-5

**WHITE WYANDOTTE** 95-point scored males. Eggs, \$1.25 per 15. John F. Qualls, Temple Hill, Ill. 4-6

**WHITE WYANDOTTES—Two loving cups, 16 firsts at 4 shows; eggs from four prize pens, 20c each; utility pens, \$1.00 15, \$5.00 100. Breeders score 92 to 96½. Ezra Phillips, Ewing, Ill. 4-5**

**WHITE WYANDOTTES—Very best of stock and eggs.** Elmer Gimlin, Taylorville, Ill. 4-6

**SILVER WYANDOTTES.** Choice cockerels and pullets. Resemble breed from my Chicago and Kansas City winners. Eggs from these winners, \$2.00 per 15, \$8.00 per 100. Mrs. Louise Schroeder, St. Peter, Ill. 3-5

**THE WORLD'S BEST UTILITY BREED** Silver Laced Wyandottes. Eggs \$1.00 per 15 from record stock. E. W. Card, Oneonta, N. Y. 3-5

**SILVER WYANDOTTES—Best blood lines in America.** Eggs from my best pen, per setting Five Dollars. Elmer Skinner, Byron Center, Mich. 3-5

**WHITE WYANDOTTES—"THE KIND THAT LAY."** An established line of heavy layers, making certified high records at Storrs, Conn., and Mt. Grove, Mo.—competition open to world. Eggs and chicks. Send for literature. W. B. Candee, De Witt, N. Y. 3-6

**PARTRIDGE WYANDOTTE EGGS** for hatching, \$2.00 per 15; \$3.75 per 30. Bred from World's Fair winners. Herman Timm, Chebanse, Ill. 3-5

**BLUE RIBBON SILVER WYANDOTTES—**Winners at Milwaukee and Waukesha shows. Eggs from pen including these birds, \$3 per fifteen; \$1.50 per fifteen from second pen. Cockerels and pullets for sale. E. Blenkinsop, West Allis, Wis. 3-5

**WHITE WYANDOTTES,** fancy and utility, 15 eggs \$2.00. L. D. Rockefeller, Bunker Hill, Ill. 3-5

**WHITE WYANDOTTES EGGS.** Write me your wants. Orlo Sheehan, Ludlow, Ill. 3-5

**PARTRIDGE WYANDOTTES.** Winners. Send for mating list, which gives season's winnings. Eggs. A. G. Thompson, Franklin, N. H. 3-5

**WHITE WYANDOTTE EGGS** for sale, from prize winners and winter layers. Prices right. Circular free. Od. A. Burt, Albany, Wis. 3-5

**ROBERTS' PARTRIDGE WYANDOTTES—**I always win at the big shows. Stock for sale. I am booking orders now for eggs. My young stock is the best I ever raised. G. A. Roberts, Warren, Ind. 3-5

**PARTRIDGE WYANDOTTES—Silver Cup winners.** Stock scoring 91½ to 94. Eggs, three to five dollars per fifteen. Ivan Barnes, Laurence, Mich. 3-5

**WHITE WYANDOTTE EGGS,** \$5.00 100. March. Cheaper later. Russell Simpson, Palmer, Ill. 3-5

**SILVER LACED WYANDOTTES** Exclusively—eighteenth year. Clear black and white open lacing. Eggs from prize matings, \$1.50 per 15; \$2.50 per 30. Satisfaction guaranteed. A. D. Long, Blooming Glen, Pa. 3-5

**SILVER WYANDOTTES EXCLUSIVELY** for 30 years. Eggs from seven grand matings, including all my two years' prize winners at Easton, Allentown, Pa., Philadelphia, and Madison Square Garden shows. Send for mating list. M. H. Leidy, R. F. D. 2, Souderton, Pa. 3-5

**WHITE WYANDOTTES—"Fishel and Duston"** Strains. Eggs, \$2.00 for 15. Stock for sale. M. F. Redford, Burkeville, Va. 4-5

**COLUMBIAN WYANDOTTES—**Winners first pullet first pen, best display, eight specials, silver cup at Boston show, 1913. All infertile eggs replaced free. Illustrated circular. Harwood Farm, Box C, Littleton, Mass. 4-6

**PETERSON'S SUPERB WHITE WYANDOTTES—**Great layers, great prize winners. Eggs, \$2 to \$5 per setting. Wm. A. Peterson, Box A, Galesburg, Ill. 4-6

**BENNETT'S WHITE WYANDOTTES.** 1st cock, 2nd pen Rockford. Eggs, one-fifty setting, eight dollars hundred. Some fine pullets or hens cheap. J. B. Bennett, Belvidere, Ill. 4-6

**PARTRIDGE WYANDOTTES. EXHIBITION** stock. Eggs, \$2.00 for fifteen. Smith Realty Company, Box 487, East St. Louis, Ill. 3-5

**FIFTEEN PARTRIDGE WYANDOTTE EGGS** one dollar. H. B. Scranage, R. 4, Grafton, West Virginia. 3-5

**WHITE WYANDOTTES A SPECIALTY** for 10 years. Won eight ribbons on eight entries at Marion show, Nov., 1912. True bred stock of high quality. Write C. S. Burnside, Meeker, Ohio. 3-5

**COLUMBIAN WYANDOTTES—**Prize winners, great layers; reasonable prices. Send for mating list. Hobart's Columbians, Box A, Pemberville, Ohio. 3-5

**WHITE WYANDOTTES EXCLUSIVELY.** Foundation of my stock direct from Fishel, Owen Farms and Cyphers Incubator Co. Bred to standard, extraordinary heavy winter layers. Prices of eggs, prepaid, \$2.50 per 15, \$4.50 per 30, \$6.00 per 45. Hatch guaranteed. W. T. Noland, Specialist Breeder, Box 546, Dewey, Okla. 3-5

**WHITE WYANDOTTES. DUSTON** Strain direct. Fine layers and blue ribbon winners. Eggs, \$1.50 for 15. Special matings, \$3.00 for 15. Satisfaction guaranteed. Geo. Reiling, Burnt Prairie, Ill. 3-5

**COLUMBIAN WYANDOTTES EXCLUSIVELY.** Vigorous, blocky, bay eyes; great layers. Ft. Wayne winners. Eggs, \$1.15, \$3.50. Columbian Wyandotte Yards, Poneto, Ind. 3-5

**COLUMBIAN WYANDOTTES.** Eggs, \$2 per 15. Mrs. L. B. Higgins, Salem, Ind. 3-5

**PARTRIDGE WYANDOTTES.** Eggs from choice pen, \$1.50 per 15. Stock for sale. Fred M. Haas, Machias, N. Y. 3-5

**WHITE WYANDOTTES—RUDY'S PERFECTION** Strain. Direct from noted prize winners. One grand \$25 Rudy cock bird heading an exhibition pen; \$3 per 15. Two other superb pens headed by sons of Pen No. 1. \$1.50 per 15, \$7.00 per 100. W. J. Carey, Winnetka, Ill. 3-5

**GOLDEN WYANDOTTES** exclusively. Winners wherever exhibited. Cockerels and eggs for sale. F. C. Liles, Collins, Ohio. 3-5

**WHITE WYANDOTTES EXCLUSIVELY.** Scores for 92½ to 95. Chalk-white kind will please; \$4.00 per 100; \$1.50 per 15. Mrs. F. O. Elliot, Kent, Iowa. 3-5

**PARTRIDGE WYANDOTTES, FARM RAISED.** Premier Strain, prize winners. Eggs \$5.00, \$3.00 and \$1.50 per 15. Fifteen fine cockerels, \$10.00, \$5.00 and \$3.00 each. Donna Hanly, Mechanicsburg, Ohio. 3-5

**WHITE WYANDOTTES BRED** for nine years to win and lay. Fifteen eggs, \$1.50; 50, \$4.00; 100, \$7.00. Edward Yetka, R. F. D. 1, Parnassus, Pa. 3-5

**BUFF WYANDOTTES** (Mattison & Toel Strain). Large, rich buff. Blue ribbon winners. Two pens, \$3.00 and \$2.00 per 15. Albert Walters, Sycamore, Ill. 3-5

**FOR SALE—400 WHITE** Wyandottes. Springfield winners. Eggs and chicks. Mating list free. Nathan Hill, Dixon, Ill. 3-5

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**SILVER AND WHITE WYANDOTTES.** Big winners everywhere. Don't fail to send for my mating list and winnings. Quality the best and prices reasonable. Peter Graff 3rd, Box D, Worthington, Pa. 3-5

**WHITE WYANDOTTES,** World's best strain. Pens mated to produce results. Eggs, \$2.00 per 15 and up. Claude O'Dell, Wild Rose, Wis. 3-5

**PARTRIDGE WYANDOTTE EGGS** from the best to be found for eggs and showroom. B. C. Anderson, Muncie, Ind. 3-5

**WHITE WYANDOTTE EGGS** for hatching, \$1.00 for 15; from pens that score 92½ to 97. Write for information. F. E. Grove, Nora Springs, Iowa. 3-5

**ROSE COMB GOLDEN** Wyandotte eggs for sale, \$1.50 per 15. Mrs. Geo. W. Matthews, Pekin, Ind. 3-5

**WHITE WYANDOTTE EGGS** from Sioux City, Des Moines, Clarinda winners. Catalog. Mart, Rahn, R. 20, Clarinda, Iowa. 3-5

**WHITE WYANDOTTES,** bred to lay; 75c per 15 eggs; 2 settings, \$1.25; 100 eggs, 3.75. Janesville Poultry Yards, Janesville, Wis. 3-5

**PARTRIDGE WYANDOTTE EGGS,** \$2 for 15. Circular, giving show record, free. Address William Shreve, Ulrichsville, Ohio. 2-5

**WHITE WYANDOTTES—CHOICE STOCK** and eggs for sale. Write for prices or send 15c for our 224-page poultry book, which contains parcel post map showing how we deliver eggs for hatching right to your home. C. C. Shoemaker, Box 605, Freeport, Ill. 3-5

**BUFF WYANDOTTES—Eggs** from 1st prize pen \$3.00, 2nd prize cockerel matings \$2.00, at Cleveland Shows, 1913. Fine cockerels \$3.00 up. "H. & M." Poultry Farms, R. 6, Chagrin Falls, Ohio. 3-5

**BUFF WYANDOTTES—LAYWINGGOLDS—**Winners at Pittsburgh, Indianapolis, Cleveland, Toledo. Stock and eggs. Rev. Henry James, Kent, Ohio. 2-5

## ORPINGTONS.

**SINGLE COMB WHITE AND BUFF ORPINGTONS.** Choice stock, reasonable. Eggs of Whites, \$3.00 per 15, \$12.00 per 100; Buffs, \$2.00 per 15, \$8.00 per 100. August W. Schroeder, St. Peter, Ill. 5

**BEST LAYERS EVER KNOWN.** Sturtevant's Orpingtons win, weigh, pay. Eggs from birds scoring 95 only 10 cents each. From 96½-point birds, 20 cents. Blacks, Buffs, Diamond Jubilees, Whites (both combs). Send us rush order and get quick service. Hatch guaranteed. Sturtevant Poultry Co., Delavan, Wis. 5

**KELLERSTRASS CRYSTAL WHITE** Orpingtons, pure white, elegant pens, mated, for sale cheap. Eggs, \$2.00 and \$5.00 per 15; \$3.50 and \$9.00 per 30. Catalogue free. E. B. Benson, Latimer, Iowa. 5

**BUFF ORPINGTONS.** Utility eggs from great laying strain. \$2. per 15. A. T. Lukens, Brewster, N. Y. 5

**SINGLE COMB BUFF ORPINGTONS** (Byers Strain.) Eggs at two, three, and five dollars per fifteen. Fertility, safe delivery guaranteed. Pratt-McCormick Orpington Yards, Box 313, Prairie Grove, Ark. 5-7

**KELLERSTRASS S. C. WHITE ORPINGTONS.** Eggs, \$1.50 to \$3.00 per 15. Eight fine cockerels, \$5.00 to \$10.00 each. Write quick. T. J. Hubbard, Birch Run, Mich. 3-5

**FIRST PRIZE S. C. BUFF** Orpington cockerel, Indianapolis and Lafayette, where I refused \$100 cash. Will be mated with ten choice pullets that will produce winners. Booking eggs. Rev. C. L. Merriman, Frankfort, Ind. 3-5

**ROSE COMB WHITE ORPINGTONS,** coming boom breed, Cook strain. Pairs, \$7.00; trios, \$10.00; pens, \$15.00. Eggs, \$2.00 to \$5.00 per setting. Edwin O. Heaton, Scircleville, Ind. 5-7

**KELLERSTRASS WHITE ORPINGTONS—**Eggs, fertility guaranteed. Original stock hatched from eggs direct from Kellerstrass. Great winter layers. Eggs, \$1.25 for 15; \$3.50 for 50; \$6.00 for 100. Woodlawn Farm, Sterling, Ill. 5

**BLACK ORPINGTONS.** Pure bred, high scoring. At three good shows with sixteen entries, fifteen won prizes. C. O. Dye, Caldwell, Ohio. 5-7

**BUFF ORPINGTONS—**Selling entire stock, Bargains. Thomas Murdoch, Galesburg, Ill. 5

**IF YOU WANT EGGS** from stay-white Orpingtons, write me. Thos. Brogden, Rush Lake, Wis. 5

**R. C. AND S. C. WHITE** Orpingtons, \$3 for fifteen. Mating list for a postal card. We specialize in size, type and color. Please write, E. M. Van Petten & Sons, Bloomington, Ill. 3-5

**KELLERSTRASS STRAIN CRYSTAL** White Orpingtons. Eggs, \$1.50 per 15 from stock that produces prize winners. F. R. Brill, Box 41, Hampshire, Ill. 4-6

**SINGLE COMB WHITE ORPINGTONS—**Kellerstrass strain. Stock and eggs. Write for prices. H. C. Broughton, Brodhead, Wis. 2-5

**S. C. BUFF ORPINGTON** Eggs, Owen Strain, from trap nested hens. Thos. Fewtrell, Joliet, Ill. 3-5

**\$3 PER FIFTY EGGS** from 192-egg average S. C. Black Orpingtons. Welday's Beetle Green Strain are the world's leading large bird layers. Stock. Price smasher catalog free. K. K. Welday, Seville, Ohio. 4-6

**S. C. BUFF ORPINGTON EGGS—**Two grand pens. Prize winning stock. \$2.50 and \$1.50 per 15. Book your order. I will guarantee 12 fertile and treat you right. Roy E. Bulechek, Hills, Iowa. 4-6

**BUFF AND WHITE** Orpington eggs that will produce winners and layers, \$1.00 to \$3.00 per 15. Geo. Moyer, Berrien Springs, Mich. 4-6

**WITH A FEW EXTRA** fine imported birds, our Single Comb Buff Orpingtons now stand close to, if not at the top. Eggs now \$2 to \$15 per 15. My 8 years' specializing and experience I know will please and give good results. As to proof, my Buffs won 26 firsts, 100 prizes, as many specials the past two years at New York, Chicago, Springfield, Indianapolis, etc. Send for mating list; it's free. P. W. Windle, Box 8, Mt. Morris, Ill. 4-6



## ORPINGTONS.

**EGGS—MEAT—WHITE ORPINGTONS.** Kellerstrass, Cook, Altamont strains combined. Fertility, 90 per cent. Hatched, 69 per cent. \$1.50 for 15; \$2.50 for 30. Chicks, 17½¢ each. Two-thirds prices after June 1. W. Liggett, R. 3, Yorkville, Ill. 5

\$25 KELLERSTRASS COCKEREL mated to a \$150 pen. Phil White Orpington hens will surely bring something good. 15 eggs, \$3.00; 30, \$5.00. Infertile eggs replaced. Satisfaction or money back. \$10 orders prepaid. Cockerels, \$5.00. Fairview Training School, Frenchtown, N. J. 4-6

**WHITE ORPINGTONS—FOUR UNIFORM pens.** "Kellerstrass Crystal White Orpingtons." Scientifically mated. One pen fully the equal of the other. They are as near perfection as big advertisers of graded pens can get them. My eggs are all one price and my customers get just what they pay for. \$3 per setting; two settings, \$5.00. D. A. Palmer, Box 103, Oak Park, Ill. 4-7

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ANCONAS—250-EGG STRAIN. Chicks. Eggs, \$1.00, \$2.00 per 15; prize winners. Julia Bambach, Ripley, Ohio. 3-5

ANCONA EGG RANCH. C. G. Miller, South Paris, Maine. Large stock. Prize winning Anconas. Wonder bird of the poultry world. Sheppard-Blencoe strains direct. Best Ancona blood in America. Hen hatched, hen brooded, range raised, open housed. Absolutely no white diarrhea in flock. Chicks, 25, \$6; 50, \$11; 100, \$20. High fertility hatching eggs, 15, \$2; 50, \$6; 100, \$10. Parcel post and expressage prepaid. 3-5

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MY ANCONAS ARE MONEY MAKERS, ribbon winners, egg producers. Settings, \$2.00; chicks, \$3.50 doz. Henry Y. Simpson, Auburn, Mass. 1-5

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BUTTERCUP EGGS—Select stock, \$3.00 per 15. Edward Dehler, Waterloo, Ont. 5

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TWELVE MATED PENS. Nine years a breeder of Buckeyes. Eggs \$1.50, \$3.00, \$5.00 per 15. Baby chicks. Order now. Highland Poultry Farm, Box A, Nevada, Mo. 3-5

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WHITE FACE BLACK SPANISH, eggs, 15 for \$1.50; 30 for \$2.50; 100 for \$5.00. Good stock for sale. Lonella E. Jaqua, Portland, Ind. 2-5

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EXTRA BIG BONED, greenish glossy, black eyed Black Langshan, scored, \$2.50 and \$5.00 each. Eggs 15 cents each, guaranteed. Osterfoss Poultry, Hedrick, Iowa. 2-5

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WHITE LANGSHANS. Always win first prizes. 28 eggs \$1.80. Geo. McCague, New London, Ohio. 3-5

BLACK LANGSHAN EGGS, \$1.50 per 15. Springdale Farm, Burnt Prairie, Ill. 3-5

BLACK LANGSHANS. Eggs, \$1.00 and \$2.00 setting; \$5.00 100. Barker strain. Golden Gate Farm, Lafayette, Ind. 3-5

## COCHINS.

15 GRAND BUFF COCHIN cock birds and several cockerels, fit to win at any show. Also a few hens and pullets, a few grand birds in White, Black and Partridge Cochins from America's greatest strains. Cochins Home, Dundee, Minn. 5

PARTRIDGE COCHINS, particularly fine. J. A. Junge, Opelousas, La. 5-9

PARTRIDGE COCHINS—Extra choice stock. Eggs \$1.25 per 15; \$5.00 per 100. Elmer Niece, Frenchtown, N. J. 2-6

## ANDALUSIANS.

BLUE ANDALUSIANS. Best winter layers. Eggs, \$1.50 per 15. Geo. Gray, Collins, Ohio. 3-5



## ANDALUSIANS.

BLUE ANDALUSIANS. L. L. Faller, Newton, Ill. 3-5

TAYLOR'S BLUE ANDALUSIANS—Unde-fected champions of America. Winners of blue ribbons, challenge cups, medals and specials at Pittsburg, Columbus, Mansfield, Ft. Wayne, Toledo and Tiffin. Eggs \$3.00 per 12; \$5.00 per 24, prepaid. Order from this Ad. or get a circular if you want it. L. C. Taylor, Gibsonburg, Ohio. 1-5

## DOMINIKES.

DORSEY'S AMERICAN DOMINIKES lay like Leghorns, are beautiful for show room and market. Eggs 98% fertile. B. J. Dorsey, 59, Leon, N. Y. 5

DOMINIKES, MONEY MAKERS. Eggs, \$2 per setting. Circular free. Robt. Blenis, Surprise, N. Y. 3-5

## CORNISH.

HENNESSY'S DARK CORNISH have quality of a very high order. Eggs, \$2 per 15. Sixteen years breeders. Satisfaction guaranteed. Hennessy Bros., Strawberry Point, Ia. 4-5

WHITE CORNISH INDIANS. Prize winners. Eggs, \$2 per 15; 50, \$5. C. L. McFerren, Bellville, Ohio. 3-5

WHITE CORNISH EGGS, guaranteed  $\frac{3}{4}$  fer-tile, \$2.50 for 15. C. S. Colter, Rock Creek, Ohio. 3-5

WHITE CORNISH Game, high quality. 15 eggs two dollars. Clyde French, Timberville, Va. 3-5

CORNISH. IF YOU WISH eggs from prize winners I have them; low, blocky, true Cornish type. Stock for sale. D. Barnett, Waynetown, Ind. 3-5

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FOR SALE all kinds of exhibition game and game bantams, also eggs. A few fine Silver Duckwing and Pyle Bantam cockerels for sale cheap to make room, no pit birds kept. W. Barber, High Park Game and Game Bantam Yards, 118 Roncesvalles Ave., Toronto, Ont. 3-5

BLACK REDS, PYLES, SILVER Duckwings. Large. Purely bred. 15 eggs, \$1.75. Jesse Bromley, Washington, Mich. 3-5

PIT GAMES. JUNGLES crossed on American-English stock. Gamest and most beautiful in the world. Dr. C. M. Hulley, Brecon, Hamilton County, Ohio. 3-5

BROWN AND BLACK Red Pit Games for sale. Eggs, \$1.50 per 15. H. Webster, Athens, Texas. 3-5

## KLONDIKES.

WHITE KLONDIKE CHICKENS and Muscovy ducks. Send stamp for booklet. A. C. Sticht, Box 773, Missoula, Mont. 3-5

## MALINES.

MALINES. THE GREAT BELGIUM TABLE fowl, that weigh from eleven to fourteen pounds. Eggs from birds imported direct from Belgium, Ten Dollars per fifteen. Orders booked in rotation. Imported trios, Fifty Dollars. White or Black. Here they are. The best there are. Edwin S. Douglas, Importer, Lawrence, Mich. 4-6

## BABY CHICKS.

BABY CHICKS—Barred Rocks, Brown Leghorns, \$10 per hundred. Mrs. F. Unger, Route 1, Lewisburg, O. 5-7

S. C. WHITE LEGHORN BABY CHICKS. Bred, hatched and shipped right. Delivery guaranteed. \$90.00 per 1,000. James Robey, Fairfield, Ill. 3-6

CHICKS AND DUCKLINGS from the finest stock in the country. Different varieties. Prices right. Safe arrival and satisfaction guaranteed. Catalog free. Wyngarden Hatchery, Zeeland, Mich. 1-6

IF YOU WANT the kind of baby chicks that will grow into vigorous, healthy pullets and cockerels, look up our ad on another page of this issue, and get your order to us at once. Simplex Farm, 345, Grand Rapids, Mich. 5

CHICKS THAT LIVE AND GROW. Eggs from flocks on range, S. C. White Leghorns, R. I. Reds, Barred Rocks and S. C. Brown Leghorns. Fifty-two choice chicks, \$6.00. Crescent Egg Company, Allegan, Michigan. 5

50,000 BABY CHICKS. S. C. White, Buff, Brown Leghorns, Black Minorcas. Hatching eggs. Catalogue. Failing Poultry Farm, La-fargeville, New York. 4-6

BABY CHICKS—STRONG, VIGOROUS, thor-oughbred stock. Young's strain White Leghorns; also Buff, Brown Leghorns, etc. Safe arrival and satisfaction guaranteed. Write for cat-alogue. Holland Hatchery, W. Van Appledom, Holland, Mich. 4-6

CHYKS AND EGGS.—My free "Chick Book" tells why we have the best breeding stock in the world. How to brood by the California or com-mon sense method. How to care for baby chicks. How to build an open front house. Drop me a card and Uncle Sam will fetch you one right soon. Seth H. Leach, Prop., Crowhurst Mam-moth Hatchery, Westport Hill, Kansas City, Mo. 4-5

KULP'S 242 ROSE COMB Brown Leghorn baby chicks, 100, \$10. 100 eggs, \$4; 15, \$1. Mrs. M. N. Smith, No. 2, Packwood, Ia. 4-5

BABY DUCKS—Pekin, Indian Runner, White Muscovy. C. W. Osborne, Route 2, Youngstown, Ohio. 4-5

BABY CHICKS AND EGGS from one of the best winter-laying flocks of White Rocks in the country. We guarantee safe arrival of chicks. Place your order with us. Shady Wood Farm, A. F. Beckman, Mgr., Crown Point, Ind. 4-5

BABY CHICKS AND DUCKLINGS. Single Comb White Leghorns 10c apiece. Pekin duck-lings 20c apiece. Hart Lester, Ransomville, N. Y. 3-5

BABY CHICKS—BABY DUCKS—Orpingtons. Leghorns, Rocks, Indian Runners. Guaranteed bargains. Johnson Poultry Farm, Coulwood, Va. 3-5

BABY CHICKS—from extra fine stock, quality, vitality, S. C. White Leghorns and R. I. Reds in any quantity. Geo. Tailliar, Fayetteville, N. Y. 3-5

BABY CHICKS—Rhode Island Reds and White Wyandottes. We specialize in these breeds and have the best. Order early and be sure of get-ting chicks when wanted. Maplehurst Farm, Fall River, Mass. 3-5

BABY CHICKS AND EGGS. Standard bred Reds, Rocks, Buff and White Orpingtons, White Wyandottes. Write for free circulars. Martin Michelson, 232 Fifth St., Aurora, Ill. 3-5

ANCONA BABY CHICKS. Twenty cents each in any quantity. Sterling Poultry Farms, 1557 E. 27th St., Cleveland, O. 3-5

STERLING QUALITY BABY CHICKS. 15 standard breeds. Sterling Poultry Farms, 1557 E. 27th St., Cleveland, O. 3-5

BABY CHICKS. From our prize-winning, heavy-laying strains. White and Buff Orpingtons, White Leghorns, S. C. and R. C. Rhode Island Reds, White Wyandottes, Indian Runner Ducklings. 260 prizes at 8 leading shows. Over 1,000 breeders. All stock reared on free range on our 160-acre farm. Hall Mammoth Hot Water Incubator used exclusively. Our chicks are healthy and sturdy. They equal in every respect the best hen-hatched chicks. Place orders now if you wish to be sure of getting chicks when wanted. Send for catalogue. Grannis Bros., Route 8, Bryn Mawr Park, Yonkers, N. Y. 3-13-14

BABY CHICKS—WYANDOTTES. Imperial Buffs and Duston Whites. From healthy, vigor-ous, range raised stock, \$15.00 per 100, \$8.00 per 50. Wideacres Farm, Claverack, N. Y. 3-5

BABY CHICKS, EGGS FOR HATCHING. White Wyandottes, S. C. White Leghorns. H. H. Jayne, Waverly, N. Y. 3-5

SINGLE COMB RHODE ISLAND RED baby chicks \$12.50 per 100. Place your order early. Mrs. Mary Sawtell, Colo. Iowa. 3-5

BABY CHICKS, SUPERIOR QUALITY. See our ad on another page. Midlothian Poultry Farms, Tinley Park, Ill. 3-14

BABY CHICKS—White Wyandottes, Barred Rocks, Rhode Island Reds, White Leghorns, all hatched in Mammoth Hot Water Machines. Chicks that will live and grow. Thousands of these chicks have satisfied my many customers in the past. Booklet free. W. B. Candee, De Witt, N. Y. 2-6

CHICKS AND DUCKLINGS from the finest stock in the country. Different varieties. Prices right. Safe arrival and satisfaction guaranteed. Catalogue free. Wyngarden Hatchery, Zeeland, Mich. 2-6

THOROUGHbred WHITE LEGHORNS and Barred Rock Baby Chicks from vigorous farm raised stock. Prices very low considering quality. Send for free catalogue giving prices and descrip-tion of stock. L. M. Headman, Upper Black Eddy, Pa. 2-7

BABY CHIX of quality, express paid, 8 weeks old pullets. 10 varieties. Safe arrival guaran-teed. Catalogue free. South Kenton Poultry Farm, Kenton, Ohio. 2-5

## TURKEYS.

GIANT BRONZE TURKEYS—Prize winners from largest strain in America. Eggs our spe-cialty. Write for descriptive circular giving prizes won. B. F. Morgan, Independence, Ind. 5-7

MAMMOTH BRONZE TURKEYS, FISHEL strain. Prize winners head the flock. Eggs, \$2.50 per 13, \$5.00 for 30. Twenty years suc-cessful breeder. Birds have farm range. M. H. Murray, Calamine, Wis. 4-6

MAMMOTH BRONZE TURKEY eggs. Tom, 46-87, 35-98. Hens over standard weight. Stock sired by prize winners at Kansas City, St. Louis shows, \$5.00 per 10. Satisfaction guaranteed. A. L. Acerman, Rt. 6, Rich Hill, Mo. 3-5

LARGE WHITE HOLLAND TURKEYS; larg-est breeding flock in Indiana. 32-pound toms, 19-pound hens. Eggs, 13, \$2.50; 100, \$19.00. Cir-cular free. J. C. Hodges, Waterloo, Ind. 3-5

WHITE HOLLAND TURKEYS. My breeders are all over standard weight. Eggs, \$3.00 for 10. W. A. Smith, Burnt Prairie, Ill. 3-5

AMERICA'S LEADING WINNERS in Giant Bronze Turkeys and Partridge Plymouth Rocks. See our adv. on page 938. 2-11

BOURBON REDS—Eggs from my choicest hens mated to 1st old tom at Madison Square, 1913, \$10 per 11. From very nice hens mated to 1st young tom at Madison Square, 1913, \$5.00 per 11. Charles W. Jones, Holmdel, N. J. 3-5

## DUCKS.

PRIZE WINNER EGGS. Eggs from pen White Indian Runner Drake, second prize winner of 1912 great Coliseum Chicago show, mated with four fine white ducks from Spencer strain prize winning stock, \$6 for fifteen; other excellent White Runner eggs, \$5 for fifteen. Eggs from pen of 11 fawn and white Runners now laying 76 or more eggs a week, and mated to White Runner drakes, \$1.50 for fifteen. Emma Willard, Route 1, Downer's Grove, Ill. 5

INDIAN RUNNER AND PEKIN DUCKS. Choice stock reasonable. Eggs of Runners, \$1.50 per 13, \$6.00 per 100. Pekins, \$1.50 per 11, \$6.00 per 100. August W. Schroeder, St. Peter, Ill. 5

WHITE INDIAN RUNNER DUCKS, Fishel strain direct. Eggs and ducklings at reduced prices after May 1. Write me your wants. Edw. W. Longmore, Somers, Wis. 5

WHITE RUNNERS. Chicago and Buffalo winners. Eggs; ducklings, Alice Rawson, Big Rock, Ill. 5

WHITE INDIAN RUNNERS. Fishel strain. Finest quality. Eggs, balance season, \$2.50 per 12. Jacob Heckman, Kingston, Ill. 5

COOK'S INDIAN RUNNERS—The best estab-lished American Standard Fawn and White; white egg strain; vigorous free range stock. Eggs, \$1.50 per 13; \$5.00 per 100. Daniel Yoder, Middlebury, Ind. 5

WHITE INDIAN RUNNERS with upright, racy carriage, prize winners, great layers; large white eggs, 13, \$2.00; 50, \$6.00; 100, \$10.00. B. F. Morgan, Independence, Ind. 5-7

WHITE INDIAN RUNNERS—Finest stock. 12 eggs, \$2.00; 50, \$8.00. Mrs. L. R. Colton, R. 4, Aurora, Ill. 5

BLUE RIBBON WHITE RUNNERS, at Chi-cago and New York. Originator's (Spencer) strain. Same as Fishel's. Outlay our Corning-Yesterlaid White Leghorns. May and June best months to hatch. Big white eggs; twelve, two-fifty; 24, four-fifty; fifty, eight dollars. Pre-paid. Leghorn eggs just half. Big White Egg Farm, Atwood, Illinois 5

WHITE INDIAN RUNNERS, correct type and color. Eggs, \$2.00 per 12, \$6.00 per 50, \$10.00 per 100. Mrs. A. M. Grinder, Mt. Horeb, Wis. 3-5

INDIAN RUNNER EGGS. Prices reasonable. Alma Beaver, Lincoln, Ill. 5

QUICK MATURING PEKIN ducks, breeders, eggs, ducklings. Hatch off May 3 and every fifteen days thereafter. Write for prices. L. McFarland, Watertown, Wis. 5-7

WHITE INDIAN RUNNERS. Fishel's strain. Eggs, \$2.50 per 12. Thos. Brogden, Rush Lake, Wis. 5

INDIAN RUNNER DUCKS. The kind that lay and pay. Pure white eggs, \$1.00 for 15, \$4.00 for 100. Also White Runner eggs, \$2.00 per dozen. C. W. Michael, Independence, Ind. 5-7

GENUINE ENGLISH PENCILED also Pure Fawn and White layers of nothing but white eggs; 26, \$1.50; 50, \$2.50; 100, \$4.00. B. F. Morgan, Independence, Ind. 5-7

COOK'S STANDARD FAWN Indian Runners, large white egg strain. Stock and eggs. Book-let containing valuable information for stamp. Irving E. Cook, Munnsville, N. Y. 3-8

BUFF ORPINGTON DUCK EGGS from \$50.00 pen 13, \$3. Quality Poultry Farm, Maywood, Ill. 5-7

WHITE INDIAN RUNNERS—Fishel's Direct, none better. Wonderful white egg layers; 12 eggs, \$2.00; 25, \$4.00; 50, \$8.00; 100, \$15.00. Strictly fresh layed. Henry Heitkamp, New Bremen, Ohio. 5

WHITE INDIAN RUNNERS with a record for four years of over 200 eggs per year from each duck. White egg strain. There are none better. Eggs, \$5.00 for 12, \$17.50 for 50 eggs, \$50.00 for 100. I guarantee 60% fertile to any point in America. Mrs. E. E. Young, Box 595, Rural Route No. 5, Los Angeles, Cal. 4-6



## DUCKS.

**ENGLISH PENCILED RUNNER EGGS** \$3 per 50 straight from ducks that always lay white eggs. Everett Lyon, R. 7, Ann Arbor, Mich. 4-6

**LARGEST DUCKS ON EARTH**—Monarch Strain Pekin ducks are the largest. Every duck weighs over 10 lbs., every drake over 11 lbs. Nothing in this country will equal them. Eggs, \$5.00 for 12, \$17.50 for 50 eggs, \$30.00 for 100. 60% guaranteed fertile to any point in America. I have hundreds of satisfied customers in every State in the Union. These Monarch Strain ducks are the best mortgage lifters in existence. A few choice trios for sale, \$25.00 per trio. Keep this advertisement for future use. Mrs. E. E. Young, Box 595, Rural Route No. 5, Los Angeles, Cal. 4-6

**AMERICAN STANDARD**, English Penciled and Pure White Indian Runners; also Pekins. All white egg strains. Won 4 ribbons with five entries, Madison Square Garden, 1913. Eggs, \$1.00 up; ducklings, 20c each. W. R. Legron, Harvard Terrace, Toledo, O. 4-6

**WHITE INDIAN RUNNER DUCKS**. Prize winners. Eggs, \$2.00 per 12, \$4.00 per 25. Catalogue free. W. Albers, Lombard, Ill. 4-6

**ENGLISH PENCILED ALSO WHITE** Runners. White egg strains. Eggs and ducklings. Mrs. George W. Church, A-2, Townville, Pa. 4-6

**FAWN AND WHITE** and English Penciled Indian Runner Ducks, \$2.00 per 15 eggs a \$5.00 per 100. Buff Orpington ducks, the coming duck, \$2.00 per 12 eggs. W. P. Cassidy, Spencerville, Ohio. 4-6

**RUNNERS—AMERICAN WHITES**, imported English, direct. Largest, handsomest flocks you've seen. Payers, outlaying hens. Eyeopener circulars. Write wants. Newell's Farm, Girard, Ill. 4-6

**RAHN QUALITY STRAIN** Buff Orpington Ducks. Fawn Buff color. Large size. White eggs. Free booklet. Mart Rahn, R. 20, Clarinda, Iowa. 4-6

**WHITE INDIAN RUNNERS**. Eggs from winners at Rockford, Belvidere, Monroe. Write for price. Fred Richter, 170 Grand St., Freeport, Ill. 4-6

**PURE SPENCER STRAIN** White Indian Runners. Best blood in America. Wonderful layers of large, pure white eggs. Stock and eggs. A. R. Williams, Route 4, Box W, Winchester, Ind. 4-5

**GENUINE WILD MALLARD**. Most beautiful duck on earth. Splendid layers. Eggs, \$2 per 13; \$5.50 per 26. Also White Runners. Louis Vinck, Royal-Centre, Ind. 4-6

**WHITE RUNNERS AND S. C. W. LEGHORNS**—See display ad. on page 666. For sale, incubators, bone and clover cutters. Have installed mammoth machines. Jas. R. Snyder, Frazer, Mo. 6-12-1yr

**INDIAN RUNNER DUCK EGGS** 10c each. Wm. Longmore, Burlington, Wis. 4-6

**FAWN AND WHITE** Indian Runner duck eggs from exhibition stock, \$2.00 per 12. John Piepergerdes, Stewartsville, Mo. 3-5

**GENUINE IMPORTED ENGLISH** Walton Runners. Penciled and pure white. Blue ribbon winners. Eggs for hatching. J. P. Harper, Geneva, Ohio. 3-5

**BUFF ORPINGTON DUCK EGGS**, white, fertility guaranteed. Order early. Write for our free duck booklet and 1913 mating list. Now is the time to order eggs from this great money-making duck. Write today to Chas. Frank, Box 486, Memphis, Tenn. 3-5

**INDIAN RUNNERS**, penciled, splendid layers. White eggs, \$1.00 doz. Lida Martin, Ripley, Ohio. 3-5

**MAMMOTH PEKIN DUCKS**. Winners. Also Indian Runners. White egg strain. Eggs for hatching, booking orders for spring delivery, order early. I. B. Trimmer, Califon, N. J. 3-5

**FAWN INDIAN RUNNER DUCK** eggs, \$5.00 per 100. Single Comb Rhode Island hen eggs \$2.00 per 15. Write your wants. Riverside Poultry Farm, Woodburn, Ind. 3-5

**ENGLISH RUNNERS**. Whitest of eggs. Des Moines winners. Mrs. Ada Bereiter, Brighton, Iowa. 3-5

**MY ROUENS HEADED** by second drake Illinois State Fair. My fawn and white Runners won 3 firsts, 3 seconds on 6 birds in class of 20. J. C. Robertson, Gallion, Ohio. 3-5

**OUR 250 WHITE EGG STRAIN** Indian Runners won all firsts at Chicago, Iowa State Fair and Des Moines. Eggs, \$2. F. L. Reinhart, Ottumwa, Iowa. 3-5

**BUFF ORPINGTON DUCKS**, Cleveland winners. Eggs, \$4 for 12. W. E. Brinker, Wellsburg, W. Va. 3-5

**EGGS FOR SALE** from winning White Runners and Rouen Ducks, African Geese, Rose Comb Brown Leghorns and Black Hamburgs. H. H. Haskins, Wakeman, Ohio. 3-5

**FAWN AND WHITE RUNNERS**. White egg strain, \$1.00 per 13 eggs. Sparling Sisters, Garden Grove, Iowa. 3-5

**INDIAN RUNNER DUCKS**, Fawn and White. White egg strain. For delivered prices on eggs address Malby O. Eddleman, Dongola, Ill. 3-5

**BUFF ORPINGTON DUCK EGGS**, \$1.50 per 15, \$4.50 per 50. Alex J. Fix, Monroe, Mich. 3-5

**WHITE RUNNERS**. Prolific layers of large white eggs, \$1.50 per 12 eggs. Ernest Koontz, Wharton, Ohio. 3-5

**EGGS—STANDARD RUNNERS**. Buff Orpington Ducks, silver cup winners. Nelson's, Grove City, Pa. 3-5

**INDIAN RUNNER DUCKS** that lay are the kind that pay. I have them. Correspondence invited. W. W. Terry, Bentonville, Ark. 3-5

**INDIAN RUNNER DUCKS**—American and English white egg strain. Get 1913 mating list. 15 eggs, \$1.20 to \$4.00. W. E. Forman, Linneus, Mo. 2-5

**WHITE INDIAN RUNNERS**—With upright, racy carriage; prize winners; great layers. Large white eggs, 13, \$3.00; 100, \$18.00. Circular free. B. F. Morgan, Independence, Ind. 2-5

**BUFF ORPINGTON DUCK** eggs, Swain strain, \$3.00 and \$5.00 per 12. White Wyandottes, \$1.00; White and Buff Orpingtons, \$1.50 per 15. Mrs. John Brown, Concord, Mich. 3-5

**"FAWN AND WHITE" Runners**. White eggs. Indianapolis, 1912, 2nd cock, 1st hen, 3rd cockerel, 5th pullet, 1st pen. Fifteen eggs, \$1; 50, \$3; 100, \$5. James Pearcey, Martinsville, Ind. 3-5

**CUMBERLAND PENCILED RUNNERS**. Guaranteed white egg strain. Best eggs, \$3 per thirteen. Earl E. Hopkins, Townville, Pa. 3-5

**WHITE EGGS FROM** White Runners of quality, \$2.00 per 13. J. W. Grier, Coldwater, Ohio. 3-5

**INDIAN RUNNER DUCKS**, Fawn and White. Direct from Hersherberger's Special Pen white egg strain. Powerful heavy layers, 90% fertility. Safe delivery guaranteed. One setting, \$2.00; three settings, \$5.00; 100 eggs, \$10.00. C. J. Yoder, Grantsville, Md. 6-12-1yr

**PEKIN AND WHITE INDIAN** Runner Ducks bred from Ill. State Fair winners. Eggs, \$2.00 setting. Fertility guaranteed. Maple Grove Farm, Route 9, Decatur, Ill. 3-5

**IMPERIAL PEKIN DUCKS**—continual layers. Eggs, 10c each; \$5 per hundred. White "Pigmy" Bantams, 50c per setting. Lena E. McKay, Macon, Mo. 3-5

**MAMMOTH PEKIN DUCKS**. We have shape, size and quality. None better. Eggs, per 11, \$1.25; 22, \$2.00. R. Hendricks, Washburn, Ill. 3-5

**BUY YOUR RUNNER** eggs for hatching from stock that laid continuously for ten months. Eggs, \$1.00 per 15. Ernest Koontz, Wharton, Ohio. 3-5

**EGGS FROM ENGLISH PENCILED** and White Runners, \$3.00 per 13. Kate Maxcy, Curran, Ill. 3-5

**ENGLISH RUNNER DUCKS**—2nd prize drake Chicago, 1912, \$15.00; 1st drake Racine, \$10.00. Eggs and ducklings. Marion Culver, Glencoe, Ill. 3-5

**FAWN AND WHITE** Runners—15 eggs \$2.00. Otto W. Breubaus, Lowell, Ohio. 3-5

**BUFF ORPINGTON DUCK** eggs, \$2.00 and \$3.00 per 11. O. E. Reynolds, Wharton, Ohio. 3-5

**INDIAN RUNNERS**. Fawn and White. White eggs from first prize winning strain. 13, \$2; 50, \$5; 100, \$10. Winnings free. Mrs. J. M. Kemp, Kenney, Ill. 3-5

**MAMMOTH PEKIN DUCKS** (Rankin). Very large. Eggs, \$1.25 per 12; 100, \$6. Springbranch Poultry Farm, Bellville, Ohio. 3-5

**WHITE RUNNERS, ERECT**, racy type. Eggs, \$2.00 per 11. H. D. Hathaway, Box E, Scipio Siding, Ohio. 3-5

**WHITE INDIAN RUNNER DUCKS**. Fishel strain. 12 eggs, \$2.25; 24, \$4.00; 50, \$8.00; 100, \$15.00. Drakes, ducks, \$5.00 each. Henry Schowe, New Bremen, Ohio. 3-5

**ROUEN DUCKS, EXTRA LARGE**, weigh 10 to 12 pounds each. Eggs, \$2 per 11, \$8 per 50. Address Lick Run Poultry Farm, Carey, Ohio. 3-5

**INDIAN RUNNER DUCK** eggs, \$1.50 per 15. H. A. Reckamp, Moscow Mills, Mo. 3-5

**BUFF ORPINGTON DUCKS** America's best. Winners Chicago, Atlanta, Indianapolis. Each duck will make you \$20. White eggs. Send stamp for fine illustrated catalogue. B. O. Swain, R. 4, Zionsville, Ind. 3-5

**COLORED MUSCOVY**. The silent duck. Heavy weighing strain. Eggs, \$1.35 per 12. Charles Masters, Ashland, Ohio. 3-5

**FAWN AND WHITE STOCK** and eggs bred from duck who scored 96½, laid 297 white eggs one year and 1,256 in 5 years. She produced 5 first prize winners Madison Square, also Cleveland, and 3rd Chicago drake. Daughters' records up to 256. Ask us to prove it. Dr. Loren Heasley, Widdicom Bldg., Grand Rapids, Mich. 3-5

**BLUE SWEDISH**. MOST PROFITABLE duck on earth. Large, beautiful and prolific layers. Eggs from "Madison Square" winners at only \$2.00, \$3.00 and \$5.00 setting. Aylesburys, the large, white English ducks. Prize winners. Eggs, \$2.00 per eleven. American standard, true fawn Runners. Racy type. Exhibition quality. Eggs only \$7.00 hundred. Safe delivery guaranteed. Interesting booklet. Hill Crest Duck Farm, Bellville, Ohio. 3-5

**WHITE INDIAN RUNNERS** (Fishel's direct), white egg layers, 12 eggs, \$2.00; 25, \$4.00; 50, \$8.00; 100, \$15.00. White Feather Farm, New Bremen, Ohio. 3-5

**STANDARD POULTRY FARM**, Boone, Iowa, have got the Indian Runner Ducks you want. White eggs only. Twelve, \$1.50; hundred, \$8.00. 3-5

**WHITE RUNNERS**. TRUE to type. Stock. Eggs and catalogue. Mart. Rahn, R. 20, Clarinda, Iowa. 3-5

**WHITE INDIAN RUNNER** duck eggs for sale. Fishel direct. Thirteen eggs, \$2.00; 50 eggs, \$7.00; 100 eggs, \$13.00. George Lehmkuhl, Box 182, New Bremen, Ohio. 3-5

**AMERICAN STANDARD**, high scoring, true fawn and white Indian Runners. Drakes, \$2.00. 100 eggs, \$6.00. V. M. Bearden, Bloomfield, Iowa. 2-5

**NORTHERN ILLINOIS INDIAN RUNNER DUCK YARDS**. Cumberland white-egg, penciled Indian Runners, prize winners. Eggs, \$2.00 to \$3.00 per setting. Send for circular. Helen L. Cooke, Manager, 209 Water Street, Waukegan, Ill. 3-5

## SEVERAL BREEDS.

**SPECIAL PRICES** ON R. and S. C. W. Leghorn pullets and hens, Easling strain, second-hand outdoor brooders, large corn sheller. Holbrook Poultry Farm, Homewood, Ill. 5-7

**WYANDOTTES AND RUNNERS**. Eggs, postpaid, \$1.25 per setting; by express, \$5.00 per 100. Nick Fleck, Plymouth, Ind. 5

**EGGS FROM THOROUGHBREDS**—Duston's White Wyandottes, Cook's White and Buff Orpingtons, Northup's Rose Comb Black Minorcas and Tompkins' Single Comb Reds. Beautiful vigorous, prize-winning stock. Wonderful laying strains. Price reduced to \$1.50 per 15; \$2.50 per 30. Splendid breeders at \$1.50 up. Fairview Poultry Yards, Plainfield, New Jersey. 4-6

**CHICKENDOM'S BIG QUARTETTE**—Kellerstrass White Orpingtons, Tompkins' Rhode Island Reds, Thompson's Barred Rocks Ray Whittaker Orr Silver Laced Wyandottes; 15 eggs, \$1. Dr. Butts, Norwood Park, Ill. 5-6

**24 WORLD'S FAIR PRIZES** won on Black Javas, Blue Andalusians, St. Louis, Chicago World's Fair, Madison Square, Kansas City, Louisville (Ky.), St. Louis, Illinois State Fairs and Poultry Shows. Eggs, \$1.50 15. Herbert Hodgson, Albion, Ill. 5

**OLD ENGLISH BLACK BREASTED** Reds, Oneil Dominiques, Bengley Asenals, Toga Japs, Irish Round Heads, White Hackles, Pit Japs, Greek Asenals, Pyles. Eggs, \$2 to \$3 a setting. L. W. Farrar, Buckfield, Maine. 3-5

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**WHITE WYANDOTTE EGGS** \$1.50 per 15, \$3.00 per 50, \$5.00 per 100. S. C. Buff and White Orpington eggs \$2.00 per 15 straight. Wyandotte baby chicks 15c each. Orpington baby chicks 25c each. Bronze turkey eggs 35c each. O. J. Austin, Box A, Pana, Ill. 2-4



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Trios, \$10.00; pens, \$15.00. Coming boom breed.

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Win at the great Chicago show, Dec., 1912, 1st, 2d and 4th cock; 1st and 3d cockerels; 2d and 3d hen; 2d and 3d pullet; 1st pen and silver cup for best display, offered by the National Black Langshan Club of America. Every 1st on males for 5 years at Chicago. Black Langshans stood 2d as the greatest average year layers at the Missouri Egg Laying Contest. Send 10 cents for catalogue.

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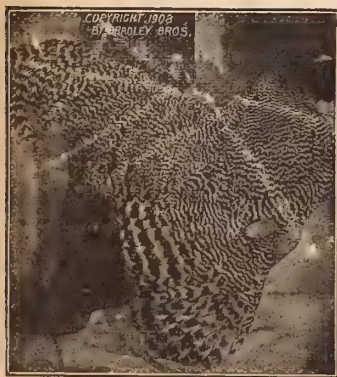
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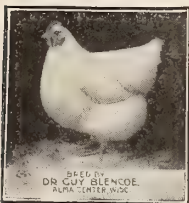
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Grand young and old stock fit for any breeding pens and at prices you can afford to pay. They are bred direct from my Chicago winners of the last three years. My pens are now mated and I have two that will interest any breeder in the country. Be sure to get my mating list before you book your hatching eggs. My winning of the big Silver Cup for the best display at Chicago, December, 1911, besides 1st pullet, 2d cockerel, 3d hen and 5th cock the year before, is ample proof of the quality of my stock.

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Winners at Canada's and America's Best Shows

Guelph, Ont., Dec., 1912, Canada's greatest exhibition. In Barred Rocks, 300 birds competing, we won cocks, 1-2-6; hens, 1-4; cockerels, 2-5; pullets, 1-4 Wyandottes: cock, 1st, etc. Reds: cockerels, 5th; pullets, 1st, etc. Several specials. My 1st pullet was pronounced the best female ever shown in Canada.

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Special Sale Barred Rock and Wyandotte cockerels, trios and pens properly mated, birds of quality in shape and color, extra values, at exceptional prices for best possible breeding and practical quality.

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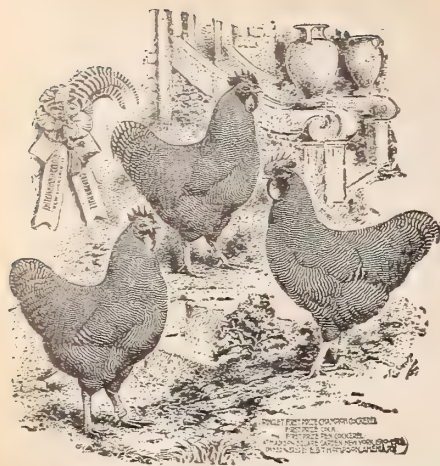
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"Ringlet," 1st Prize and Champion Cockerel, 1st Prize Cock and 1st Prize Pen Cockerel at Madison Square Garden, New York, Winter 1910-1911.

The Three Greatest Living Barred Rock Males

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Win the most remarkable record beyond all precedent in Barred Rock history at the imperial and most classic show of all America—Madison Square Garden, New York—this winter of 1913. Winning as follows:

First, second, sixth and eighth on cockerels. First and sixth on pullets. First, second and fifth on exhibition pens. First on cockerel mated pen. Second, third, fourth and fifth on cocks. The Imperial Prize of the show, Sweepstakes special for champion male. Sweepstakes special for champion female. Diploma presented by the American Poultry Association for best cockerel. Sweepstakes cup for best Plymouth Rock hatched in 1912, male or female, any variety. Challenge silver cup for best exhibition pen. Special best shaped male. Special best colored male. Special best colored female. Best cock, cockerel, hen and pullet, four best cockerels, four best pullets, \$25 special prize, presented by the New York Show for finest display. All silver cups and cash specials four times as many first prizes as any competitor. More first prizes than all competitors combined. More first, regular and special prizes than won by any exhibition of any breed.

## My Exhibition of 56 Birds Was the Best the World Has Ever Seen

No other Barred Rock breeder has ever produced or is producing such matchless quality. Every feather in my exhibit was bred on my farm. My First Prize Champion Cockerel and First Prize Champion Pullet are years ahead of their time. They are the produce of the highest skill. No other Barred Rock breeder has ever accomplished the unprecedented achievement of winning the two greatest prizes in the world, Champion Male and Champion Female, at one show in Madison Square Garden. For 25 years at New York my "Ringlet" victories have been complete; my clean sweep of 1ST, 2ND, 3RD, 4TH AND 5TH PRIZES on pullets has never been approached at Madison Square Garden and stands alone and unequalled. The Imperial "Ringlets" are the standard by which all other Barred Rocks are judged. To meet success in winning prizes you must have my birds and eggs. I will sell you grand exhibition birds for any show, and breeders of this Richest First Prize, New York, blood. Richly illustrated 70-page catalogue upon request. It is full of original pictures of New York winners from life.

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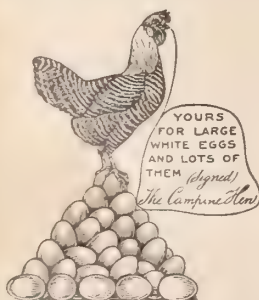
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VOL. 44

JUNE, 1913

NO. 6

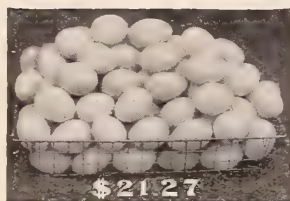
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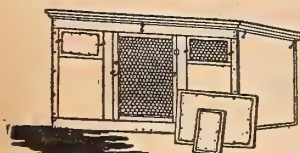
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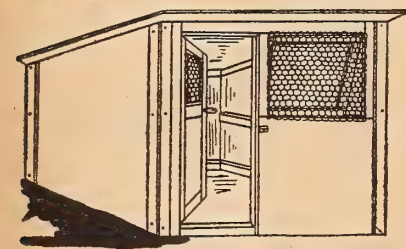
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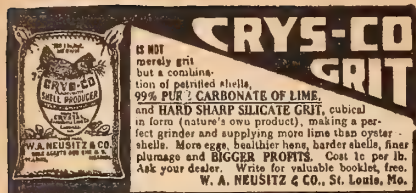
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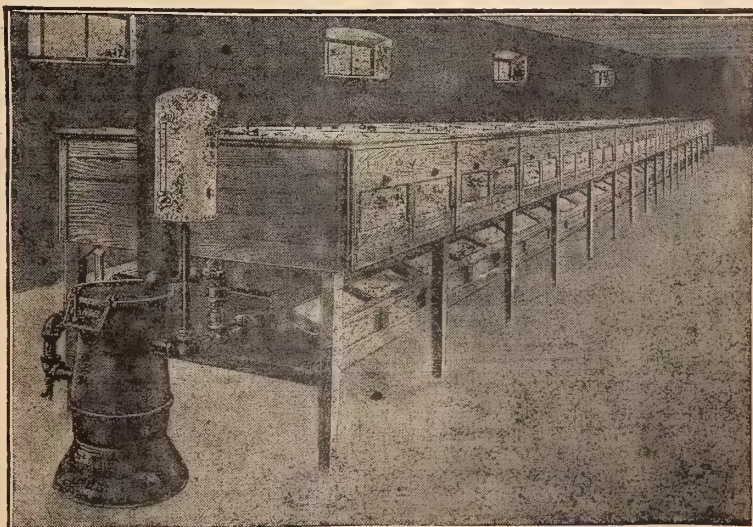
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Winners at Cleveland Fanciers' Club Show, January, 1913, the most coveted prize of 1st pen, also 2d Ckl. At the State Red Meet, Youngstown, O., Dec., 1912, Ck. 1st and 5th, shape special, 2d and 3d Ckl., 5th Pullet, 2d Pen. Buffalo, N.Y., Jan., 1912, 1st and 4th, Pullet, 5th Pen. Descriptive Mating list free. Eggs one-half price after May 15th.

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Originator of Royal Strain—and bred by me for a great many years. Leading winners at Guelph, 1912, and Buffalo, 1913. Sixteen pens mated for this season's egg trade. Send for Mating List. Satisfaction Guaranteed.

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**REDUCTION SALE OF Covert's Barred Rocks**

AFTER MAY 20th will sell eggs from my best pens at two-thirds price.

Also high grade stock at two-thirds price.

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During May and June, the banner months for hatching eggs from this breed, I will offer eggs from all our pens as they run, in Silver and Goldens, at a 25 per cent reduction from catalog price. This will be a rare opportunity to secure eggs from winners at both Cleveland shows. I will also offer for July delivery my breeding pens, consisting of over 200 birds. I am prepared to quote amazingly low prices on single birds—pens or in larger quantities. If in the market don't fail to write for catalogue and prices.

In LEGHORNS I have a few open dates for May, and am offering chicks at \$10.00 per hundred after May 15

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A new modern hotel representing a Five Million Dollar investment on the site of the former Hoffman House,

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LOCATED AT THE HUB OF NEW YORK'S GREATEST BUSINESS.  
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Ohio's Blue Ribbon Winners. They still lead as winners. At Cleveland with four entries won 1st pen, 1st and 2d hen and 2d pullet. Get your egg orders in early. A few breeders yet to dispose of. **G. F. STEWART, COSHOCTON, OHIO.**

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First cock, first hen, first cockerel, first pullet at St. Louis 1912; first cock and first hen on White and Fawn Indian Runner Ducks. **J. S. BALES - - ROUTE 2, SPRINGFIELD, ILL**

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At Pt. Huron, 1913—America's Quality Show.—Won everything in sight, first and second cock; first hen; first cockerel 1911-1912-1913; first pen 1913; best display 1912-1913. Send for my mating list and see who has the winning kind. Fine breeding males, \$5.00 to \$10.00. Book your egg orders now. Please mention A. P. J. **J. B. GREENAN - - - - DECKERVILLE, MICHIGAN**

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Our winnings for 1913 on two entries at Madison Square Garden, 1st cockerel, 19 competing. At the Club show at Boston, on four entries, 1st cockerel, 1st pullet, 5th hen and 13 specials. Head points and low carried tails our strong points. Stock and eggs for sale. **H. A. Keister, R. F. D. 3, Bangor, Mich.**

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Philadelphia, New York and Baltimore winners. I can please you with quality and price. Quality is my aim, with satisfaction assured. Choice breeding stock at right prices. If you want quality that will improve your stock I can supply it. Write me your wants.

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but send to G. B. Smith & Son and get eggs to hatch from their big birds, that lay them big and a lot of them. 3 pens of each, Black and White Minorcas. **G. B. SMITH & SON, Box 454, North Baltimore, Ohio**

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Commencing May 1st and as long as we can fill the orders, the price of eggs from all our breeding pens will be cut one-half.

Remember we have 1st prize winners as well as mothers and sons and daughters of Madison Square 1st prize winners.

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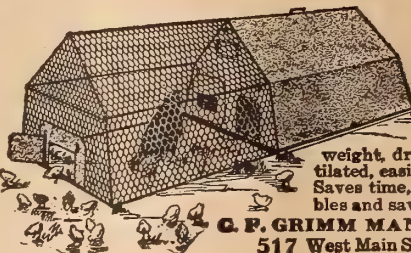
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10 square feet of floor space in brooder and yard. Size of brooder 2 1/2 feet long, 2 feet wide and 18 inches high. Yard same size. They

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Springfield, Chicago, Milwaukee and Indianapolis winners. Eggs now half price. Write for mating list.

Mrs. J. H. Harnly : 2301 Elisha Avenue : Zion City, Illinois

## Barred Plymouth Rocks

**WINNERS** last fall and winter at Chicago, Memphis, Indianapolis, Louisville and Shelbyville. 1st Pen, 1st Pullet, 2nd Cock, 3rd Cockerel, 3rd Cock, 3rd Pullet, Indiana State Fair, Indianapolis, Sept., 1912. 1st Cockerel, 3rd Pullet, 5th Cockerel, 5th Pen, Tri-State Fair, Memphis, Tenn., Sept., 1912. 1st Cockerel, 1st Hen, 2nd Pullet, 2nd Cock, Shelbyville Fair, Shelbyville, Ky., Sep., 1912. Armory Show, Louisville, Ky., Dec., 1912. 3 first, 2 second, 4 third, 1 fourth, 2 fifth premiums, special for best shaped female. Silver cup for best Barred Plymouth Rocks. 1st Cockerel, 3rd Pullet, 3rd Cock, 4th Cockerel, 4th Hen, 4th Pullet, 5th Hen, 5th Pullet. Blue ribbon for best display. Cash prize for best Barred Plymouth Rocks. Kentucky State Fair, Sept., 1911. 1st Cockerel, 1st Hen, 1st Pen, 2nd Pullet, 3rd Cock, 4th Hen, 4th Cockerel, 4th Pullet. Cash prize for best Pen, Louisville Poultry Show, Jan, 1911.

### Fourth Pullet Bred Cockerel, Chicago, Ill., Dec., 1912

Eggs \$3.00 per 15      Eggs \$7.50 per 50  
Eggs \$5.50 per 30      Eggs \$15.00 per 100  
Prize Matings \$4.00 per 15 Straight

**TWENTY** Grand Pens for 1913. No utility matings. Twenty selected pens, containing our winning birds at the big Shows and State Fairs at which we have exhibited.

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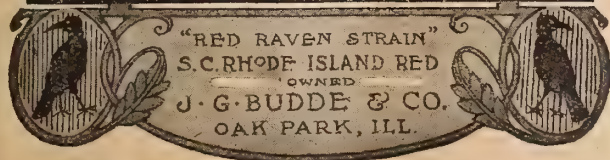
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**Box A**

**Louisville, Kentucky**



1st Pullet, Indiana State Fair, Sept., 1912



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NEW YORK, BOSTON, CLEVELAND and CHICAGO

Exhibition and breeding birds from  
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**Cocks, Cockerels, Hens and Pullets**  
at prices that will interest you

**EGGS** from our New York, Boston,  
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Our book on Reds tells you **How to Mate**  
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We bought 20,000 squares of this Corrugated Iron Roofing, which we offer at this remarkably low price. It is new, perfect and first-class, but light weight. The sheets are 22x24 ins. x 1/4 in. corrugated. Our price of \$1.25 per square is f. o. b. cars Chicago. When ordering this item specify Lot No. BD-700. This is not galvanized, but black steel roofing. Write us today for our special FREIGHT PREPAID PRICES on new, galvanized roofing. We are offering prices lower than ever before offered in the roofing business. Galvanized roofing at \$2.50 per square and up. Ask for free samples.

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Per 108 sq. ft. buys best Steel Roofing

We can furnish anything needed in Roofing, Siding or Ceiling.

**62c per 108 Sq. Ft. buys best Rubber "Ajax" Roofing**

Here again we show the lowest price ever known for roofing of quality. This smooth surfaced roofing we are offering is our one-ply "Ajax" brand, and the price includes necessary cement and caps to lay it; this price is f. o. b. Chicago; at 150 per square, we pay the freight in full to any point East of Kansas and Nebraska and North of the Ohio River, provided the order is for at least 3 squares. Prices to other points on application. "Ajax" roofing is guaranteed to wear as long and give as good service as any Ready Rubber Surfaced Roofing on the market.

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New galvanized, heavy weight barb wire, put up on reels about 100 lbs. to the reel. Lot 2-BD-26, per 100 lbs. \$2.05. Galvanized barb wire, light weight, first grade, best made, put up exactly 30 rods to reel, 2-point barbs. Lot 2-BD-28, per reel \$1.40.

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10,000 kegs, put up 100 lbs. to the keg mixed, all kinds together, regular nails, such as made by nail factories. Lot 2-BD-33, price per keg \$1.50. 1,000 kegs of ten pennyweight regular new wire nails, 100 lbs. to the keg, while they last, per keg \$1.85. Write for our free Wire and Fence Catalog. Gives valuable information to any land owner. Send coupon.

**Smooth Galvanized Wire, Per 100 Lbs. \$1.25**

It is suitable for fences, stay wires, grape vines or for any ordinary purpose where wire is used. This galvanized wire is irregular in length—it ranges anywhere from 50 to 250 feet. \$1.25 is our price for No. 6 gauge. Other sizes in proportion.

**15c Per Rod Buys Best Hog Fencing**

Here is another one of our remarkable bargains. A high grade, strictly perfect fence made of No. 9, 11 and 12 wires, perfectly adapted for hogs and general farm purposes, 26 ins. high, square mesh, put up in suitable size rolls. Lot 3-BD-31 per rod 15c. Other heights in proportion. Staples, 100 lbs. \$1.75.



**HARRIS BROS. CO. OWNERS 35th & Iron Sts. CHICAGO**



# THREE TIMES WINNERS --- WEBSTER FARM MADISON SQ. GARDEN, N. Y., CHAMPION WHITE PLYMOUTH ROCKS

**Sweep All Before Them. Winning at:**

**WILLIAMSPORT, PA.**

Cock—1-5.  
Hen—1.  
Pullet—1.  
Best hen in show.  
Best cock in show.  
Best bird in show.

**PHILADELPHIA, PA.**

Cock—1-5.  
Hen—1.  
Cockerel—5.  
Pen—3.  
Best cock in show.  
Best hen in show.

**CLEVELAND, O.**

Cock—1-2-3.  
Hen—1-2-3-5.  
Cockerel—1-2-3.  
Pullet—1-4-5.  
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All specials and cups.

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It is the "Seal of Superior Quality"—The "Best" by actual test. Our line has proven their winning and practical quality year by year, (three times this season), making exceptional records at our best shows. Two years ago they won their title as Madison Square Garden Champions by winning "three first and two second prizes and all color and shape specials. Our matings are made and our list is ready for you. The matings are superb in quality, including all our winners of two years. This is your opportunity. I assure all of absolute satisfaction. Stock for sale. Write me your wants.

**Webster Farm, Box A, Girard, Pennsylvania**

## **LICHTENWALTER'S QUALITY BUFF PLYMOUTH ROCKS**

Winners this season at M. S. Garden, N. Y.; Philadelphia; Cleveland; Williamsport; Springfield, Ill., etc. Prominent winners for years with well known record. Grand in size, shape and sound color, with good head points. My matings are very select, only the very best reserved and used. List and particulars on application. Some choice breeders for sale. Write me your wants. Satisfaction assured.

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BUYS

**THE GREATEST POULTRY BOOK EVER PUBLISHED**

**ORIGIN AND HISTORY OF ALL**

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**THIS BOOK** gives the origin and history of the Standard varieties of chickens, ducks, geese and turkeys; also a detailed description of color, shape, weight, etc. of Light and Dark Brahmas, the Cochins, Plymouth Rocks, Wyandottes, Leghorns, Dorkings, Orpingtons, Houdans, Creve Cœurs, La Fleche, Faverolles, Spanish, Minorcas, Anconas, Blue Andalusians, Hamburgs, R. I. Reds, Langshans, Polish, Games, Game and Ornamental Bantams, turkeys, geese and ducks. It also contains

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# Poultry Books

## AT A CUT PRICE

A complete list of poultry books that everybody interested in poultry should have. This list is made up with the idea of supplying the wants of all poultrymen, and covers about every phase of the industry; in fact, this list of books make almost a complete poultry library, and by taking them all at a cut price you will be well equipped to make a success of this business. The books in this list tell you how to line breed, how to feed for egg production, how to reduce your feed bill, how to mate to produce exhibition birds, how to prevent and cure diseases, how to mix a balanced ration, how to build poultry houses, poultry appliances, etc. Following is the list:

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128 PAGES—35 ILLUSTRATIONS

A down-to-date manual on breeding poultry. Tells in plain language how to select and mate breeding stock, what to feed and how to feed it, how to care for and manage breeding stock, how to select eggs for hatching and how to care for them before and during incubation, how to get good hatches with incubators, how to raise chicks with hens and brooders, how to prepare home-made chick foods, how to build brood and colony coops. It also gives facts about White Diarrhoea, including prevention and treatment, and much other valuable information that cannot be obtained elsewhere. Price 75 cents.

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By Prince T. Woods, America's Leading Authority on Practical Poultry Keeping

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This book gives a complete history and the origin of all the recognized varieties of chickens, ducks, geese and turkeys, and is illustrated with 138 colored pictures of fowls painted from life, something never before attempted by any publisher. This is, without question, the greatest book ever published on poultry. The artist's work alone on this book took almost one year's time to complete, but it shows the fowls in their natural colors and correct shape, and these colored pictures, together with the history of each variety, gives the fancier all the information to produce fowls for either exhibition or breeding.

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Contains 128 pages and is a practical treatise on everything you want to know about the poultry business. It tells you his method of saving three-fourths the feed bill, and many other valuable pointers which will save you many times the price of the book.

Space will not permit a detailed description of the entire book, but the following will give you an excellent idea as to its great value. Besides 30 illustrations of standard bred poultry and poultry houses, it contains chapters on the following subjects: The Way to Succeed; Some Interesting Poultry Statistics; The Pleasure of Poultry Culture; Advice to Beginners; Poultry and Pin Money for Women; Boys and Poultry Culture; Poultry on the Farm; How to Succeed on a Small City Lot; How to Succeed with a Large Market Plant; How to Get Eggs in Winter; How to Feed Young Chickens; Success with Incubators; Success with Brooders; How to Cure Diseases; How to Build Poultry Houses; Plans for Model

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**542 SOUTH DEARBORN STREET, CHICAGO, ILLINOIS**





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THAT LAY, WEIGH AND WIN

**Y**OUR SUCCESS, whether it be for the introduction of new blood or laying a foundation for your stock, depends upon the reputation of the man behind the firm from whom you secure your stock or eggs. Believing as I do, that the majority of the people are honest, I stand ready at all times to make good, stock or eggs secured from me, any claims that my customers might present. My business at present has reached such proportions, that it is almost impossible for me to meet the demands with the seven thousand head of stock that I have on hand. It is impossible for me to describe our methods of rearing poultry in so small a space, but if you will send for my illustrated mating list, which is sent free on request, you will receive in a concise form our ideas of a down-to-date poultry plant. Or if you will send fifty cents in stamps or coin, I will send you post-paid my 64-page catalogue which explains in detail every phase of the poultry industry. This book, as is everything else bought of the E. W. Grove, Jr. Poultry Farm, guaranteed satisfactory or your money back.

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It's not the brand on a horse that makes him travel, nor is it fine feathers on a hen that makes her win or lay, but their breeding.



# NONPAREIL BARRED ROCKS

Win at the Great Exposition  
Park Show, Rochester, New  
York, January, 1913

## 151 Birds Competing

Cock 1st and 3d; hen 2d; cock-  
erel 1st and 4th; pullet 2d, 3d,  
4th; pen 1st; pullet bred cocks  
1st, 2d and 4th, cockerels 2d  
and 5th; cockered bred hen 1st,  
3d, 4th and 5th; pullets 1st, 4th  
and 5th; cockerel mating pen  
1st; pullet mating pen 1st; all  
shape and color specials; asso-  
ciation silver cup for best dis-  
play; the Taylor sweepstake  
cup for best exhibit at show, etc.

## Line-Bred Since 1883

For twenty years winners at  
America's best shows. 269 first  
prizes and 63 shape and color  
specials, silver cups and medals  
won at Madison Square Gar-  
den, N. Y., Chicago, Boston,  
Philadelphia, Buffalo, Cleve-  
land, Toledo, Toronto, Roch-  
ester etc.

## Matings for 1913

Our matings are made and are  
superior in quality for both  
cockerel and pullet breeding.  
Descriptive list free for the ask-  
ing. Eggs, \$5 per 13, \$8 for  
26, \$10 for 40, \$25 for 100.

## Stock for Sale

Cocks, cockerels, hens and pul-  
lets from our best breeding  
lines. Trios and pens properly  
mated for best results. All  
correspondence and orders have  
the personal attention of H. P.  
Schwab.

**Special Sale**—Trios and pens,  
quality birds with the best of  
breeding back of them. Satis-  
faction assured. Pens of five  
birds for either cockerel or pul-  
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will please you. Start now and  
start right. Write us your wants.

OUR BEST EFFORTS ARE AT YOUR COMMAND

**SCHWAB BROS.**  
BOX 452 :: IRONDEQUOIT, N. Y.

## ROSE COMB RHODE ISLAND REDS

Four firsts and twelve other ribbons at Boston and New York, 1912-13. Eggs from our best  
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**PAYNE BROTHERS - Box J - PORTLAND, CONNECTICUT**

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Howlett's Famous Laying Strain—Persistent winter layers, 15 mated pens for the hatching egg  
trade this season, catalog free. Our ANCONAS have won in every show this winter where shown.  
The eggs we sell for hatching are from the same pens we hatch our own show birds, both combs.  
**East Orange Ancona Yards F. J. Howlett, Manager East Orange, N. J.**  
Sec'y-Treas., Ancona Club

## SPRING WATER'S FAMOUS S. C. W. LEGHORNS

WE HAVE NO OTHER BREEDS

## Day-Old Chicks Eggs for Hatching

No strain can excel "Spring Waters" for vitality and the necessary quali-  
ties to produce prize winners. At the recent Baltimore show we won  
2 firsts, 2 seconds, 1 fifth and 1 eighth. Our First Prize Pullet being the  
sensation of the show.

## Our Prices Will Please You Our Treatment Must Satisfy You

What we guarantee: That chicks will be hatched from eggs laid by our  
breeders only; the safe arrival of our chicks; the fertility of our eggs, and  
that you must be satisfied if dealing with us. Our capacity is 20,000 eggs  
at one sitting. We have a few choice **Breeding Cockerels** to dispose of.  
Write for free illustrated booklet. Write us before placing your order  
for this season's wants.

## Spring Water Poultry Farm : Stockton, N. J.

## If I Buy Baby Chicks Will They Mature Into Pullets Like These?



Will they grow into birds that I can feel proud of and that will lay Winter eggs in quantities, or win the blue ribbons  
for me, or will they be just scrubs that's the question before everyone who buys day-old chicks. It is not the first  
price that counts, but will they be right at maturity?

## Caldwell's White Plymouth Rock (Fishel Strain) "Baby Chicks of Quality"

### From Utility Matings

Will mature into long backed, well made birds,  
pure white in color, that will be the secret of  
"Winter eggs." Every utility breeder is de-  
scended from known good layers that have been  
bred that way.

### From Exhibition Matings

Will mature into blue ribbon winners. Every  
exhibition pen is made up of birds with good  
combs, of good type and chalk white in color,  
possessing the rich blood lines of generations of  
Fishel blue ribbon winners. Our birds were  
among the principal winners at the Indiana Fan-  
ciers' Show, Indianapolis, 1912.

### A New Catalog Is Now Ready

One of the finest ever issued by any breeder. It  
tells just how "Baby Chicks of Quality" are pro-  
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we have to sell with prices. A copy is ready for  
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### The Caldwell Selling Plan

Not only arranges for the man who or-  
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hurry. Thousands of eggs are setting  
which will make possible

Delivery of any number on short notice.

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A New favorite with a reason—At Chicago, Dec., 1912, in largest and best class of R.C. Rhode Island Whites ever seen, McCarthy's Peerless Strain made a clean sweep, winning 1st cock; 1st hen; 1st pullet; 1st pen; \$25 cup for best display and \$15 cup for best shape R. I. White. As every prominent breeder, both East and West, had his birds entered, it proves that the Peerless Strain is the best in the world. Send for our illustrated catalog and mating list. Carl D. McCarthy, Box Y, Kempton, Ind.

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"WORTH WHILE" The greatest utility chicken on earth. Absolute non-sitters and lay big white eggs. I guarantee winners for any show. Stock, eggs and baby chicks. Write for mating list which is free. Mention A. P. J.

DR. G. G. BILLMAN Sullivan, Indiana

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That will develop into exhibition birds and heavy layers. Our Baby Chicks are the kind that live. I guarantee safe arrival of eggs and chicks. Write me.

N. V. FOGG :: BOX R :: MT. STERLING, KY

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Improved Silver Campines. Do it now. Be a live one. Why? Because they are beautiful, useful and popular. Send for my booklet telling about this unique breed.

Everlasting layers of LARGE, WHITE EGGS.

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**Tompkins' Rhode Island Reds****BOTH COMBS**

Better now than ever before. Hundreds of high-class breeding birds at reasonable prices. Write us before ordering elsewhere. Eggs from high class pens.

Concord Poultry Yards, Harold Tompkins, Prop., Concord, Mass.

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Always in demand because they win and breed winners, besides unequaled as layers. Have already sold winners for next season. I want to quote YOU now, to win that fall or winter show. If you want to win, just give a chance to the breeder that has made possible the "world's best flocks." It's not too late to hatch winners for winter.

Elegant pens \$10 per set, two sets \$18, three sets \$25, or \$50 in 100 lots. I'll be glad to send my mating list, free, or one of the richest catalogs published for 15 cents in stamps.

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**COCHIN BANTAMS****Black : Buff : Partridge : White**

Our strain of Cochin Bantams have won the leading honors at America's Greatest Shows for years; and during the past fall and winter our birds won 91 firsts out of a possible 109 at Chicago, Indianapolis, Louisville, Indiana, Tennessee and Tri-State Fairs.

Write for our beautiful 1913 Mating List, describing the 25 MOST WONDERFUL PENS EVER MATED. Remember that this is the HOME of

**America's Best Cochin Bantams**

And these Little WONDERS are busy PRODUCING EGGS

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Birds and eggs within reach of all.

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The kind that win \$100 Orpington Challenge cups. Write C. L. PENNYL, Bloomsburg, Pa.

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Are bred for laying, and have exhibition qualities. I will sell 100 pullets (1912 hatched) at \$2 each or \$15 for 10, to make room. Eggs \$1.50 per 15 and up. Chicks \$18 per 100.

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of the highest quality and breeding. None better.

Eggs For Hatching from my superb prize-winners. Catalog with prizes won, prices, etc., free.

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Unexcelled layers. Four Firsts at Madison Square Garden. 15 eggs, \$1.25 to \$5.00. Circular.

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**The Unity Poultry Feeder**

Feeds dry mash, grain, grit, shell, beef scraps, charcoal, etc., without waste. Fowls can't scratch or scatter food. Feed can't clog or get dirty, and rats can't reach it. Easily suspended from any part of poultry house, occupies little space, but feeds many fowls, and all sizes at once. Easily changed into a sectional feeder. Sent by prepaid parcel post for \$1, or for \$3.25 we'll send you one of our \$2.75 Burglar Alarm Outfits and this \$1.00 feeder prepaid.

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AT CHICAGO, ILLINOIS

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(I HAVE NO OTHER BREEDS)

My strain won every prize and special offered at the world's greatest show, Madison Square Garden, New York, January, 1913. My individual winnings were: Cocks 1-3-4-5-6; hens 2-4-5-6-7; cockerels 1-2-3-6-7; pullets 1-3-5; pens 3-5; Elmhurst trophy, value \$150.00, for best display; New York State Cup, value \$50.00, for best display; New York P. & P. A. Special, value \$25.00, for best display. N. S. C. W. Leghorn Club special for best display; special for best cock; special for best male; special for best shaped male; special for best colored male; special for best headed male; special for best cockerel; special for best pullet; special for best female; diploma presented by A. P. A. for best cockerel. In fact, for the past ten years, my strain has won in every show of any note in the United States and Canada. They are the standard for all the Leghorns of America, and the greatest layers of all varieties of domestic fowl. (Remember you cannot win without my strain.) Mating list free. Address

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My winnings at Allentown, Hagerstown, Grand Central Palace, N. Y., Philadelphia, Boston and Madison Square Garden, 1913, in the hottest competition ever shown, crown my birds the **champions of them all**. I won four times as many firsts as all other breeders combined. My mating and egg list is now ready. It's free for the asking. Now is the time to order your eggs. Satisfaction guaranteed. Mention A. P. J.

Manhattan Farms : Geo. E. Noeth, Owner : Brighton, New York



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The originator of this famous strain that has made the Reds one of the most popular breeds of fowl on earth, always at the front both in the show room and laying contests.

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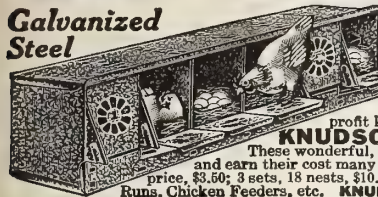
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Note the strong, secure fastener, so simple and complete—the number is not stamped in, but raised OUT—plain, readable—can't get full of dirt. Reaches you already bent in shape ready to put on—12 bands 20c; 30 for 45c; 60 for 75c; 100 for \$1.00. Sample Free—  
**H. O. SHAW, Box 103, GRINNELL, IOWA**

**Galvanized Steel**



## Lice-Proof Nests

### HAPPY HENS EARN BIG PROFITS

Keep your hens happy and laying by keeping them free from profit killing lice and mites. Equip your laying houses with

**KNUDSON Galvanized Steel LICE PROOF NESTS**  
These wonderful, sanitary, patented nests can't get out of order, last a life time and earn their cost many times over. Regular price, \$3.50, set 6 nests—special introductory price, \$2.50; 3 sets, 18 nests, \$10. Write for our free catalog, Galvanized Steel Brood Coops with Runs, Chicken Feeders, etc. **KNUDSON MANUFACTURING CO., Box 470, ST. JOSEPH, MO.**

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To Spray Trees, Vines, Cotton, Tobacco, Disinfectants, etc., etc.

Our guarantee, money returned if not as represented. Prices Parcel Post paid. Order from this advertisement, save time.

No. 15, 4-Gal. Automatic, Galvanized Sprayer - \$5.50  
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Prices, Freight paid Rippley Whitewasher and Sprayer.

No. 106, 6-Gal. \$8.75 No. 108, 10-Gal. \$10.50

These machines have been on the market for years and work to perfection. Catalogue Free.

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A Whitewasher at Work

## "PITTSBURGH PERFECT" POULTRY AND GARDEN FENCE

The fence that adds profits to your poultry business by affording perfect protection for your flocks. Easy to put up, no top or bottom boards required. Made of heavy, Open Hearth wire, heavily galvanized and

### WELDED BY ELECTRICITY

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Here is the great mid-year opportunity to get pure-bred Pittsfield stock at half-price. From June 15 to Sept. 1 our already low prices are virtually cut in two. Read these wonderful bargains:

**100 Day-Old Chicks Now Only \$15.00**

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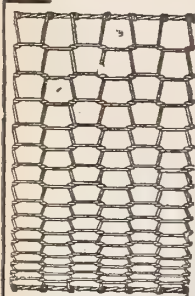
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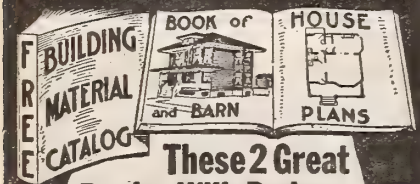
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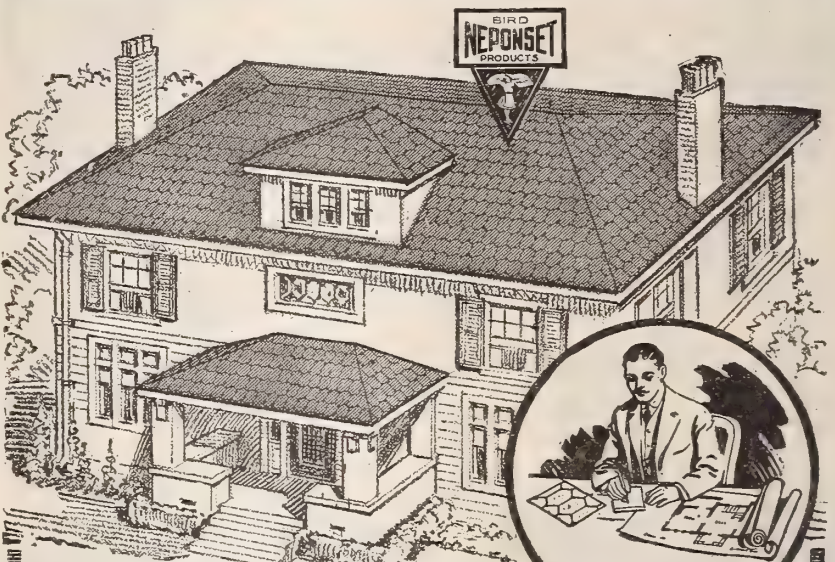
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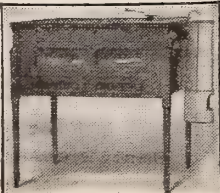
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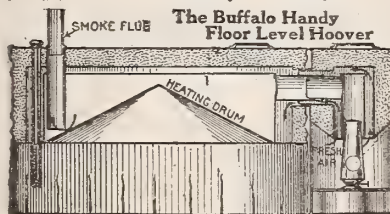
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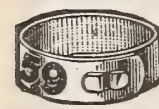
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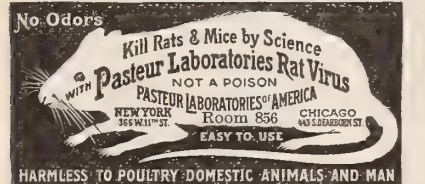
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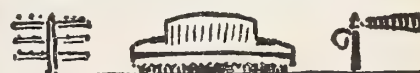


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Again win First Prizes at both big Pittsburg shows, 1913, for fifth consecutive year. My 1st pen at big Expo. show, 25 pens competing, pronounced by judges the finest ever shown. My 1st and 2d hens were simply perfection. Have also won 80 per cent of all first prizes at Canonsburg shows for last five years. My free mating list tells more about these grand winners. Eggs now half price. All breeding stock for sale.

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### White Plymouth Rocks

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**BABY CHICKS**—From sale stock eggs, \$15 per 100, \$8 per 50; from yard eggs, 75c each. Can make immediate shipment.

**EGGS FOR HATCHING**—From our select matings, \$5 per 15; from sale stock, \$7 per 100, \$4 per 50.

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# AMERICAN POULTRY JOURNAL

Entered as Second-Class Matter August 9, 1886, at the Postoffice at Chicago, Ill., under Act of March 3, 1879.

Volume 44

Chicago, Ill., June, 1913

No. 6

## The Value of Poultry Inventions

Important Discoveries Relating to Poultry Keeping Surprisingly Few  
and Generally Very Simple.

By H. H. Stoddard, Riviera, Texas



**P**OUULTY KEEPING IS simple or abstruse, according to the viewpoint. Most of the main principles of the art and science can be learned in half a day, aside from fancy poultry affairs and from commercial poultry on a large scale.

To hit the high places with merely one of the hundred fancy breeds is the work of a lifetime. To manage to advantage a large establishment for food purposes demands as much study as almost any business that can be named, since to really master the situation as many years are necessary as are commonly given in preparation for what are called the "learned professions" before beginning practice.

I know of no branch of industry subject to so much conflicting advice as poultry management, or so strewn with wrecks for the last sixty-five years, or in which there is so much time wasted by working at a disadvantage, or in which the workers are so slow to learn.

Evidence of this slowness is apparent in the fact that the colony plan was invented and published in 1870, and though it is now practised in all civilized countries, it took thirty-five years to get well in use. The correct management of sitting hens, a trivial matter at first thought, but one involving millions of national wealth, lagged for twice thirty years.

The important methods and the discoveries and inventions in poultry are surprisingly few, considering the extent of the occupation, and are also generally very simple. For that matter, the most important ideas in all industries, including those on which immense productivity depends, are almost always exceedingly simple. A "kinkum" or "dofunny" so simple as to appear actually a trifling matter sometimes determines the labor of thousands of men and the direction in which millions of capital are invested. Witness Colt's original invention of the revolver.

During sixty years certain ideas in the poultry world, the product of very ordinary brains have determined the use of an amount of labor and money enormous in the aggregate because the industry under consideration is a billion dollar craft and is followed so universally. It would be hard to name any industrial branch whatever, aside from domestic work, such as cooking, that is followed by so many families as poultry keeping is.

Some of the important inventions made since the advent to our shores of strange big fowls from the Orient started an interest in poultry previously unknown are as follows and are

### Very Simple.

(1) The scratch box, scratch room, scratch shed or outdoor scratch place. At its advent a completely new idea. The scratch room was the pioneer which called attention to the importance of exercise when birds, especially breeders, are yarded, and was followed, during the forty years next succeeding its first use, by mechanical "exercisers" of various kinds.

(2) The colony plan, to utilize wide range, promote exercise and save fences.

(3) The incubator and brooder.

(4) Balancing the food. Once one single article was fed, this commonly being corn.

(5) The trapnest. To assist methodical selection of heavy layers for breeding and culling out poor layers unprofitable for keeping.

(6) The hopper for feed. To save labor and keep grain from loss.

(7) Automatic watering. Particularly useful in non-freezing districts.

(8) Open-front houses to allow fresh air, thereby promoting vigor, prolificness and exemption from disease.

(9) The "Rancocas unit" or large flock system. Fought by the writer and everyone else for over thirty years, but now the stone which the builders rejected has become the head of the corner.

(10) Convergent yards. To save sixty-nine-seventieths of travel in attending yarded fowls.

(11) Open-air roosts at all seasons in suitable climates, and in summer time in all climates.

(12) The correct management of sitting hens. To save labor and to secure strong stock.

The last mentioned is of very great importance. Its value will, however, be but feebly recognized next week and next year. Out of the dozen landmarks of progress noted above, it exceeds in value any other single one, save two or possibly three, and exceeds in importance all four of the least valuable ones combined, but I can merely hint at this fact now.

Some of my readers, if limited to twelve points, would be inclined to strike out one or two of mine and substitute others. But the list cannot be very far wrong. There are, of course, dozens of good things, like punches, rings, etc., and details like coops, construction of nests, perches and such like that are not really big landmarks, and such things as cold storage of poultry and eggs, cars for shipping live birds and crates for eggs belong to marketing rather than the management of fowls are not included, neither are the Standard and scores of exhibition affairs.

Of the twelve, ten are mechanical inventions, or methods, involving some sort of apparatus. Patrick Henry it was who said, "I know no way of judging the future but by the past," and progress in the right keeping of poultry will continue to be largely along

### Mechanical Lines.

The mechanical fixtures were contrived because the habits and invincible nature of the birds were studied by parties who in every case, so far as my observation extends, were born fanciers. No, not fanciers exactly. They were born naturalists, or animal lovers. "Fanciers" is too narrow a term. The lover of animals may take to cattle, horses or sheep, and his attention may not have happened to have been given to feathered races at all. Or, if bird life appeals to him, it may be wild birds exclusively that take his spare time. Or he may be a tamer and breeder of cage birds. Or devoted to fishing, or to the fascinating study of entomology. Or to biology in general.

Supposing that domestic fowls are his hobby, he may not be a fancier in the sense commonly understood, that is, a



rotary of the Standard, but may be simply aiming not to cultivate arbitrary or conventional characteristics, but to develop the best there is in the natural traits and capabilities of a race of fowls as it was found (before a Standard was thought of) fresh from the cumulative influences of domestication ages long and partly wild, partly tame, with all its curious characteristics stereotyped through periods of time, older than the pyramids, and richly repaying the study of a lifetime.

The hobby just mentioned is immeasurably superior to that of the fancier whose Bible is the Standard; for the reason, as I have repeatedly pointed out, that the Standard is mainly a code of changing fashions, and after a fashion has been cultivated a while, at an immense outlay of time and money, and is then discarded, like the styles of trousers, gowns and hats, there is then little to show for all the painstaking of years and years.

Fascinating the pursuit is while it is going on. Yea, tremendously so, even to expending

#### Brains and Money

to an extent unbelievable by people who have never visited a high-class poultry show, and there are still many such abroad in the land. But there are lots of things that are fascinating that stop right there, leaving no important results when the game is over. Cards and billiards, for instance. The games played years ago are like names written in sand of the shore, and so are the features cultivated by the fancier and then abolished in favor of new ones not one whit prettier but simply harder to get.

Now contrast the poultry work that has a mechanical basis. The skill that has been employed in perfecting the incubator, for instance. Whatever advantage the machine is destined to bring forth will be the heritage of all future time and will affect the food supply of millions of people. I had a hundred times rather invent something that will aid in producing food for generations to come than create the advanced types of monstrosities in fowls and pigeons that have appeared in England for a century past all put together, were it possible for one person to do this.

A while ago I published in this magazine a description of what I named the "duplicate system" of yards for management of sitting hens, which method pleased me so much that I felt like jumping over a two-story house. Thought it was not capable of improvement. It has worked like a charm with me and saved endless labor and vexation of spirit, and had my sitters been of a better breed, with more uniformity of disposition, it would have worked still better. To find the very best breed for sitting purposes, in the sub-tropics, is a consummation devoutly to be wished. Climate is evidently not just right for heavy breeds.

I kept calling on poultrymen for years and years, to invent good methods of taking care of hens engaged in sitting, but my appeals were largely in vain. In all, volumes of diatribes against mother hens have been written though they are among objects most

#### Worthy of Admiration

found in the entire realm of animal life below the human race. "As a hen gathereth her chickens under her wings," suggests a picture than which there can be no finer in nature in the eyes of her true votaries.

The latest depreciation of the use of sitting birds I have

seen is in the April issue of the Poultry Advocate, from a writer who gives very valuable articles, and is in part as follows:

"I know of just one satisfactory plan of hen hatching. . . . Nests should be made in 'banks,' in rows, well ventilated and yet with door to shut in the sitting hens. I used to have mine in rows of eight nests. I would try to set eight hens at a time, running them all through the hatch as a lot. In the pen would be a box of corn, one of bran, one of oyster shells and grit, with a water fountain. If the floor of the pen did not give dusting qualities, I would have a bushel box filled with good soil. When it came time to feed and water the eight hens the doors of the eight nests would be opened along nine in the morning. A little dropping of the corn into the pan would start several hens off the nests, and those that remained were taken off by hand. Then I would go about other work for fifteen minutes, returning to see what had happened in the sitting room. I would find several nests occupied by hens. Perhaps one nest would have two hens on it, leaving one unoccupied. A hen might be still considering whether to go on the nest or wait till the opened door let her get back to her former quarters. I would get a hen back on each nest and close the door till the next day. Now and then I would find a hen that would

not sit as she should after the first feeding. Then it took some time to go into other pens and find a bird that could be moved in the day time.

"As the nests were attended to, the hens fed and watered, there were broken eggs discovered. This called for fresh nest filling, washing of the eggs that remained whole, and sometimes the getting of a fresh sitter. One of the hard things of hatching with hens is the bowel trouble that comes from feeding injured corn to them.

More hens soil their nests, more chicks die of bowel trouble, from musty corn, than all other causes. If in any doubt as to the corn—and you cannot get other—bake it in the kitchen oven till the color of it is slightly darkened. Then cool and keep in dry box till needed."

The baking advice is excellent, but this writer has missed the most general cause of bowel trouble. It occurs

from lack of exercise in twenty cases to one of musty corn. Sitters closely confined are afflicted as described time and time again, while their flock mates not engaged in sitting, but of the same age and breed, and fed on the same corn exactly are exempt.

Study the actions of a sitter off her nest of her own will, with plenty of room to run and get up full speed, and fly to the fence top, or upon some other elevated object, and down again, and bustle around generally, and hunt up her flock for a short visit, and race back near her nest, then scamper away again. Once I thought these antics were merely manifestations of delight at respite from the irksome restraint of sitting, but I now know better. They are fraught with deep meaning like many other habits of animals. Probably hens which steal their nests do not have bowel trouble and foul their nests in one case in a thousand. I will warrant not a reader of this magazine ever knew of such a case.

#### Trials and Tribulations.

Our writer's other vexations are familiar to readers. Hens do not return to their proper nests for instance. The hen which steals her nest makes no such mistake. Her brain is loaded to the limit with thoughts about her nest, and her previous nest. She spent lots of time considering the

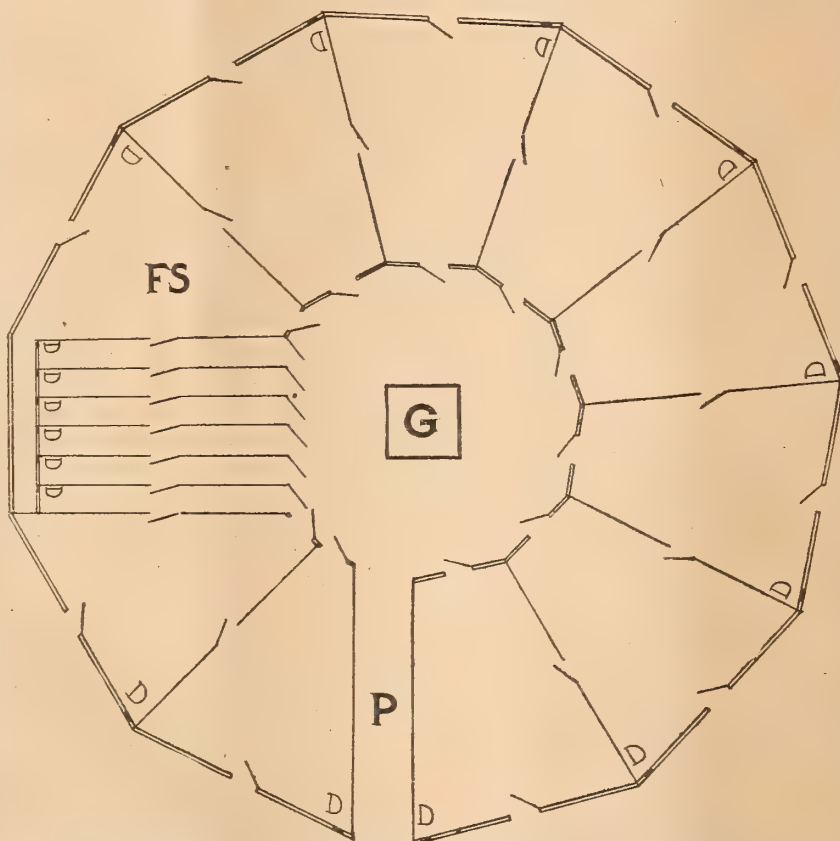


Fig. 1. Ground plan to explain improved method of managing sitting hens with convenience, certainty and labor saving. See H. H. Stoddard's article, The Value of Poultry Inventions, in this issue.



matter in the first place, and compared various localities before she laid an egg. All her actions proceed like clock work if she is not "taken off by hand" and "put back," and stirred up and confused generally. The more she is handled and made anxious about her nest, the worse she behaves. Even if she is quite a tame specimen and not nervous on ordinary occasions, she is excited when the sitting fever is on. The love for her eggs is almost as strong as love for actual chicks and all the fine program of nature is disarranged by a "brain storm."

What if some way could be contrived by which sitters could be let severely alone after eggs were assigned, all the time till hatching begins, just as if they had stolen their nests! Eureka! All fussing not only menaces success and vexes the poultryman, but takes up so much time as to mean good-by to profits.

If there ever was, in this vale of tears and world of sin and sorrow, a double-reciprocating back-action accumulator of woe, it is bad management of sitting hens, for the more you fuss with them the worse they behave and the worse you behave. The profanity department in Gabriel's book has, I'll warrant, more entries in connection with various imperfect methods of managing sitters than anything else, not even excepting hitting a thumb with a hammer.

Sometimes the very bird which will roll her eggs the best and keep them covered and attend to all things the best is so nervous as to be spoiled by fussing. When you shut a hen "on" and take her "off," waltz around, "drop corn in a pan" and raise h—ullabaloo generally she may in consequence stick to her nest days at a time till her bowels are in an abnormal state, when if she had never seen a human being after the eggs were given her she would have come off to eat every morning with the regularity of clockwork.

Contrive some way of letting sitters alone, and they will regularly air and turn their eggs and carry out the whole of nature's exquisite program just as the one which steals her nest does.

The duplicate system furnishes a way of getting around every difficulty. As originally published, it was carried out by taking three or four yards, like those at the upper right hand in Fig. 1, for instance, and fixing them up exactly alike as regards nests, and every other object in the yard. Each yard was an exact duplicate of the others. The nests were cheap boxes from the grocery store and of divers shapes and sizes, some were painted black, others white, while some were yellow or blue or red, and others left unpainted, so as to aid a layer or sitter in identifying her nest; but the assortment in one yard was exactly like that in the other yards as regards the number of nests and their size, shape, color and position. One of the yards held the main flock of a sitting breed, all supposed to be laying or getting ready to begin laying, and a few occasionally offering to sit. The idea was that if a sitter was taken from the main flock where she was offering to sit, and put into another yard she would find the same sort of nest with nest eggs ready for her in the same position, and would suppose she was in the same yard.

So closely one yard was made to resemble each of the others that the attendant himself couldn't tell which yard he was in by looking at the outfit in the yard.

When hens, say, to the number of twenty, had been shifted to a yard where they took to their respective nests of their own accord, the dummy eggs were removed, preferably by lantern light, and real eggs furnished the whole batch on the same date.

The yard had food and water always available and the twenty birds were left absolutely alone for twenty days, no harassing and confusing taking place any more than if each bird was occupying a stolen nest.

There was only one trouble so far as the incubating birds themselves were concerned, and that not a serious one, which was that when the hens came off to feed they could tell by the craking of their mates where the home flock was located and would sometimes turn in that direction and pace up and down by the particular fence. A sitter is always anxious to visit her flock mates and show off. It is hard to tell whether vanity or homesickness predominates. No harm was observed except that it seemed sometimes in cold weather that the fruitless attempt to go home made some of the birds stay off their nests too long.

But there was one very serious drawback, to wit: Where Leghorns are kept there will be apt to be around the premises somewhere some adventurers that hold a rover's commission and will get over the fence and lay in the sitter's nests.

Now for the improvement. Fig. 1 we will describe as follows: The diagram represents a set of convergent yards where the fowls in any yard go to its narrow end to be fed and watered, causing a very great saving of travel for the

attendant. The yards devoted to the incubation proposition are but six out of the whole sixteen, but are grouped with the others for manifest convenience. A granary "G" is located at center of inner court and reached by the passage "P," which is wide enough for a team. The inner court is of diameter sufficient to allow a wagon to be driven completely around "G."

The main flock of sitting breed supposed to be laying are in the yard "F S," but may be allowed outside range by means of a door "D," as is true in regard to the occupants of all the other yards.

The six narrow parallel yards are all furnished with nests in duplicate. They are narrow so as to be covered entirely across at the top, that no intruders may get in. Where I am the covering is either of wire or boards for shade laid with three inch cracks between; but farther north it should be a regular tight roof. In fact, a laying and sitting house of six rooms. Or a less number may answer in some cases, say, four or even three. Six are none too many for large scale operations.

The yard "F S" has nothing in it but roosts, food, water, etc. Its occupants will not be slow in finding the passage,



two and one-half or three feet wide, which is furnished with six doors "d." The letter "d," everywhere in the diagram, means not a regular gate but a small door, say, twelve by eighteen inches, opening upward, closing by gravity, and worked by a wire, extending to the central court. Make the flock use one of the narrow yards at a time for laying purposes. Let the hens offering to sit stay just where they are, the eggs laid to them to be removed gently by the same motions always and by the same attendant, allowing the bird perfect freedom to "get out o' there" if she chooses, or remain, while eggs are deftly taken from under her. Never catch her at all till she is through hatching. This is one advantage over the original plan.

When you have enough sitters for a batch, say, twenty, simply drop the little door "d" at the passage at sundown and next morning open another, giving access to the adjoining yard. The layers will not know the difference. In the original plan the sitters were fooled, while the flock of layers remained in the same quarters as before. In the new plan it is the layers who are fooled, while sitters continue business at the old stand.

I have found that some visitors have expressed warm approval of the convergent yard idea, but were not ready to construct a "nautilus" of so many "chambers." In other words they were contemplating having only three or



four yards. Now if there are over two yards there is a saving in travel by the wedge shape. The way is to build right as far as you go. Mark out on the ground an inner court and grade it a dead level at its outer circumference irrespective of any uphill and down in the yards. Then the fence which encloses the inner court and contains gates will be easy to make and will stand true. Now shape on the convergent pattern what yards you make, whether few or many, and have your battery of sitters' parallel yards located adjoining and accessible from the inner court as in Fig. 1. Then add other yards in a few years as you need them. The battery and yards, just as in the diagram, only smaller, will be exactly the thing for the farmer or suburban dweller with only fifty fowls, or the keeper with one hundred or one thousand or more. Only be sure, if the battery is of few

nests and on a small scale, to extend each duplicate narrow yard, or if at the north, supplement each duplicate laying room with a narrow yard long enough so that sitters will be encouraged to get up speed and run like sixty, for this matter trivial as it may seem, is of great importance.

When your sitters attend to themselves, and absolutely nobody enters their yard for twenty days, you supplying food and water from the inner court without stirring from your tracks, spending not an iota more than, on an average, one-twentieth of a minute per day on twenty sitters with three hundred eggs, and have big hatches of chicks, with a kick like a mule; as I am doing over and over and everything lovely, you will, intelligent reader, who can see through a ladder, then add battery after battery and will be as happy as I am.

## "The Care of the Egg Farm"

Review of an Important Bulletin Recently Issued by United States Department of Agriculture and Comment *By Prince T. Woods, M. D.*



THE CARE OF THE FARM EGG" is the title of an important bulletin (No. 160) issued by the Bureau of Animal Industry, United States Department of Agriculture, May 3, 1913. It was prepared by Harry M. Lamon and Charles L. Opperman, of the Animal Husbandry Division after careful scientific investigations covering several years. Copies of this bulletin may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., at 15 cents per copy.

While much that is contained in this bulletin is only scientific confirmation of views repeatedly expressed by experienced producers of market eggs, it is none the less important and it should be read by every poultryman who sells eggs for table purposes, and particularly by farmers, and buyers who collect farm eggs. We quote the following from an introductory note by Chief George M. Rommel, of the Animal Husbandry Division, whose statements, prefacing the bulletin, are plainly put and forceful:

"The egg investigations of 1910, which brought about the inauguration of the 'loss-off' or quality system of buying eggs in Kansas, resulted in marked improvement in the quality of the eggs marketed from that State. The work of 1911 was devoted to keeping up the interest in the movement and to the study of the effect of farm conditions on the keeping quality of eggs, the results of which are presented herewith. The 1910 work emphasizes the effectiveness of organization as a means to improve the egg output of a community; the work of 1911 shows how the farmer may assure himself of maximum returns for his eggs by taking proper care of them and by proper management of his flock.

"While the 1911 work was not, as some claim, a 'discovery' of the superior keeping quality of the infertile egg, the authors deserve the credit for focusing public attention on the fact. Of the loss of \$45,000,000 or more in the annual value of our egg crop, due to poor quality, at least one-third, or \$15,000,000 is due to 'blood rings.' A blood ring is caused by the development of the embryo of a fertile egg subject to heat and its subsequent death. No embryo can develop in an infertile egg, no matter how long it may be subjected to heat, because it is not fertile. Therefore a blood ring is impossible in the infertile egg; and by the removal of male birds from the flock as soon as the hatching season is over, and the segregation of young cockerels, no loss from blood rings will be experienced.

"Unless cooled at once and kept cool, a fertile egg will spoil in hot weather almost as quickly as raw milk, and the purchaser of fertile eggs, even on the 'loss-off' basis, whether he be the country-store merchant, the packer, or the consumer, has no assurance whatever against more or less loss. AN INFERTILE EGG WILL KEEP; A FERTILE ONE WILL NOT. It therefore does not require a great stretch of the imagination to realize what effect the country-wide production of infertile eggs would have on our food supply.

"Some of the loss due to 'rots' and 'spots,' as shown in this bulletin, is CAUSED BY CONTAMINATION IN THE NEST and is largely, if not entirely, PREVENTABLE. Both fertile and infertile eggs may be damaged in this way, although infertile eggs are less susceptible than fertile ones." (The capitals are ours.—Editor.)

In commenting on the millions of dollars lost each year

as a direct result of haphazard methods of production, marketing and shipping, Messrs. Lamon and Opperman say:

"The greatest part of the loss is due mainly to ignorance or indifference on the part of the farmer and producer, and only a small part is caused by carelessness on the part of the buyer and shipper. In many instances the buyer is indirectly responsible, for when he buys eggs by the case-count system, as many of them do, he is encouraging the producer to be careless in gathering and marketing eggs, since he pays him for anything that has an intact shell. The conscientious producer, however, will not try to shield himself under this pernicious system, so it is very much to his advantage to aid in the improvement of the commercial egg. He may not receive any extra compensation at the very start, but just as surely as he makes an organized effort to furnish the trade with strictly fresh eggs, so surely will the competition in trade make it possible for him to dispose of his superior product at an increased profit."

In other words, as practical men have recommended for a long time, IT PAYS TO GRADE YOUR EGGS ON THE HOME PLANT BEFORE MARKETING. Produce infertile or STERILE EGGS from well-fed, well-cared for hens. Grade all your eggs according to quality and don't mix the different grades in same case. Market your eggs often. Common-sense care and attention to detail in delivering quality goods is certain to PAY BETTER RETURNS eventually. The advice is not particularly new, but IT IS GOOD and it has been little heeded by the majority of producers.

### The Grading of Eggs.

We quote the following from the chapter on grading eggs in the Lamon-Opperman bulletin:

"Where eggs are handled in large quantities there are certain grades by which they are sorted and either retained for market purposes or rejected as useless. A brief description of these grades and the characteristics by which they are detected is given below.

"**Fresh Eggs.**—An egg to be accepted as a first class, or fresh egg, must be newly laid, clean, of normal size, showing a very small air cell, and must have a strong, smooth shell, of even color and free from cracks. With the exception of the air cell, which is only visible through the aid of the candle, these are the points by which eggs are graded in the early spring, at which time they are quite uniform in quality, thereby making candling unnecessary.

"**Checks.**—This term applies to eggs which are cracked but not leaking.

"**Leakers.**—As indicated by the name, this term applies to eggs which have lost a part of their contents.

"**Seconds.**—The term 'seconds' applies to eggs which have deteriorated to a sufficient extent as to be rejected as firsts. They are, however, of a high enough quality to be used for human consumption. The several classes of eggs which go to make up this grade may be defined as follows:

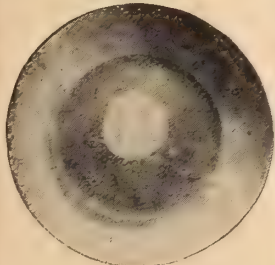
"(a) Heated egg: One in which the embryo has proceeded to a point corresponding to about 18 to 24 hours normal incubation. In the infertile egg this condition can be recognized by the increased color of the yolk; when held before the candle it will appear heavy and slightly darker than in the fertile egg.

"(b) Shrunk egg: This class of seconds can be easily distinguished by the size of the air cell. It may occupy from one-fifth to one-third of the space inside the shell. The holding of eggs for a sufficient length of time to allow a por-

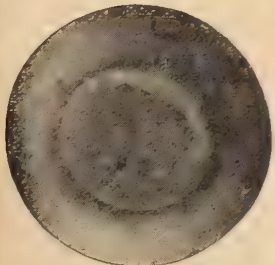


# ATTENTION \* FARMERS

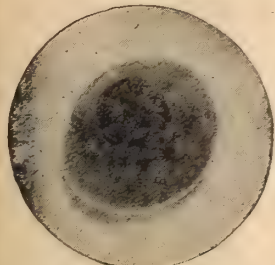
## PRODUCE INFERTILE EGGS \* PREVENT LOSS FROM BAD EGGS



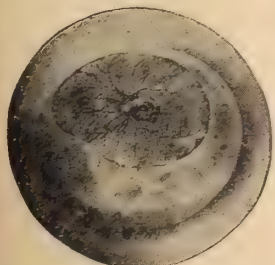
2. Fertile egg after 24 hours of incubation.



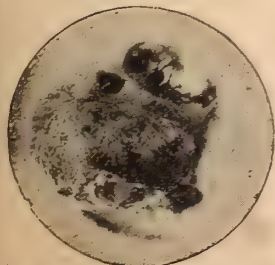
4. Fertile egg after 36 hours of incubation.



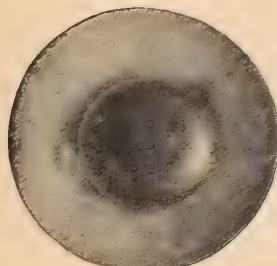
6. Fertile egg after 48 hours of incubation.



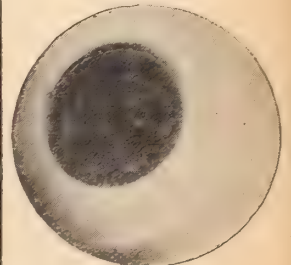
8. Fertile egg after 72 hours of incubation.



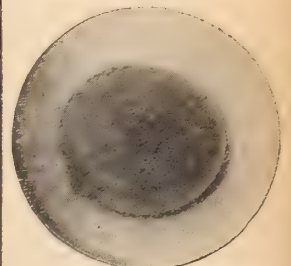
10. Fertile egg after 7 days of incubation.



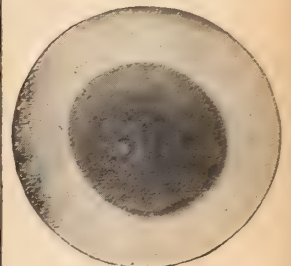
1. Fresh egg.



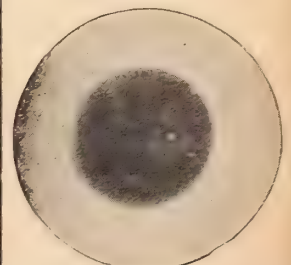
3. Infertile egg after 24 hours of incubation.



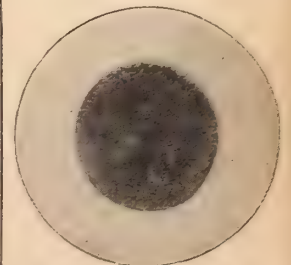
5. Infertile egg after 36 hours of incubation.



7. Infertile egg after 48 hours of incubation.



9. Infertile egg after 72 hours of incubation.



11. Infertile egg after 7 days of incubation.

The loss to the farmers of the United States from bad methods of producing and handling eggs is estimated at \$45,000,000 annually.

IT IS ALSO ESTIMATED THAT \$15,000,000 OF  
THIS LOSS IS DUE TO BLOOD RINGS.

Every dollar of this loss from blood rings is directly preventable on the farm.

Blood rings are a certain stage of chick development in the egg.

Heat develops the germ until it becomes a blood ring. (See Figures 4, 6, and 8.)

Blood rings often develop in the nest and in an unheated room in the house during the hot summer weather. (See Figures 4, 6, and 8.)

Blood rings can not be produced in the infertile egg.

Blood rings are troublesome only in hot weather.

Infertile eggs are eggs laid by hens that are not allowed to run with a male bird. (See Rule 5, below.)

A study of these pictures should quickly convince one that the infertile egg is the quality egg; therefore, produce it, by removing the male birds from the flock, and realize more money for better eggs. The removal of the male birds has absolutely no influence on the egg production.

### RULES

Farmers are urged to adhere strictly to the following rules in handling their poultry and eggs:

1. Keep the nests clean, provide one nest for every four hens.
2. Gather the eggs twice daily.
3. Keep the eggs in a cool, dry room or cellar.
4. Market the eggs at least twice a week.
5. Sell, kill, or confine all male birds as soon as the hatching season is over.

### NOTICE

Information on the care of poultry and eggs may be had by writing to the Bureau of Animal Industry, U. S. Department of Agriculture, Washington D. C.

A. D. MELVIN,  
Chief Bureau of Animal Industry.

Approved:  
JAMES WILSON,  
Secretary.

Washington, D. C., July 10, 1912.



tion of the contents to evaporate is the main cause of this condition.

"(c) Small egg: Any egg that will detract from the appearance of normal eggs on account of its small size will come under this class, although it may be a new-laid egg.

"(d) Dirty egg: Fresh eggs which have been soiled with earth, droppings, or egg contents, or badly stained by coming in contact with wet straw, hay, etc., are classed as seconds.

"(e) Watery egg: Those in which the inner membrane of the air cell is ruptured, allowing the air to escape into the contents of the egg and thereby giving a watery or frothy appearance.

"(f) Presence of foreign matter in eggs: Small blood streaks or clots. This condition is found in many fresh-laid eggs. Often eggs are laid which show small clots about the size of a pea. These are sometimes termed 'liver' or 'meat' spots.

"(g) Badly misshapen eggs. Eggs which are extremely

the smell. It is also known as the 'mixed rot.'

"(c) Spot rot: In this case the foreign growth has not contaminated the entire egg, but has remained near the point of entrance. Such eggs are readily picked out with the candle, and when broken show lumpy particles adhering to the inside of the shell. These lumps are of various colors and appearances. It is probable that spot rots are caused as much by mold as by bacteria, but for practical purposes the distinction is unnecessary.

"To all intents and purposes the spot rot as explained above is practically the same as the brown and black spots described under the general head of 'Spots.' The spot rot is also placed under the general head of rots simply because some candlers will call it a spot, while others designate it at a spot rot. Pink and blood rots are names which are also applied to certain classes of rotten eggs, the pink rot deriving its name from the peculiar pinkish color of the contents when held before the candle. The same thing is true of the blood rot, which is bloody or red in appearance."

#### The Experiments.

We haven't time and space to go into details concerning the experimental work reported in this bulletin. Those who are interested will find the data published by Messrs. Lamon and Opperman worth while reading. An effort was made to plan the work so that tests would show the deterioration taking place under actual conditions on farms, in country stores and during transportation. The work was done in a practical and painstaking manner. Only fresh-laid eggs were used in the tests and of these some 10,000 were used.

Six classes of eggs were used: "Clean fertile, dirty fertile,



long or very flat, or in which part of the shell's surface is raised in the form of a ring; in other instances a number of hard wart-like growths appear on the outside of the shell.

"Spots.—Eggs in which bacteria or mold growth has developed locally and caused the formation of a lumpy adhesion on the inside of the shell. There are three well-recognized classes of mold spots, namely, white, brown, and black. In cases where an infertile egg has been subjected to natural heat for a sufficient period of time, the yolk will often settle and become fixed to the membrane. This condition might be termed a 'plain spot.'

"Blood rings.—Eggs in which the embryo has developed to a sufficient extent so that it is quickly recognized when held before the candle. It has been found that it requires between 24 and 36 hours of incubation under a sitting hen to produce this condition.

"Rots.—Eggs which are absolutely unfit for food. The different classes of rots may be defined as follows:

"(a) Black rot: This is the easiest class of rots to recognize and consequently the best known. When the egg is held before the candle, the contents have a blackish appearance, and in most cases the air cell is very prominent. The formation of hydrogen-sulphid gas in the egg causes the contents to blacken and gives rise to the characteristic rotten-egg smell, and sometimes causes the egg to explode.

"(b) White rot: These eggs have a characteristic sour smell. The contents become watery, the yolk and white mixed, and the whole egg offensive to both the sight and



washed fertile, clean infertile, dirty infertile, and washed infertile. Clean fertile eggs were normal fresh eggs produced by the farm flocks, on free range, with several mature male birds present during the entire season. Dirty fertile eggs were fresh ones from the same flocks, but which before entering the experiments were artificially dirtied with barnyard mud to conform as nearly as possible with the natural dirty egg. Washed fertile eggs were fresh eggs from above flocks which were thoroughly washed previous to being put in the experiments. In washing the eggs they were allowed to remain in a basin of water for a few moments and immediately dried with a towel. It is the general opinion that washed eggs do not keep as well as unwashed, and it was to determine this point that these eggs were used.

"The three classes of infertile eggs used were identical with the fertile eggs, with the exception of being produced



by flocks where the male birds were removed three weeks previous to using the eggs."

This last class of eggs did not enter experiment until June as it was aimed to attain farm conditions and was reckoned that the farmer could not dispense with services of male before three weeks prior to June 1st. Also late in season the "infertile" eggs used in tests did not run 100 per cent sterile, as should be the case on an egg farm where no males run with the market egg layers. The reason given for this was the activity of developing young cockerels in farm flocks on free range late in the season and the obvious fact that a farmer desiring vigorous cockerels would grow them on range rather than confined. Therefore the tests made allowance for such conditions.

The keeping quality of eggs was tested in ordinary unheated farm house parlor, for best living room conditions, in cyclone caves, in cellars and under common country store conditions. Tests were made with eggs in nests under corn cribs, in straw stacks, in ordinary nests, in stolen nests and in nests occupied by both layers and broodies. Transportation conditions covered a 10-hour journey in ordinary car for 78 miles and a delay of 12 hours in car previous to starting on journey. At packing house usual conditions were observed. All eggs were marked and dated, which made collection of accurate data easy and complete re-made collection of accurate data easy and complete records were kept.

A room in dwelling house was not found to be a desirable place for storing eggs in warm weather. Most farms were found deficient in desirable storing places for fresh-laid eggs. The clean and well-aired cyclone cave or the clean, dry, well-aired cellar (a very unusual cellar, by the way, on most farms) were found to be the best places for storing eggs on farm. Under most favorable conditions marketing twice a week, at least, is recommended.

Damp cellars where there is any mold are very undesirable and much more unsatisfactory than an unheated living room in house. Of course the clean, well-aired milk room of a modern farm-house basement, would make the best place for home storage.

Layers on nests in laying houses caused almost as much deterioration of eggs, from staying on nests, as did broodies managed in usual manner. Where eggs are removed from nests at least once daily, or more often, and where broodies are promptly "broken up" the loss from such source is small with fertile eggs and of course less with infertiles.

From house tests it was decided that an unheated room in dwelling is not as good a place as a cyclone cave or dry unheated cellar for storing eggs. The infertile eggs came through test in best condition. The keeping qualities of the three classes of fertile eggs was about the same. To realize best returns the producer is advised that he cannot afford to keep eggs in the house in warm weather.

In cellar and cave tests the clean and washed fertile eggs compared favorably with the same classes of infertile ones while in the cave, but deteriorated more rapidly during transportation.

The washed egg tests were negative in results. Under like favorable conditions the clean, washed and dirty fresh-laid eggs proved up about the same. It was not shown that washing injured the eggs. This, however, was not considered to show that eggs might not be injured, under longer periods of storage, if bloom had been destroyed by washing prior to storage. The market will not accept washed eggs at first quality fresh egg prices.

Eggs from straw-stack nests showed a large percentage of blood rings and some eggs exposed in a straw-stack nest during a very hot week (July 1 to 8), on examination at packing house were found to be cooked so hard that the albumen could be cut with a knife without running.

Weed nests on the ground showed heavy losses from blood rings and rots. Eggs from stolen nests showed losses from deteriorated eggs. The losses in tests with fertile eggs was nearly twice that with infertile ones.

In temperature tests eggs were found to deteriorate rapidly under any temperature 88 degrees F. or above. Fertile eggs under hot weather conditions deteriorate so rapidly as to show, when overheated, a 40 per cent depreciation into seconds in 24 hours, 40 per cent total loss in four days and 100 per cent loss on fifth day. Infertile eggs under like conditions show 20 per cent seconds in 24 hours and after fourth day 100 per cent are seconds, but in no case is the deterioration so great as in fertile eggs. Our recommendation would be to keep eggs in hot weather where the temperature does not rise above 65 degrees F., and preferably not above 50 degrees F. It is easy to understand the considerable depreciation which must occur through handling in hot stations and cars during transportation, cases sitting in the sun, and eggs displayed in sunny store windows.

### Summary.

The extensive experimental work reported in the bulletin and from which conclusions are drawn was conducted in the State of Kansas under different farm conditions. The authors summarize the results as follows:

"1. Eggs kept in the cyclone cave proved much better in quality than those kept under other conditions.

"2. Taking the season as a whole, an unheated room in a dwelling is not conducive to good quality in eggs.

"3. During the hot summer months the conditions surrounding the weed nest, the nest in the straw-stack, or under the corn crib, and the stolen nest, as well as the keeping of eggs in the house, favor the production of spots, blood rings and rots.

"4. The greatest deterioration in fertile eggs occurred in the experiments which included a certain amount of natural incubation, namely in the nests for layers and the stolen nest experiments.

"5. The straw-stack experiment gave the greatest number of spots, both in fertile and infertile eggs, and also the highest percentage of rots in the latter class of eggs. It was the test in which a large number of infertile eggs deteriorated to such an extent as to be unfit for food.

"6. In fertile eggs the development of the embryo after 24 hours of incubation was of sufficient proportion to be recognized when held before the candle, and at the expiration of 36 hours the presence of blood was easily detected. In infertile eggs under the same conditions a slight shrink



A flock of Single Comb White Leghorns on the farm of R. J. Elliott, Mansfield, Ohio.

age of the contents was the only change which could be recognized by the eye.

"7. INFERTILE EGGS, regardless of where they may be kept, ARE MUCH MORE RESISTANT TO DETERIORATION than fertile.

"8. Two-thirds of the total loss in fertile and infertile eggs takes place on the farm. The basic factors responsible for this condition are the haphazard methods of poultry management on the farm.

"9. If eggs are fresh when delivered to the buyer it is impossible, with present methods of transportation, for them to reach the packing house without showing a slight deterioration in quality. The data at hand would indicate that this loss is about 12 per cent of the original value of the eggs.

"10. The results of all experimental work point to the fact that the production of the infertile egg is the greatest asset in the attempt to produce high-quality market eggs during hot weather.

"11. The authors believe that if the five simple rules given below are followed by egg producers generally a high quality of product will be assured and a very large part prevented of the loss now experienced in the value of the country's egg production:

"Give the hens clean nests.

"Gather the eggs at least once daily.

"Keep eggs in a cool dry place.

"Market eggs at least twice a week.

"Kill or sell all mature male birds as soon as the hatching season closes."



# A Reply to Mr. Holden on Campines

Dr. J. H. Prudhomme, Thurmont, Md., Takes Exception to Statements Made by Mr. Holden in April Issue of the American Poultry Journal



HAVING had some experience with poultry, and having bred the Belgian Campine and improved Silver Campine, and more having given much time and much thought to this breed I would like to have a few words to say in reply to Mr. Holden's article on Belgian Campines in the April issue of American Poultry Journal.

Perforce I must say that this gentleman's harangue on the Belgian bird, figuratively speaking, must remind one of the Roman gladiator, who having lost his turn receives the turned down thumb of the King, and realizing he must lose his life he bursts out in an impassioned oration venting his spleen on the public, on the King and everything in general. In this case the gladiator is the Belgian Campine, its mouth-piece, Mr. Holden, the King is represented by the people who have repeatedly in this country and in England turned down the Belgian Type Campine, but in its last stand through its American mouth-piece, Mr. Holden, its impassioned oration is declaimed.

Now, I shall not take it upon my own authority to make direct reply to the charges against the Improved Campines as mentioned by Mr. Holden but I shall quote from the best authorities on Campines and I shall rest the case with the erudite, intelligent, reading public for its deduction and final judgment.

It is most fitting and proper that I quote you first from "the father of Campines," the Rev. Lewis Jones of England. I believe Rev. Jones is recognized as the originator of the Improved Campines. In regard to the egg-laying abilities of the Improved Campines, he says: "The Parent stock hens have a long egg-laying pedigree, and I may as well say here that the English Campine has gained rather than lost in egg-laying power since its introduction into England. It has gained for we have bred for the character of egg-laying just as we have bred for the improvement of markings of feathers. I say this because at present certain people in England and abroad delight in libelling the English Campine. It passes my comprehension why they should thus bear false witness against the bird as they persistently do. Not only have we improved the prolificacy of the bird, but we have more than maintained the size of the egg."

Rev. T. W. Sturges, M. A., president of the English Poultry Club and of the Campine Club, says of the Improved birds: "We who breed it know well that it deserves all the good things we can say of it: . . . Like the child we love, we feel that no dress can be too fine for it. It would grace them all. No veil of delicate lace could be too pure in color to adorn its shoulders, and no girdle of finely woven silvery tracery too beautiful for its waist. It is such a robust, yet withal dainty little thing, that it is worthy of our best efforts. Besides all this it is so useful. If you keep, as I do, a dozen varieties or breeds of poultry, don't forget to tell your neighbors that those clean-looking, bright, pure white eggs of such a magnificent size, come from the Campine. They beat their gigantic neighbors, the Cochin, Braham, and Wyandotte into fits for size, and what is more, they lay two of them where most of the others lay one. Moreover, they take less food to produce them. As to winter laying they do as well as any breed. One fact alone will testify to this—I have this year, pullets hatched in the end of April and beginning of May, 1911, that laid well in Nov. and Dec. and what is more, I got a strong brood of chix from their eggs, which hatched out on New Years Day, 1912."

Now, I shall quote you from Miss Carey. Miss Carey is interested in the popular breeds, the paying breeds, the live ones not the dead ones. Why does she sing the praise of the Improved Campine? There is a reason, here it is, she says:—"Another breed fast booming in England is the Campine especially the Silver variety." Read carefully, please, especially, you, Mr. Holden. "It is now well known by most to be a breed of Belgium origin, although as with the White Faverolle, these new varieties are purely English, carry an English Standard quite apart from the original standard from which they were in course of time evolved and are now distinct English breeds formed to meet the demands of modern times and conditions and above all to abolish that system of double

mating that has ruined the popularity of almost every breed that has suffered from its curse."

For further elucidation and information to those who are not so well posted on the material differences of the types it is essential that I quote Miss Carey further for which privilege I beg permission from the editor, whom I will remind that it takes but a tiny spark and but a moment's time to cause a great conflagration, the extinguishing of which requires much time and labor.

Miss Carey further says: "The Belgium male differs chiefly in the plumage, the pure white of the neck and the hackle being carried down the back and to the saddle or shawl. This feature gives the bird a weak or pale appearance and in consequence lost to the breed a good deal of popularity that was won for it by the pullets with their bright, clear, sharply defined barring throughout."

"Some years ago a few leading English breeders realizing the promise the breed held, decided to break away from the Belgian breed, dispense with double mating, and produce a variety that permitted the male to carry the same clear, sharply defined barring throughout the body as the female. . . . The new variety has now been brought to a state bordering on the entire conquest of the old traits, and their appearance met with success that surpassed all anticipation. . . . In a flock there is nothing probably so attractive to the fancier as a flock of some hundred Silver Campine pullets put together for laying, and as money makers, the profits they can turn out is extraordinary."

If you please I shall now quote you from Mr. Frank L. Platt, the American authority on Campines. Since the advocates of the Campines have sought out the best to give America a new class of egg-machine, Mr. Platt has taken up their cause, has earnestly studied them, has traveled into their native Belgium and Wales to see where they began their progress. He says: "The Campines are pretty birds, but it was not until about 1865 that any attention was paid to breeding them for feather and form. A Mr. Van Horn, who was station master at St. Leirre at Turnhout, Belgium, made a hobby of the Campines and during thirty consecutive years was engaged in breeding and improving the Campine breed. He gave the peasants eggs, often his best cocks and even his pullets, thus improving their stock from the fancier's viewpoint—making it more desirable and valuable. . . . It was this stock that was imported into England and exported into America. They were admitted into the American Standard of perfection, and appeared in the edition of 1894. The back description of the male called for a white saddle. These white topped males were white in the wing bow and white in the wing bay. They were shown in New York in the early nineties. It was before the present day of high cost of living and the productiveness of the Campine failed to secure for it a permanent place in America. In England the fowl was more favorably accepted and received an initial boom. The Campine club of England was formed in 1899 and in 1902 had a membership of 77. However, the call for stock birds and eggs for hatching necessitated the wholesale importation of birds from Belgium and these imported birds failed to satisfy the fastidious English fanciers. Naturally the fowl failed to prove up and drifted out."

Notwithstanding the highest authorities, Mr. Holden is still holding out for the antiquated Belgian type Campine. Read carefully the following from Mr. Platt: "In England the revival of interest in the Campine dates back about five or six years, when the hen-feathered stock began to command attention. This new type was not received without strenuous objection from those who, having been fortunate enough to have some of the best stock, were faithful to the breed and championed the white top color of the males." Listen, "however, the hen-feathered type of male prevailed."

"In America there had been a void between the departure of the old and the arrival of the new Campine. The first hen-feathered Silver Campine male appeared in 1904 and with it a plumage more flattering to the eye was created and the depression was replaced by greater enthusiasm, competition was stimulated by the keen desire to obtain the advanced type and a new lease of life was given to the Campine fancy of Britain."

"The new Campine, while in name Campine, is in blood half Braekel."

Mr. Holden would have you believe the Improved Campine is a "four-flush cross-breed." When I get thru quoting Mr.



Platt you will know what is what, and I fear Mr. Holden will show more of the "four-flush-cross" in his unfounded argument than there ever was in the Improved Campine.

The trail is hot, you will find that the Improved Campine originated right in the home of the Campines. Quoting Mr. Platt: "The first hen-feathered cock came from the yards of Mr. Oscar Thomas, Renaix, Belgium. Renaix is in southeastern Belgium, near the French border and it is in this district that the Braekel chicken is grown. This cock was exported to England and there bred for the sake of the new fashion which it had set."

"The Braekel may be said to be the backbone of the new Campine. Crossing has been easily possible and quite practical. The Braekel contributed some good qualities to the new Campine.

"This Braekel in Belgium lays a larger egg than its sister,

the Campine. It gave to the new Campine more neat qualities, for the Braekel is a delicious table bird and much larger than the industrious little Campine that one sees on the sandy plains of La Campine."

Mr. Holden says: "The statement concerning the make up of the 'Improved Campine' has no foundation whatever. . . . there is no difference between the Campine and the Braekel, etc., etc." When we compare this gentlemen's assertions along side of recognized authorities there is a big question mark that looms up to be placed.

I could go on quoting authorities upon authorities in refutation of each and every statement that Mr. Holden makes, but I shall rest the argument as the matter stands, and I shall let the public draw its own conclusion.

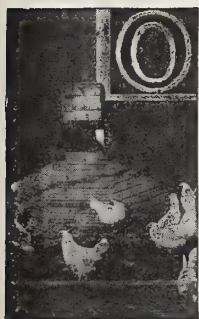
DR. J. H. PRUDHOMME.

Thurmont, Md.

# Popularity of the White Orpington

Some of the Many Reasons Why the White Orpington Has Become So Popular in America

By Louis Lee Haggin, Lexington, Kentucky



NE of the greatest proofs of the popularity of the White Orpington is its great adaptability to all climates. We hear of its doing well in all localities; as far north as Alaska, in the Tropics, South Africa, South America, and, in fact, in every section of the world where the white man is. I know of no breed that can acclimate itself as readily as the White Orpington. This has, without doubt, made it the most popular of all standard breeds of poultry. However, it is needless to say that some localities are superior to others for rearing and breeding stock. Ever

since Daniel Boone started the first settlement in Kentucky the state has been recognized as the nursery for all forms of thoroughbreds. It is not necessary to mention the great race horses, both thoroughbred and standardbred, born and reared on our wonderful natural acres of blue grass. The same is true of cattle, hogs, and not least, poultry. I attribute my success greatly to the blue grass pastures of my poultry yards, and believe no other breeder anywhere in this country has the natural advantages of so great a climate, acres of virgin sod, and the best of water with ideal drainage. Therefore, I make the statement without fear of contradiction that the South, in the near future, will be the foremost section of the world in producing all forms of poultry. However, it has been difficult throughout the southern states to make the farmer realize the great opportunity he is losing in not considering the importance of caring for and rearing the greatest of all breeds of poultry, the White Orpington, but he at last recognizes its great points of merit—splendid table qualities and wonderful egg production.

A dual-purpose animal always has been in great demand by all thinking breeders. The thoroughbred horse, probably one of the greatest accomplishments of man's brains in breeding, is one of the best examples; an animal of great speed and great endurance, and one bred to carry weight. The Jersey cow, a large milker with a very large per cent of butter fat, has always been selected by the careful breeder. Now, a no less wonderful production of man than these is the White Orpington. No one contradicts the claim in regard to its table requirements, and the proofs of its great qualities as a layer can be found in authentic tests, as it is not necessary any more to have to be governed by the statements of any breeder, but one can get records of their laying from Australia or from two experiment stations in this country running yearly tests. I am more than pleased to refer you to the record of my ten pullets at the Missouri National Egg-Laying Contest, now being held at Mountain Grove, Mo., by the Missouri Experiment Station, and the winning of the cup for February by the ten birds laying the greatest number of eggs during that month, I believe proves conclusively that I have not forgotten in their breeding the most important of all qualities, and I am more than satisfied that they have proven their winter laying qualities.

The question of breeding White Orpingtons will probably interest more breeders and beginners than any other subject that one might discuss. The knowledge that I have gained in regard to breeding all forms of stock I have arrived at through hard reading, lots of thought, and in asking ques-

tions of all breeders that I knew, and being in Kentucky could more easily get opinions from noted breeders than in any other part of the country.

The breeding of chickens is, however, to a great extent different from the breeding of horses, cows or hogs, and I honestly believe that to mate a breeding pen that will produce numerous great chicks is more difficult than to breed a great race horse or a cow that has a great milk test. This statement may surprise a great many beginners, as they will consider the breeding of chickens not a very difficult subject to master. However, it is true on account of the great factor of atavism, which plays such an important part in the breeding of any form of animal. Atavism is the throw-back to some forefather, and when one takes into consideration how few pedigrees there are at the present time in poultry, one must realize that a bird must throw back to a large per cent of forefathers that the breeder knows nothing of. Unfortunately, there are very few pedigrees that will show any bird for four generations, while a horse or a cow can be traced for many times this number. This is a great aid to the breeder of the larger animals, for, by referring to his stud book and studying the pedigrees, making notes of the forefathers, and breeding for points that he wishes, he can expect a fairly good individual showing of the points that he is looking for. But the breeder of White Orpingtons is handicapped at the start in not being able to refer to a stud book, and cannot tell what to expect or what to guard against in the weaker points of the forefathers.

Many breeders of White Orpingtons keep an accurate pen pedigree. By a pen pedigree I mean marking chicks from certain pens, but these are, in my estimation, very dangerous beginnings of what must be the starting of a great stud book. Take an ideal breeding pen of eight females and a male, and even if it were mated up with eight full sisters, the pedigree of which was known for four generations, to a male, the pedigree of which was also known, a great many people would consider that the chicks from this mating should to a great extent approach the ideal that they are working for. Unfortunately, I do not think that this is the case, as it is only too easy to prove by referring to any stud book and noting the breeding powers of full sisters or full brothers. Full sisters do not necessarily breed the same nor do full brothers. Very often the dam or the sire that is not nearly so close to the ideal as its brother or sister will prove the greatest breeder. I am only considering this in detail to impress how necessary it is to keep an accurate record by trapnesting and careful marking. When a breeder plans to raise hundreds of birds in the year this may not seem very practical, but I do believe that it is practical, and the only way to show that this can be a success is to mark a large per cent of individual matings each year from one's best pens. I think you must agree with me that pen markings are hardly worth the labor except to prove the quality of the breeding power of the male, and there is only a dangerous trap in regard to the females, but that individual markings should and must be the eventual outcome of successful breeding of any animal.

There is a vast difference of opinion in the minds of breeders throughout the country in regard to the importance of the male or female. Many believe that the sire plays the most important part in the production of a mating, and to a great extent, I agree, but I really do not think that the



female is considered as important as it should be. The more one studies pedigree the more one must be convinced that there has never been a great individual raised from a great sire and a poor female. By a great individual I mean a bird that can head a pen and his chicks will show a marked improvement and can also head a breeding pen that will show an improvement. If it were only necessary to consider the sire in regard to breeding, it would not be long before all forms of stock would show a wonderful advancement.

In my experience in breeding White Orpingtons I have found that the female must be a large, vigorous bird, and should be strong in the sections in which the male is weakest, otherwise the chicks will not show any noticeable improvement, and I believe that if most breeders would aim

to improve their females, the development of the breed would be much greater. I urge the breeders of White Orpingtons to keep accurate records of individual matings, to aim to improve their females, breeding from large, vigorous, good-colored birds, and I feel sure that the next three or four years will show a great improvement in the White Orpingtons in the section that they are now weak in. The question of color, size, etc., of course, does not play the most important part, as the real value of any breed of poultry is its claims to the utility clauses—great layers, and large, full-breasted birds of table qualities. There is also this point that should always be borne in mind by all breeders; any breed of poultry can be ruined that is bred solely for feathers.

## Report of National Egg-Laying Contest

Up to May 1 the Hens Had Averaged Fifteen More Eggs Each Than Last Year for the Same Period—English Pen of White Leghorns is Still Gaining Steadily



IT NOW BEGINS to look like most of the pens in the National Egg-Laying Contest at Mountain Grove, Mo., are going to make really creditable records. No records are being broken. However, every hen in the contest but nine has laid, and they all seem to be doing their best. No individual or pen record is extremely high, but up to May 1 the hens had averaged 15 eggs each more than for the same period last year. The English pen is still gaining a little each month over the American pens. Some suggestions as to the reason for their record and their lead

over the American pens are discussed in the latter part of this report. A Buff Wyandotte hen, No. 600, from Maryville, Mo., holds the record for April by laying an egg every day during the month. The hens are eating more feed than last year; especially is this true of the dry mash. Pen No. 26, Buff Wyandottes, laid 240 eggs during the month, an average of 24 eggs per hen for the 30 days, and won the silver cup for this month. Twenty-four pens laid over 200 eggs each during the month of April. Three hundred and sixty-seven hens laid more than 20 eggs each during the month. Out of the 700 hens over half of them laid more than 20 eggs each in 30 days, in spite of the fact that 195 hens had to be broken from broodiness.

The ten leading pens have made the following record for the first five and a half months:

	Eggs.
Pen No. 2—S. C. White Leghorns, England.....	1,117
Pen No. 23—Silver Wyandottes, Illinois.....	948
Pen No. 57—Black Langshans, Missouri.....	914
Pen No. 19—Silver Wyandottes, Iowa.....	914
Pen No. 33—Barred Plymouth Rocks, Illinois.....	865
Pen No. 49—Black Langshans, Missouri.....	850
Pen No. 56—White Orpingtons, Kentucky.....	846
Pen No. 20—White Wyandottes, Arkansas.....	842
Pen No. 58—Buff Orpingtons, Missouri.....	836
Pen No. 30—Buff Wyandottes, Vermont.....	832

The ten highest pen records for the thirty days in April were as follows:

	Eggs.
Pen No. 26—Buff Wyandottes, Missouri.....	240
Pen No. 11—Black Minorcas, Iowa.....	233
Pen No. 1—Anconas, Missouri.....	231
Pen No. 2—S. C. White Leghorns, England.....	227
Pen No. 9—S. C. Brown Leghorns, Missouri.....	225
Pen No. 40—R. C. Reds, Missouri.....	224
Pen No. 44—White Plymouth Rocks, Wisconsin.....	224
Pen No. 55—Black Orpingtons, Ohio.....	221
Pen No. 56—White Orpingtons, Kentucky.....	219
Pen No. 53—Black Langshans, Indiana.....	218
Pen No. 32—White Plymouth Rocks, Missouri.....	218

The following ten hens have made good records for five and a half months, including the winter months. Their total record to May 1 was as follows:

	Eggs.
Hen No. 66—S. C. White Leghorn, England.....	141
Hen No. 860—Buff Wyandotte, Vermont.....	136
Hen No. 600—Buff Wyandotte, Missouri.....	133
Hen No. 735—Black Langshan, Missouri.....	133
Hen No. 62—S. C. White Leghorn, England.....	126
Hen No. 65—S. C. White Leghorn, England.....	126

Hen No. 871—White Wyandotte, New Jersey.....	123
Hen No. 656—White Wyandotte, Arkansas.....	123
Hen No. 61—S. C. White Leghorn, England.....	123
Hen No. 601—Silver Wyandotte, Iowa.....	122
Hen No. 857—Buff Wyandotte, Vermont.....	122

### The Feeding Test.

The pen which has feed of all kinds before them at all times leads in this test, and has laid 790 eggs. Then follows the Canadian method with 765 eggs; grain feed in automatic feeders, 724 eggs; Maine method of feeding, 708 eggs; and on down to 481 eggs. The strange part of the experiment so far is that the Egg Farm method of feeding has given the poorest results. This pen is being fed mash and grain, as recommended by one of the large egg farms of the east. They also are fed mustard bran in the mash, as recommended by this farm.

### Pen No. 65, Saylor Method of Feeding.

Dry mash—

- 15 pounds ground alfalfa meal.
- 15 pounds cornmeal.
- 15 pounds ground wheat.
- 15 pounds gluten meal.
- 15 pounds ground oats.
- 10 pounds ground oilmeal or high-grade beef scrap.
- 15 pounds wheat bran.
- 1 25c box Saylor's Poultry Powder.

The above dry mash is fed in hoppers. Three times a week we feed the dry mash in a crumbly form, to which we add one-fourth teaspoonful of Saylor's Poultry Powder to every five fowls. After the third week we reduce the moist mash to once a week. To keep them in a healthy condition every fourth or fifth week we feed this mash again for a week, adding one-fourth teaspoonful of the poultry powder to every five fowls.

To give the fowls the proper exercise the following grains are fed in the litter: One-half ounce each of coarse cracked corn, whole wheat, and hulled oats, also sprouted oats daily. Every other day we substitute one-half ounce fresh cut bone for each fowl. For their night feed the fowls are also supplied with green food, such as cabbage, mangels, oyster shells and grit always before them. Fresh water, not too warm or too cold, always supplied. The feeding troughs and drinking vessels are frequently scalded with hot water.

### Why Does the English Pen Lead Our American Birds?

There must be a reason. Just what is responsible for this difference is yet to be determined. But when any one breeder in England or elsewhere can pick out a single pen of birds which will outlay 69 pens of American birds, and in five and a half months can get a lead of 169 eggs over its nearest competitor, we are inclined to believe that more than mere "luck" is responsible for this difference. After traveling on the ocean and land for two weeks en route to Mountain Grove, these birds laid their first egg in about three or four days after they arrived, and have kept it up consistently ever since. This pen must have been without feed or water a good portion of the time while being shipped. They appeared very thirsty and hungry when they arrived at this station, and there was no evidence of any feed about the shipping coop. Notwithstanding these facts and the fact that they were jostled, more or less and handled and transferred several times en route, they soon set about laying with a vengeance.

In view of the above rather startling facts, the question naturally arises, "Why are these hens from across the



pond so far excelling the best layers which American breeders have been able to produce?"

The average person wants to know right away whether the English White Leghorns look any different from the American White Leghorns. Yes, they do. The Leghorns from England have a distinctive type quite similar to the American Minorca. They are slightly larger than the American White Leghorns, more rangy, with larger combs, lighter colored eyes and tails pinched or not well spread. In this difference in type some poultrymen think they see the secret of the difference in egg production. They declare that the English Leghorns have more of an "egg-type" than their American cousins. Perhaps they are right, although there is room for a reasonable doubt.

Other observers of the contest declare that it is all a matter of breeding, that while utility poultry breeding in America is just in its infancy, in England it has been studied and reduced to a science for centuries. They simply admit that the American breeder has been outclassed, that he still has a lot to learn, either by experience and experimentation, or by taking lessons of his English cousins. The change in climate may have stimulated the English birds to better production. The change of climate would more than likely increase or decrease the production and it seems to have had the desired effect in this case. We are of the opinion that back of it all, however, is a difference in selection and breeding.

Still other investigators strongly assert that it is neither a matter of type or breeding, but that the high records which the English Leghorns are making at Mountain Grove are due to the fact that their owners have become skilled in maturing and handling pullets so that they will lay just when they want them to lay. This is indeed SOME skill, especially when they continue to exert this subtle influence after their birds are four thousand miles away, and have gone for months and months! This reason would seem much more logical if the English birds had simply begun to lay before the American birds did, and then simply main-

tained their lead. But when, after the American birds had gotten down to business, the English birds still continued to lay more eggs EACH MONTH, it fails to hold water.

One thing is certain, the English hens are ahead, and it begins to look as though they are going to stay ahead. Their owners have very evidently "caught on" to something which the American breeders have not. Just what that "something" is, remains to be seen. Most careful students of the situation, however, are agreed that it is largely a matter of scientific breeding and careful selection.

The owner of the English pen which is leading at the State Poultry Experiment Station at Mountain Grove, Mo., states that this pen of pullets was bred from females with high records and also sired by males bred from high-laying hens.

We have been urging Missouri farmers and poultry raisers for several years to breed from high layers, or at least from good layers, and have also insisted that the males which head the flocks should be sons of high layers. The latter is more important in our opinion than the former. Of course, it is understood that the breeding stock must be reasonably good size, considering the breed, and also be birds of high vitality. We feel that the average poultry breeder has been paying so much attention to color of feathers and show records that they have lost sight of the production of eggs to too great a degree. The English breeders made the same mistake several years ago, and, to revive an interest in egg production they started egg-laying contests, and this pen of winning hens is partially the result of this work. We hope some such benefit will come to Missouri and American breeders as a result of the egg-laying contests which have been started by the State Poultry Experiment Station at Mountain Grove. One thing is certain, promiscuous and careless breeding will never enable the poultrymen of this country to make any progress in egg production or along any other line. Careful breeding and selection must be practiced if we are to make progress in any branch of poultry husbandry.

## Wheat and Hay Only Exceed Poultry Products

Rapid Progress Shown by Figures Compiled by Professor Dryden



THAT the wheat and hay crops were the only ones which exceeded the poultry products, in the figures of the federal government in 1909, and that wool, orchard products, potatoes and swine all fell short of the poultry crop are interesting facts brought out in a recent statement on the Oregon poultry industry by Prof. James Dryden, poultry husbandman of the Oregon Agricultural College. He gives a general survey of the past history and present status of the hen in the beaver state, and predicts great things for her if she is only given a fair chance to show what she can do.

"Poultry keeping is making rapid progress in Oregon," says Prof. Dryden. "The last census of the federal government showed that the production of poultry and eggs in this state for the census year 1909 amounted to \$4,330,000. That is exclusive of the amount produced by small poultry keepers in towns and villages, which, if included, would increase the amount to probably \$5,000,000. The previous census taken in 1899 showed practically half this amount, so that the production was doubled during these ten years. Since 1909, however, there has been a much greater development than in any other similar period. It is safe to say that the increase during the past two years amounted to at least \$2,000,000. The poultry production during 1912 has been estimated at \$7,250,000.

"It is interesting to note from the census figures of 1909 that poultry products were exceeded by only two other branches of annual industry, namely, those of cattle sold and dairy products; poultry was third in the list. The wheat produced exceeded the poultry products, so did the hay crop, but the wool crop, the orchard products, potatoes, swine, etc., all fell short of the poultry crop.

"The poultry industry, therefore, is a large and growing one. It is a legitimate business and it is impossible to estimate what the next ten years will bring forth in the way of poultry products in this state. With the proper encouragement and direction the poultry production in this state should easily amount to \$20,000,000 before many years. It is an industry as much neglected as any other, but is capable of great and rapid development.

"During the past five years the Agricultural College Experiment Station, through its poultry department, has been actively engaged in building up this industry. It is not the only purpose of the college to increase production, though that is a laudable purpose, because thousands and millions of dollars have in the past been sent out of Oregon to purchase poultry and eggs for Oregon consumption. That bids fair to be a thing of the past in another year or two, but the big problem in poultry-keeping is now not only to increase production but to improve the economic qualities of the hen, in order to increase the profits. There will doubtless come a time when customers in the cities will be able to secure at reasonable prices all the poultry and eggs they care to eat at any season of the year, and that is right. Eggs are too much of a luxury at certain seasons of the year, but should the prices fall, and I don't expect them to fall very much on the Pacific Coast, it will be necessary for the producers, by better methods of breeding, to increase the average production of their flocks. The cost per dozen eggs must be lessened, and that can only be done by breeding up laying qualities.

"We have shown at the experiment station that the variation in laying in the average flock is very great. Records as high as 250 eggs and more have been secured, and at the same time from the same flock and with the same care there have been records as low as 6 eggs.

"The poultry industry has reached a point where, if it is to be a profitable business in the future, greater attention must be given to productive qualities. There are too many deadheads in the average flock. Our results at the experiment station further show that there are great possibilities in the way of breeding. It is useless to cry for more eggs when we neglect the only certain method of increasing production. Oregon is a good poultry state. We have the natural advantages; we have a good climate, cheap foods and good markets. Now let us make it a country that excels not only in climate and markets, but in high and profitable egg production. With this end in view the Board of Trustees of the Agricultural College has proposed to enlarge the poultry husbandry work of the college in order to meet the demand of the farmers for better laying stock as well as better meat breeds. The consumers in the cities also have a direct interest in this work.



# EDITORIAL

WE LEAD  
OTHERS FOLLOW

60,000 A. P. J.'s FOR JUNE, 1913.

State of Illinois, County of Cook, ss.:  
G. M. Atwell, president of the Atwell  
Printing House, Chicago, being duly  
sworn, certifies that the American Poul-  
try Journal has contracted for printing  
and binding sixty thousand copies of  
the June, 1913, issue.

G. M. ATWELL.  
Subscribed and sworn to before me this  
17th day of May, 1913.

(Seal) HENRY G. EISERT,  
Notary Public.

## OUR GUARANTEE.

We guarantee our subscribers against  
loss due to fraudulent misrepresentation  
in any display advertisement appearing in  
the American Poultry Journal, providing  
the subscriber when ordering the fowls  
or merchandise states that the advertise-  
ment was seen in the American Poultry  
Journal, and places the order during the  
month or months in which the ad is in-  
serted in our columns and notifies us of  
the fraudulent misrepresentation of the  
advertiser, giving full particulars, as soon  
as it occurs.

## The Farm Egg Bulletin.

In this issue we have given consid-  
erable space to a review of the Bureau  
of Animal Industry's recently issued  
bulletin, by Harry M. Lamson and  
Charles L. Opperman of the United  
States Department of Agriculture, on  
"The Care of the Farm Egg."

If you haven't received a copy, get  
one and read it. Our review is a hasty  
one and only fragmentary. The bulle-  
tin presents some old truths scien-  
tifically proved and told in a forceful  
manner that is easily understood.

There is abundant room for improve-  
ment in the means of getting eggs to  
market. A shrinkage or loss of from  
12 to 17 per cent of the total produc-  
tion would not be put up with very  
long by the producers of other food-  
stuffs. Better work for better trans-  
portation of eggs as well as for better  
conditions on the producing plant.

Already we find enterprising farms  
that are endeavoring to secure a direct-  
from-farm-to-the-consumer trade in new-  
laid eggs. Bear in mind that fresh  
eggs deteriorate in hot weather almost  
as quickly as raw milk. The fresher  
an egg is, when it goes to the cook to  
be prepared for the table, the better.

An enterprising Massachusetts farm  
is now advertising fresh-laid eggs by  
parcel post at 45 cents the dozen,  
mailed the same day laid. As the  
trade will be mostly within 12 hours'  
transportation from farm to consumer,  
this should insure minimum deteriora-  
tion. The price quoted is a 15 cents  
advance on the door price, and includes  
shipping package and postage as well  
as delivery at postoffice. Maintain the  
same relation between door price and  
delivered price through the season, and  
it will be worth while for both pro-  
ducer and consumer. We shall watch  
this with interest.

There are great possibilities in par-  
cel post trade if the farmer can get  
enough of it without too great an ex-

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the oldest poultry paper in America. It  
has a national and world-wide reputation.  
The best writers on poultry matters con-  
tribute to its columns. It receives the  
patronage and endorsement of the fore-  
most representative breeders of standard  
poultry and manufacturers of poultry ap-  
pliances in the country.

pense for advertising, and providing he  
can get a suitable egg carrier at rea-  
sonable cost.

Good new-laid eggs from well-fed  
flocks ought to be worth 60 cents a  
dozen, delivered by parcel post, the  
year round, on a twelve months' con-  
tract. Here is a chance for egg farm-  
ers to get busy.

## The Anonymous Letter Writer.

Fortunately, in our experience, the  
anonymous letter writer has been con-  
spicuously absent from among our cor-  
respondents. The man who is either  
ashamed or too cowardly to sign his  
name to his letters is not an object for  
admiration. Now and then an unsigned  
communication reaches us and it usu-  
ally goes promptly into the waste  
basket.

We have, however, one such anony-  
mous correspondent who has been un-  
usually persistent during the past year  
and a half and we can count on hear-  
ing from him at fairly regular inter-  
vals. We don't know who he is or  
where he lives, except that his letters  
usually come from the vicinity of Phila-  
delphia; sometimes from New Jersey,  
sometimes Pennsylvania, and the last  
from Annapolis, Maryland. He poses  
as an exponent of a "square deal." He  
reads A. P. J. with considerable  
faithfulness and is an apostle of the  
Rural New Yorker. For these reasons  
we are writing this editorial in order  
to give him an opportunity to discon-  
tinue low and cowardly methods and  
declare himself like a man.

This same unknown attacks freely  
the reputations of reputable men and  
firms that advertise in the leading poul-  
try and other magazines. He is an ad-  
vocate of reform, a square deal, and  
the showing up of frauds—that is the  
way he tells it in his letters. Yet he  
isn't man enough to sign his name to  
his attacks. We don't see how he rec-  
onciles his declaration of faith with his

own acts—maybe he will tell us.

The last letter, dated April 26, reads  
as follows:

"Sir: See 'Rural New Yorker,' issue  
April 26, 1913, page 622, column two,  
bottom. Interesting information E. A.  
Strout & Co. You bought your farm  
through these people and recommended  
them as all right. These parties get  
you both ends, cumming and going,  
which is all right I suppose from your  
view point. But Gee! Will you ever  
get wise to the 'Fakers' and admit  
it? Yours truly,

Ha Ha! For a square deal all round."

The Rural New Yorker is a paper  
that makes a specialty of uncovering  
and showing up frauds and misrep-  
resentation. From its pages one would  
suspect a lack of sympathy between the  
editorial department and the advertis-  
ing department of that publication,  
since some of its advertising is wide  
open to criticism. That is usually the  
way with ambitious reformers, very  
blind to their own faults at home, but  
very intolerant of the faults of others.

We did buy our farm through the  
Strout people. Their representatives  
showed us many farms and all of them  
more nearly as represented than many  
we looked at through other agencies.  
We have no fault to find with the  
treatment we received and we are very  
well pleased with the place we bought.  
Our recommendation of the firm con-  
sisted of expressing our satisfaction  
with our own purchase. Now we hold  
no brief for the E. A. Strout Co. and if  
they have done wrong in any way we  
have no desire to defend them. But it  
is just as well to be reasonable and a  
lot better than to be intemperate in a  
matter of condemnation. This firm is  
selling more farms to satisfied custom-  
ers in our locality than any ten other  
agencies. We don't know of a firm  
that would find us a customer for our  
own place more quickly than they  
would.

We don't like their regular contract



with parties who have a place for sale. We think a man would be foolish to sign one of those contracts without having certain alterations made to suit his own particular case. That is equally true of the majority of printed blank forms used in agreements, sales and transfers. Their agreement to sell, which the purchaser receives after making a deposit on the property bought, is one of the best we have ever seen.

In selling or buying real estate one meets all sorts and conditions of men. To be successful in the real estate business, particularly specializing in farm property, requires the patience of Job, the disposition of a seraph, and a bump of humor that can't atrophy. There is no class so fickle or so changeable of mind as the men and women who have farms of their own to sell. If one is to advertise such places and show them to customers, one must first have some ironclad contract with the owner in the matter of sale, price and commission. Every real estate contract we have ever seen contains clauses that are put in to protect the holder against certain emergencies. Many of them get the agency's commission taken care of both "coming and going," as our anonymous correspondent says. The agency has learned by experience that it must protect itself. Men are not in real estate, or any other business, merely for their health. They are out for the "dough" and they are not going to do business unless they make money.

Instead of raving about fraud, where there is room for plenty of doubt that any fraud exists, why not take a little time to educate people up to being careful about what they sign their name to. Make them learn that any legal or printed form of contract should be carefully read FIRST, then instruct them to make sure that they FULLY UNDERSTAND what they are signing; and to remember that there is plenty of time to sign any paper after being SATISFIED THAT IT IS ALL RIGHT.

Don't sign any contract until it is worded to suit you. Be sure you understand it fully. Reform is a good thing and in some (most) walks in life it is needed, but, like charity, it is a good thing to begin reform at home. Instead of spectacular shouting about others' faults it might be well to remedy a few of your own.

#### Permanent Home Turned Down.

Complete returns of the 1913 annual election of the American Poultry Association are given in another column. One of the surprises of the election was the result of the ballot on the permanent home proposition.

Although the ballot on permanent home, as finally presented to members, amounted only to an expression of the opinion of members as to the suitability of Chicago as the location for a permanent home and the sanction of the Chicago Poultry Society's offer, which would then be considered at the next annual meeting, it seemed reasonable to expect a unanimous or almost unanimous ballot in favor of the proposal.

The ballot as it stands on the returns was "No, 1046; Yes, 878." Evidently members either do not want a permanent home or headquarters, or they do not consider Chicago a suitable place for it.

The Chicago Poultry Society was organized solely for the purpose of se-

curing a permanent home for the American Poultry Association in Chicago. It enlisted the aid of the Chicago Association of Commerce in advancing the project, secured an option on a suitable building site, and offered at the Nashville meeting to give to the A. P. A. a building site and building having a valuation of \$100,000.

At that meeting it was assumed that many other cities would be eager to offer inducements for the A. P. A. to locate their permanent home with them and, assuming that it would be wise to wait for something better, the association turned a cold shoulder toward Chicago's gift offer. A permanent home committee was appointed to secure and investigate offers. On motion of Grant M. Curtis, amending previously proposed resolutions, it was finally voted to "take a mail vote on the location at the same time that we elect officers for 1913 and that this mail vote be presented at our next annual meeting, and that it be given all the weight to which it is entitled, but that it is not to determine the matter; that the matter itself shall be determined at the next annual convention of this Association by the members present and voting."

From the wording of the amended motion the mail vote on permanent home could have no weight other than as an expression of opinion on the part of members. The matter of a permanent home has yet to be acted upon and settled at the 38th annual meeting at Atlantic City next August "by the members present and voting." So far as can be learned to date, no city other than Chicago has made any overtures toward securing the permanent home of the A. P. A.

After being given the cold shoulder at Nashville on offering the Association a gift of \$100,000 and again\* being snubbed by the majority of the A. P. A. members in the mail ballot, it seems unlikely that the Chicago Poultry Society will feel much enthusiasm or take any further steps in the matter. The Association of Commerce, at the beginning enthusiastic and willing to back the Chicago Poultry Society to the limit on the permanent home proposition, naturally did not enthuse over the attitude of the A. P. A. at Nashville and finds still further good reason for "cold feet" as a result of the mail ballot and it now declines to make any definite promise as to what it will do, or will not do, until such time as the A. P. A. decides just what it wants and will do in the way of a permanent home.

It is poor policy to "look a gift horse in the mouth." The Association not only did this but it was not particularly polite to either the horse or the donor. It is reasonable to assume from developments that the American Poultry Association as a whole does not want a permanent home. Also that no city, other than Chicago, particularly desires to be honored by becoming the location of the permanent headquarters; at least there does not seem to be any pushing for place.

The time to accept a gift is when it is offered. The offer made at Nashville was bona fide and the Chicago Society stood ready to go ahead with the proposition and make it a credit to the city and the association. It is not easy to keep a matter of that kind alive and warm after two rebuffs such as the proposition has received. We do not know whether any further steps will be

taken in the matter by the Chicago Poultry Society or that there will be any effort to bring it before the Atlantic City convention. Having received a wallop on both cheeks we would not expect Chicago to ask for a third helping.

" 'Tis true 'tis pity;  
And pity 'tis 'tis true."

#### Reorganize From Within.

We recall during our student days a certain very capable and successful professor of surgery, who on every possible occasion drilled it into us youngsters that the healing of a wound should be from within outward and that in no case should we let one heal on the outside and retain unhealed tissues and venom within.

It is mighty good advice and can apply with force to other matters than surgery. During the past few months we have been several times invited to become identified with a movement that is intended to create an organization that is to be for American poultrymen what the American Poultry Association should be, but is not. In other words a great poultry organization is to be built up to take the place of the old A. P. A. and to be free from its faults. It is urged that the A. P. A. is in the hands of a few who use it for personal gain and that the members at large, individually, get little benefit from the association.

We are not prepared to join any such movement. We have but little time to give to any association work and such as we have, and such little as we can give, we prefer to put into the old American Poultry Association. We believe that all old members and all new ones will find that the best course. The right sort of work done in the A. P. A. will make it all that any poultry association can be and it has the advantage of being already organized in the nation and many states and on its roll carries the names of the most prominent men interested in the industry.

Whatever is wrong with the A. P. A. can be mended from within if the members will unite and work for it. If ring rules, and the ring rule is offensive to the majority, then get busy, organize a new machine among the dissatisfied members and put through a vigorous reform campaign. Let the healing be from within. Reorganize from within. With all the smoke about dissatisfaction, graft, ring rule, and using the association for personal gain, there must be some small smudge of fire (or perhaps a big one) at the bottom of it. If there is canker eating at the heart of the association, unite to cut the canker out and then heal the wound from within.

The old organization has done a great deal of good in its time; it can do still greater good. If it needs an "Ali Baba" to help out the "forty thieves," the way to find him is not to build a new organization on the outside. Get busy and reorganize from within.

Since writing the above we note an editorial of J. H. Robinson's in May Farm-Poultry recommending deliberate reorganization of the American Poultry Association from within and commending the hammering away at the faults of the present "misfit organization." Good! Robinson does not believe in a new organization, and in the matter of organizations and organization politics John is "some doctor." He says:





"The association should reorganize from within. Its membership at present includes practically all of the men who would be active in organization work, whatever form it might take. Why then should not these men combine within the association and reform it."

Sound sense and sound organization surgery that!

[Note.—As this goes to the printer A. P. A. election report has been received and it is to be hoped that the returns indicate that healing has already begun from within. The prognosis is favorable.—Ed.]

#### E. B. Thompson Is President-Elect.

Our congratulations are extended to the members of the American Poultry Association and to President-elect E. B. Thompson on his election to the highest office within the gift of his fellow members.

Mr. Thompson has won his presidency in the face of unusual and powerful opposition. We believe he has won it on sound personal merit and on the strength of the pledge he made to every member of the American Poultry Association in a personal letter. That pledge reads:

"If elected I will take office FREE FROM ANY PLEDGE OR PROMISE to any man or men, except the pledge I now make to you, viz.: To bring to the high and important office of president all the ability I have and to use

it for the benefit and best interests of every member and breeder in this great industry of the United States and Canada. My rulings and every official act on all questions coming before me will be fair and just to all, according to my best judgment.

"By my election to the presidency the poultry breeders will have a representative who knows their needs from an experience of over 30 years in the ranks, and who will work faithfully for the betterment of poultry conditions."

Mr. Thompson has been a member of the A. P. A. for 22 years. He has a world-wide reputation as one of America's leading successful breeders and he is also a successful business man with more than ordinary executive ability. With his lifelong experience as a breeder of poultry he should be in sympathy with all work that is for the best interests, welfare and prosperity of all poultry keepers. His opponents have urged that he has not the time to spare to devote all of the energy that will be needed in association work at this critical period and that in the past decade he has only attended two or three annual meetings. We cannot see that that matters much at this time. Mr. Thompson is best judge of how much time he can spare for association work. He has made his pledge to all members, is now the president-elect of the association and it is UP TO HIM TO MAKE GOOD.

He knows, as well as any member and better than most, that now is a

critical period in the development of the American Poultry Association. He knew that his election would call for the expenditure of much valuable time and the active doing of much hard work. We believe he fully appreciates the situation and what his election means to the association, to the poultry industry and to himself. We give him full credit for entering the campaign with his eyes wide open and prepared, if elected, to do his best.

We again congratulate Mr. Thompson and the American Poultry Association on the result of the election. Let us hope and believe that when the curtain rings down on the final act that our new president can say:

"I have fought a good fight, I have finished my course, I have kept the faith."

Atlantic City, August 10-16, 1913.

The 38th annual meeting of the American Poultry Association is to be held at Atlantic City August 10 to 16, 1913. One thousand one hundred and twelve voters gave "The Queen City by the Sea" as their choice of a meeting place. Let us hope that they will all attend the meeting and that the 1,558 voters who did not vote for it will forget their prejudices and join the others on the great "Board Walk" and in the convention hall.

Every member should make an effort to attend this meeting. Anyone who has never visited Atlantic City ought







to make the pilgrimage once. The second week in August is a good time to get down by the old Atlantic Ocean and learn what the wild waves are saying. There is only one Atlantic City and it is well worth a visit. Those who have been there will find reasons enough for going again.

Chairman Harry Wolsieffer, of the Atlantic City Publicity Bureau of the New Jersey Branch, promises a most enjoyable programme for the A. P. A. members during convention week.

Of course you will want to take a real live interest in the business of the convention, but there will be abundant time for play as well as opportunities for good work. There are to be trolley joy rides, chair rides on the Board Walk, a real seashore clam bake, a trip to the State Poultry Experiment Station and other good things to make it a memorable week.

Plan to spend the second week in August in Atlantic City. Sew a return ticket securely in your inside pocket and meet us on the Board Walk prepared for a good time.

The Second International Poultry Exposition on Young's Million Dollar Pier will be in full blast during convention week. It is to be more elaborate in every respect than the 1912 event and should be well worth seeing. Poultry Item says: "Many new people will catch the 'chicken fever' at the Million Dollar Pier and those who exhibit will have the first call on their patronage."

It's a "fever" good to have and hold. The more who have it the merrier. Meet us on the Board Walk!

#### BYERS STRAIN ORPINGTONS BETTER THAN EVER.

**IT IS THE PURPOSE** of the American Poultry Journal to chronicle reliable information relative to scientific and practical research along the line of fancy and utility poultry breeding for best results. Also to further the legitimate interests of its advertisers.

Occasionally we feel it our duty to make special mention of a breeder in whom we have for years had complete confidence and whom we are thoroughly justified in representing to our subscribers.

It is with unusual interest and pleasure that, in this connection, we mention C. S. Byers, Orpington specialist for 15 years, of Hazelrigg, Indiana.

There are those who spring up in the fancy that have their records to make in the show room, in successful mating and breeding their choice of varieties, in their facilities for serving customers right, in their efforts to please those who would be displeased were it not for a policy innately established in their character to thoroughly please every reasonable customer.

In the person of C. S. Byers we have these records fully incorporated and more. For fifteen years C. S. Byers has

successfully bred Orpingtons exclusively. He has won hundreds of premiums in the keenest competition and through his sales in stock has made it possible for the rank and file of Orpington breeders throughout the land to win, because every Orpington breeder throughout the land has bought, inspected or heard of "BYERS STRAIN ORPINGTONS," and it is our prediction and hope that he will be at your service for years to come. The day that his name is eliminated from the list of Orpington breeders, then it will be that the Orpington fancy will have lost one of its most valuable and staunch supporters, because it is principle with Mr. Byers once and for all ways, and in such men depends absolutely the popularity of any breed. As an example of the esteem in which members of the Orpington clubs hold Mr. Byers we would mention the fact that he has been repeatedly elected to office in the Buff, Black and White Orpington clubs of America without solicitation on his part in any instance.

Moreover, Mr. Byers, without soliciting the position, has been urged to place the awards on Orpingtons at the largest shows of our country. Although not in the judging business, he has sacrificed his time and business at his plant to officiate as judge of Orpingtons during the past year at Madison Square Garden, New York, and Los Angeles, Cal.

The fancy needs and demands more genuine fanciers such as Mr. Byers,





because he is an expert, and with his knowledge, his splendid facilities and his hundreds of strictly high grade, line bred Buff, Black and White Orpingtons, coupled with a determined purpose to please every reasonable customer, he deserves liberal patronage and success.

Whether you, as an Orpington breeder, have ever patronized Mr. Byers or not, you are indebted to him as a constant and permanent supporter of this great breed because it is such men as he who have maintained and will continue to maintain their popularity.

Our sentiments as above expressed regarding Mr. Byers and his business policy is respectfully extended to all lovers and prospective purchasers of Buff, Black or White Orpingtons with the guaranteed assurance that you will get a square deal.

The accompanying illustrations represent the approach to the Byers Orpington plant. Mr. Byers tells us he has over 2,000 chicks, many of which are January and February hatched, growing for fall fairs and early shows. Also that his matings this year exceeds the quality that made "Byers Strain Orpingtons" famous.

#### DR. WOOD'S NOTES AND COMMENTS.

It's all over now but the singing. Congratulations, President-elect Thompson! May you MAKE GOOD and help the American Poultry association to live up to its tenets: "Progress, Purify and Protection" in the field of "Every Poultry Interest." It's up to you!

\* \* \*

We are glad to see Secretary S. T. Campbell re-elected by a very handsome vote. It is a good rule when you

have a good man in the right place to keep him there. It looks as though members thought it a good rule to follow. Mr. Campbell has done good work in the past and now being richer in experience, we believe he will do much better work in the days to come. More power to your good right arm Mr. Secretary.

\* \* \*

Atlantic City gets the 38th annual meeting the second week in August. Something doing there every minute. Young's Million Dollar Pier, it is said, will be a great place for "chicken fever." Anyhow, the Board Walk will be a great place for "chickens." Oh, you poultry judges!

\* \* \*

Won't the Ancient and Honorable Order of Fleas be right in their element down by the sad sea waves? Be sure to take your bathing suit along and mind the undertow.

\* \* \*

We expect Reese V. Hicks will be happy next August when he lays down the presidential gavel and retires once more to "gentle" journalism. He has had a strenuous term of office and it has not been all roses. Never mind the thorns now that it will soon be over. Being president of a national organization gets more knocks than bouquets. Congratulations on your release, you lengthy Southerner, and may your good work receive full measure of appreciation.

\* \* \*

Attention has been called to the fact that if so many had not voted for Chicago and for Boston, which cities made no bid for the A. P. A. convention, that Detroit might easily have won it. Perhaps! But we do not recall any very strenuous efforts on the part of Detroit to get the meeting. The boosting was only half-hearted at best and it usually takes some real live effort to win. Personally we would rather go to Detroit than Atlantic City as we live close to the seashore, but we find a good deal of pleasure in anticipating a visit to the "Queen City by the Sea" at that.

\* \* \*

W. C. Cleckley, Augusta, Georgia, becomes first vice president of the A. P. A., being advanced from the second vice presidency. A. A. Peters, Denver, Colo., is elected second vice presi-

dent. He made many friends at the Denver convention. We haven't had the pleasure of meeting either of these gentlemen personally but we hope to do so this summer.

\* \* \*

There is no great change in the A. P. A. executive board. Grant M. Curtis is retired from office and his employee William C. Denny is elected to fill his place on the board by a very handsome vote. U. R. Fishel, of Hope, Indiana, and Chas. D. Cleveland, Eatontown, N. J., are re-elected board members.

\* \* \*

Glory be! But the ways of the modern newspaper "journalist," like those of the heathen Chinese, are peculiar. For months we have been regaled, ad nauseam, with egg wars to break an "egg trust" that never existed, with wars on dealers in deteriorated eggs, weird tales of bad eggs, rotten eggs, until the public was so nauseated that the thought of even fresh eggs for breakfast was repulsive and the shrinkage in demand and consumption cut egg prices way below a fair valuation for the season. Now, the sensation mongers have made a great discovery. Eggs are very desirable food. They contain lecithin, 16 grains to the egg, it is said. The discoverers find that lecithin is found in the tissues all over the body, but particularly in brain and nerve cells and they recommend an egg for breakfast as nature's best medicine, on the basis of there being sufficient lecithin in an egg to feed a man's nerve cells for one day. That is one way to try to create a greater demand for eggs after sickening the public with gruesome tales of bad eggs.

\* \* \*

How about the discovery? Like most Sunday supplement discoveries, it is not particularly new and dates back quite a while, about half a century or longer, if we are not mistaken. In any event, the details of preparation of lecithin from egg yolk, where it occurs in union with vitellin, are given in Hoppe-Seyler's medical chemistry published in 1867. The medicinal value of egg yolk and its value as brain, nerve, blood and tissue food has been known and made use of for a much longer period. Known, used and forgotten, to be rediscovered many times in all probability.

\* \* \*

Lecithin, formerly obtained from brain tissue and from egg yolk, is now almost exclusively obtained from egg yolk and is sometimes called ovollecithin. It is one of the complex nitrogenous fats and is a phosphorus containing constituent of brain substance. Lecithin occurs widely spread throughout the body tissues and is a conspicuous component of the brain, nerves, semen, yolk of eggs, and white blood corpuscles.

\* \* \*

In medicine it is used as a constructive tonic in a number of diseases resulting from disturbances of nutrition and has been found valuable in neurasthenia, nervous affections, tuberculosis, diabetes, etc. Just how far its medicinal values may be made use of when consumed in eggs taken as food is entirely problematical.

Nevertheless, without resorting to medical-chemistry to find an excuse for egg eating, eggs are mighty good food whether taken raw, plainly cooked, or in combination with other foods and

## The Dictograph Farm calls your attention

to Mr. Zimmer's article on page 912 May issue A. P. J. The "DICTOGRAPHIC HENS" are now only laying an egg a day but they do it regularly. We have some bargains in S. C. White Leghorns, and Silver Campines, also Indian Runner Ducks.

### RIDGE EGG FARM

K. M. Turner, Prop. West Nyack, N. Y.

## MARTIN'S RECALLS

### Half Price Egg Sale

After June 1st the prices of eggs from my prize matings (as they run) will be, \$2.50 per 15, \$4.50 per 30, \$6 per 45, \$12 per 100.

Dorcas pens, \$3 per 15, \$5.50 per 30, \$8 per 45, \$16 per 100. Special matings, \$5 per 15, \$9 per 30, \$12 per 45. Utility matings, \$3.50 per 50, \$6.50 per 100.

This is an excellent chance to become acquainted with America's finest White Wyandottes at small cost. All my winning pullets and some of winning cockerels at the last Boston Show were hatched in the month of June, 1912.

FREE—Send for catalogue and Summer sale list, giving description of several hundred breeders I am offering for sale.

Send four cents in stamps for a Regal White Wyandotte Book.

JOHN S. MARTIN  
BOX 51 :: PORT FORT WORTH, TEXAS



Crusader III, a Boston Winner



drinks. We know of no food that will give better results than fresh laid eggs sensibly fed to growing youngsters and the human animal of whatever age is generally much benefited by making use of a fairly liberal number of eggs in the regular diet. We have seen persons, who had been told that they could not eat eggs, y medical advisers and who firmly believed that each time they ate eggs, or food containing eggs, they paid dire penalties in illness. Several such have, from time to time, come under our observation and care and we are glad to be able to say that each and every one now eat eggs, have a healthy appetite for them and are greatly benefited thereby.

\* \* \*

There is no better article of nourishment for human beings than new laid eggs from properly fed hens. Such eggs are well worth fifty cents a dozen for table use in any locality where beef sells at 30 cents or more the pound, and pork and lamb at from 20 cents upwards. Eaten sensibly, prepared in the many attractive ways known to a good cook and not eaten to the surfeit of the individual, they will be productive of only good results.

\* \* \*

We recall a visit made once to a very active and hustling poultry keeper, a successful man who is all energy and push and whose activities must use up a very great amount of nerve force. We never had been accused of being at all backward as a trencherman, but breakfast is usually our lightest meal. At early breakfast with our host, after being helped to three beautifully cooked fried eggs, we protested that we really did not care for more. "Three eggs enough!" exclaimed our friend. "Why, Woods, I wouldn't dirty my plate for less than a dozen!" That beats us though we like eggs and seldom have more or less than two every morning for breakfast, whether the price is five cents each or less. Good eggs for breakfast help to start the day right and we'd be lost without them.

\* \* \*

We have a letter from John E. Zeller, treasurer of Wozelma Farms, which

states that the new plant in West Orange, N. J., has already picked up a good market business in eggs and poultry and is making money. The new plant is named Zelca Farm and the name Wozelma is to be abandoned.

\* \* \*

We have received from Cyphers Incubator company, Buffalo, N. Y., two attractive booklets entitled "Best Methods of Brooding" and "Poultry Foods and Feeding," also an unusually attractive assortment of literature advertising their specialties. The advertising manager is to be congratulated on his 1913 output.

\* \* \*

Our thanks are due to Thos. F. Rigg, Iowa Falls, Ia., for four apple trees, two Delicious, one Winesap and one McIntosh, sent to us for the Anchorage Farm. We set them out on April 30, and they look thrifty. Horticulture and poultry are Mr. Rigg's two pet hobbies and some day we hope we can visit his private horticultural experimental grounds.

\* \* \*

We received a letter from our friend Bob Essex, in April, too late for the May number, reporting a fire in the factory of the Robert Essex Incubator Co., Buffalo, N. Y. It started in the paint shop on the top floor and though the firemen did fine work in preventing spread of the fire, considerable damage was done by water. Coming in the midst of the busy season it interfered considerably with business. Mr. Essex however, assures us that the entire force is right on deck and that they are making every effort to fill all demands with promptness and to satisfy all patrons. We've known "Bob" a good many years and he sure is some hustler when it comes to surmounting obstacles and making good under difficulties. He insists on superior goods and superior service and when he goes after anything he usually gets it.

\* \* \*

In a newspaper dispatch dated Northampton, Mass., April 16, we find reported the arrest of Rev. Carl Emil Petersen, charged with using the mails to defraud and representing himself as

an expert poultry breeder and accepting sums of money for which it is alleged he gave no return. He was arrested at his home on Locust street by Deputy United States Marshal Edward J. Leyden, of Springfield, as a fugitive from justice. He was arraigned before U. S. Commissioner Rice in Springfield, and placed under \$1,000 bonds to appear in the U. S. District Court, Portland, Me. The arrest was the result of an investigation by Inspector Spofford of the Post Office Dept., now stationed at Portland. It is stated that many complaints have been received by the authorities, dating back to 1908, from people claiming to have mailed checks and money orders to the Rev. Petersen and to have received no reply.

We have no information on the case other than that contained in press reports, and at present writing have not learned what disposition the court has made of it. We know of the Rev. Mr. Petersen only through correspondence of several years ago and his published contributions in the leading poultry journals. For a number of years he was a contributor to a number of representative poultry magazines, A. P. J. among them, and received recognition as an able and fluent writer. He was well known in Ottawa, Canada, as a clergyman and poultry fancier and was pastored a church there. His last pastorate was named at Portland, Me. It is said that he advertised himself as president of the Houdan Association of Portland, Me., and that the members of the association indignantly deny that he ever held such office. He is reported to be 53 years old, a native of Denmark and to have been in this country since the age of 18 years. The direct complaint on which he was arrested is reported as made by W. H. Bassett, of Cheshire, Conn.

In The American Stock Keeper for May 10th is quoted the following letter from James Abernethy, president of the American Houdan Club, in regard to the arrest of the Rev. Mr. Petersen:

"I feel sorry for Petersen, although he has only himself to blame. He is a smart man in many ways, he had some fine Houdans at one time and a very

**U. R. FISHEL'S AD in this issue will interest you. Read it.**



Pen of Prize Winners

My display of 40 male birds was the attraction of the great Chicago Show, December 12 to 17, 1912

## RUDY'S PERFECTION WHITE WYANDOTTES

SUPERIOR TO OTHERS THE ACME OF PERFECTION

### Eggs for Hatching

Get the best you can for your money. Don't buy eggs from questionable stock. They may be somewhat cheaper, but the outcome of the hatch will look the part.

Rudy's Perfection Wyandottes are known all over the country as the peer of the Wyandotte.

Get my mating list—free for the asking—and see the reasonable prices at which you can buy eggs from the Grandest Matings obtainable.

If you want to know all about breeding White Wyandottes, send for my Art Catalog. Absolutely the best book of its kind. Gives full information on how to succeed, how to take care of baby chicks, what to do when your fowls are sick. An article on how to fit birds for the show room is worth dollars to any breeder. Send 10c in stamps to help pay cost of mailing, etc.

**Geo. H. Rudy, R. 15, Mattoon, Ill.**



fine connection, and with attention to the business and straight work could have done well, as he had the reputation. Lately, however, he seems to have gone back in more ways than one. Charges were filed and finally he was dropped from the club. It is really too bad that the Houdan fancy should be having so much trouble on account of such men and their methods of exploiting the breed, and also exploiting the buyers. I had a letter this morning from Mr. Bassett, of Cheshire, Conn. He does not say much about the matter, merely that he bought birds which according to Petersen's description were the finest. He does not say whether he got them or not. He says: 'The first Houdans I ever owned were from eggs bought of McAvoy. Dealings with him were very unsatisfactory, and I purchased a trio from Rev. Petersen in 1910 which formed the basis of my present flock. Somehow or other, as one of our local judges expressed it, the Houdan breeders are in bad on account of crooked dealings, and I have come to the conclusion that it is unsafe to attempt to do business with any but the regular members of the American Houdan Club. It is unfortunate to have a man like Petersen in trouble, as it casts discredit on the Houdan breeders in general.'

"That is how it works, dealing with the crooked gentry is apt to drive people out of the Houdan fancy."

"Sincerely yours,

"Jas. Abernethy."

Everybody who is anybody in the gardening world fully realizes the value of poultry manure as a fertilizing agent when applied to garden plots, and any

local gardener will be glad to fetch it away and give in exchange any vegetable trimmings or other garden produce that otherwise would probably go to the rubbish-heap. Such vegetable matter will be relished by the fowls, and will help to curtail feeding expenses.

### AMERICAN POULTRY ASSOCIATION.

#### Annual Election, A. D. 1913.

Results as shown by the report of the Election Commissioner:

President—E. B. Thompson, Amenia, N. Y.

First Vice-President—W. C. Cleckley, Augusta, Ga.

Second Vice-President—A. A. Peters, Denver, Colo.

Secretary—S. T. Campbell, Mansfield, Ohio.

Member of Executive Board—W. C. Denny, Buffalo, N. Y.

Member of Executive Board—U. R. Fishel, Hope, Ind.

Member of Executive Board—C. D. Cleveland, Eatontown, N. J.

Thirty-eighth Annual Meeting Place—Atlantic City, N. J.

Time of Holding Thirty-eighth Annual Meeting—August 10-16, 1913.

Total number of votes cast, 2,670.

#### Complete Returns.

President—

E. B. Thompson, Amenia, N. Y. 1,322

E. E. Richards, Cedar Rapids,

Iowa ..... 1,276

First Vice-President—

W. C. Cleckley, Augusta, Ga. .... 2,550

Second Vice-President—

A. A. Peters, Denver, Colo. .... 2,540

Secretary—

S. T. Campbell, Mansfield, Ohio. 2,225

John A. Murkin, Nashville, Tenn. 305

Members of Executive Board—

W. C. Denny, Buffalo, N. Y. .... 1,661

U. R. Fishel, Hope, Ind. .... 1,635

C. D. Cleveland, Eatontown,

N. J. .... 1,129

S. J. Hopper, Dallas, Texas. .... 948

Richard Oke, London, Ont. .... 831

J. M. Parker, Creston, Mont. .... 449

A. F. Kummer, Butler, Pa. .... 290

Robt. Seaman, Jericho, N. Y. .... 194

S. A. Merkley, Buffalo, N. Y. .... 180

Louis G. Heller, Bridgeton, N. J. 95

Time of Holding Thirty-eighth Annual Meeting—

August, 2d week, 10th to 16th. .... 1,293

September, 1st week, 1st to 6th. .... 447

August, 3d week, 17th to 23d. .... 335

August, 4th week, 24th to 30th. .... 167

Place of Holding Thirty-eighth Annual Meeting—

Atlantic City, N. J. .... 1,112

Detroit, Mich. .... 660

Chicago, Ill. .... 526

Buffalo, N. Y. .... 84

Boston, Mass. .... 74

Ballot on Permanent Home—

No, 1,046; yes, 878.

O. L. McCord,

Election Commissioner.

Danville, Ill., May 6, 1913.

—o—

When fowls are restless, and keep constantly picking among their feathers, look for lice.

—

When the hens are busy scratching, laying, and cackling, and the cocks almost continually crowing, you may feel sure you have a healthy flock.

# MAURICE F. DELANO

—SUCCESSOR TO—

## OWEN FARMS

### A WORD OF APPRECIATION

I want to thank my hundreds of friends and customers of Owen Farms throughout the country who have written me the nicest letters of congratulation I have ever seen, and who have pledged me their support and patronage. It has pleased and gratified me beyond measure to have their feeling of good-will towards me expressed in these hundreds of spontaneous letters, which have shown it in a way I shall never forget. The feeling expressed in these letters has been the deepest regret that Mr. Owen should feel obliged to withdraw from the business, but they have been a unit in declaring that, if this had to be, they are extremely glad to have me the owner of Owen Farms flocks. Many of these letters have been backed up by orders for stock or eggs or both and the support accorded me has exceeded my most sanguine expectations and given me very great encouragement.

### SPECIAL FOR JUNE

Two carefully mated pens in each of my varieties at each of the following prices: \$25.00, \$35.00, \$50.00, \$75.00, \$100.00 per pen. Select the price you wish to pay and send me the amount directly from this advertisement. I will send you a pen of birds headed by a line bred yearling descendant of a First Prize New York Male that I have carefully mated to four excellent one or two year old hens from our 1913 matings. You can choose age you want hens. The older ones will be a little better in average quality. The pen you order will be shipped you on approval, subject to return in two or three days at my expense if you are not absolutely satisfied that you have the best pen of birds ever sold at the price paid, and I will cheerfully refund the full purchase price.

#### SPECIAL JUNE EGG SALE

Less Than Half Price

40c each; \$17.50 per 50; \$30.00 per 100 from best pens in existence. \$2.50 per 15; \$15 per 100 from grand good matings.

Buff, Black and White Orpingtons, White Rocks, White Wyandottes and Single Comb Reds

Have nearly 7,000 youngsters coming on for Summer, Fall and Winter showing and for 1914 breeders. The most promising chicks I ever saw. Hence my extraordinarily low prices on June eggs.

Write me at once for January Chicks for Summer Shows

In September I will issue a complete illustrated catalogue. Until then copies of Owen Farms catalogue and mating list will be gladly mailed you.

Try the Delano way and receive Delano treatment and you will remain a permanent Delano customer.

Address, Maurice F. Delano

Maurice F. Delano, Prop.  
Frank H. Davey, Supt.

107 William St., Vineyard Haven, Mass.



## Orr's Chick Feed

The very best Chick Feed now on the market. Aids in preventing white diarrhoea; clean, sweet and safe; will not get sour or musty. Send for circular and price list.

Dr. Lincoln Orr : Orr's Mills, N. Y.

## White Orpingtons

Kellerstrass strain. Special sale of breeding hens. Prices reasonable. Eggs and chicks. Also Silver Campines and W. R. Ducks. ALICE RAWSON, BIG ROCK, ILL.



### RANGE-RAISED LAYING-LEGHORNS.

Acknowledged to be the supreme strain for vigor, productiveness and beauty—supreme layers of BIG white eggs: Acknowledged not only by Yesterlaid customers, but by fifteen state colleges and experiment stations that have bought Yesterlaid stock or eggs because of Yesterlaid superiority.

Yes, rald strain will make good for you on the nest and in the show room, just as it has for hundreds of Yesterlaid customers.

Eggs, Baby Chicks and 2,000 Breeders for sale during June. Write for prices and special new customer offer which includes free, a copy of POULTRYLOGY—the most scientific, simple and complete poultry book ever written.

Yesterlaid Egg Farms Co., Dept. 5, Pacific, Missouri

## JOE-PYE Orpingtons

THE fact that we won Display Special or greatest number of points this year at the three largest American shows—Madison Square Garden, Boston, Grand Central Palace, N. Y. proves conclusively that we can breed quality. Our free illustrated mating list gives information about our farm and breeding pens.

JOE-PYE ORPINGTON FARM  
HARRY STACEY BENTON, Owner  
R. F. D. 5, SO. NORWALK, CONN.

## PROFITABLE POINTS OF PARTRIDGE WYANDOTTES.

An Ideal "General Purpose" Fowl.

THE beginner and those who have become dissatisfied with the "boomed" varieties of chickens should give serious consideration to the Partridge Wyandotte. It has required years of intelligent effort to develop this interesting and profitable variety to its present state of perfection, combining as it does the four essential characteristics of the ideal fowl—namely, winter-laying ability, quick growth, hardiness, and size, and the man who once takes up their breeding will not easily be tempted to make a change.

As a "general purpose" fowl, no breed stands higher than the Partridge Wyandotte in the minds of those who have raised them, its admirers claiming that it is the ideal fowl for farmer, fancier and suburbanite, combining the best points of the egg and meat breeds to a remarkable degree. They are hardy, active, excellent foragers, and the hens make splendid mothers. They are good all-year layers, though they lay most of their eggs during the winter months, when prices are highest, making them a profitable fowl for the egg farmer. A prominent breeder of Partridge Wyandottes says he frequently has pullets laying at five months of age. On July 5th last year this breeder took off a hatch, among which were eighteen pullets. Four of these laid their first eggs on December 24th, and on January 12th he got sixteen eggs from the pen of eighteen. We must admit that this is a fine record, especially for late hatched pullets, and is conclusive evidence that it is unnecessary to hatch Partridge Wyandottes in February or March in order to have winter layers.

The young chicks are hardy and active from the time they are hatched. They are quick of growth, frequently weighing two and one-half pounds at ten weeks of age, and have a fine textured meat of unexcelled flavor.

The Partridge Wyandotte has a rose comb, which is another point in its favor, as the veriest amateur in poultry keeping knows that a hen with a frozen comb will not lay, and notwithstanding the care and attention given the high single-comb birds, there will always be a few that get nipped when the mercury goes down about zero, invariably stopping the eggs for a week or ten days.

In beauty of feather the Partridge Wyandotte stands without a rival, as in the gorgeous combination of rich cherry red and glossy greenish black of the males, and the exquisite penciling of black on rich mahogany of the females, they have no equal from the standpoint of beauty in any of the domestic fowls. For the suburbanite and city poultryman, they have the advantage of not showing the dirt. Light-colored birds cannot be kept in close confinement near a city without becoming dingy and dirty, detracting greatly from the beauty of the fowl, while the Partridge Wyandotte stands confinement as well or better than any of the American or Mediterranean breeds. They meet every requirement of the fancier, as they are always ready for the show room, if properly cared for, do not have to be washed, are of quiet disposition, and easily handled.

This is not and never has been a

"boom" breed, but has steadily increased in favor year by year as its merits have become better known, and it is well worth the time of any one interested in poultry for profit as well as pleasure to carefully investigate the Partridge Wyandotte.

C. H. Chaplin.

## Darling's Beef Scraps Are Best

Our book will tell you why. Write for it.

### Darling & Company

Dept. 2, Union Stock Yards, Chicago



Price \$10 and up

Reduce your feed bills; feed fresher balanced rations; save 25% the labor of mixing feeds—made possible only by using an Afton Farm Feed Mixer. It thoroughly blends dry and wet mash. Metal throughout. Write today for illustrated descriptive folder, tells how to save money by using an Afton Farm Mixer. Yardley Mfg. Co., Box D-51, Yardley, Penn.

## DAY-OLD CHICKS

Healthy, vigorous, from heavy laying stock. Guaranteed satisfactory. Place orders NOW. Hatching Eggs Breeding Stock S. C. W. Leghorns, White and Barred Rocks. All eggs and stock GUARANTEED. Write for big new catalog: "Tywacana Quality." It gives much information of value to poultrymen. IT'S FREE.

Tywacana Farms Poultry Co. POULTRY CO. A. E. Wright, Supt. Box 53 Farmingdale, Long Island, N. Y.

### Amatite Roofing

Mineral Surfaced Needs No Painting  
**BARRET MFG. CO.**  
NEW YORK - - - - - CHICAGO



Don't buy a show coop or in fact anything in the poultry line until you get my catalog and prices. Write Now.

Warner "The Coopman"  
Corner River and Race  
ALLEGAN, - MICHIGAN  
Trap-Nests, Chick Boxes, Lice Remover, Shipping Coops, etc.

## SUMMER HATCHED CHICKS

from the eggs picked out by the Magic Egg Tester are equal in every way to any of the very best hatched in the Spring. Hundreds of testimonials. Read our winter and spring ads in this Journal. Look for the hand that "Points the Way." Circular free. \$2.00 each. If not at your dealer, send to us.

Magic Egg Tester Works, Brayton 72, Buffalo, N. Y.



J. W. Park's  
Strain  
BRED-TO-LAY

Barred Plymouth Rocks.  
Eggs at reduced prices.

O. F. MITTENDORFF  
LINCOLN, - ILLINOIS

## CORNING EGG FARM

Helps people to make greater profits in poultry, saves money by telling experiences, so preventing poor purchases. One Year's Incubation and Rearing Means Success or Failure for the Following Two Years. Our large experience in incubators and brooders enables us to give facts which will prevent losing hundreds of dollars. Send two-cent stamp for PAMPHLET, FULL OF HANDSOME HALF-TONE ILLUSTRATIONS, describing The Corning Egg Farm, and giving incubator facts and experiences. Liberal sample celebrated Corning Farm Chick Food mailed for 4 cents.

CORNING EGG FARM, BOUND BROOK, N. J. Have you read the best Poultry Book ever published, the CORNING EGG FARM BOOK, price \$1, postpaid.



## NOTES FROM ENGLAND

CONDUCTED BY

MISS CAREY, TOYNTON RECTORY, SPILSBY, ENGLAND

### FORECASTS FOR THE SEASON.

**E**VERY YEAR brings its fashions in the poultry world very much as the fashions in dresses and hats come and go and return again, and already breeders are sorting out their enquiries and forming a pretty good estimate of where the heavy demand will be and seeing how they stand to meet the demand for the early shows.

Last year we heard a great deal of a so-called slump in White Orpingtons, but no doubt a very great deal of this was accounted for by a market overstocked with birds of inferior quality required by few, for among the leading breeders trade seemed to have been very slightly if any below the standard and with some even in excess of former years. That matters are rapidly righting themselves is evident on the surface, for already orders are being placed as usual for winners for the leading events among those keen to take a lead and who recognize that at the top of the ladder is always room and to spare in trade.

This season's chicks show great prom-

ise wherever I have seen them. Any tendency to leggyness seems to have almost entirely disappeared. Instead we are getting deep, low, wide, massive little bodies with thick, sturdy, short white legs in the Orpington and, well—it looks as if the judges are going to have to scratch their heads over sorting out the best, if the youngsters develop as they now promise.

Our season here has been exceptionally forward, with a large number of January chickens coming on well, but as our great Royal Show is in June we shall need every day to get them in the pink of exhibition form.

Bufs show no tendency to decline in trade and orders are brisk, especially for winners, both at early and late shows, and any yard with a reputation for securing awards with the birds they rear year after year will find these

one of the most profitable breeds of the season.

Among the new varieties Blue Orpingtons are going ahead rapidly. There seems to be, however, a great scarcity of well-bred birds of this breed, and breeders who want to make quick sales are looking round for yards where they can secure a few good bunches at reasonable prices. No doubt for a time the scarcity as compared with Whites and Bufs of really good colored and typed birds is bound to keep the prices up at a somewhat higher grade than in the other varieties, but it is worth while as the demand will certainly exceed the supply, so that every good bird can be placed without much difficulty.

The breed, however, that is jumping ahead by leaps and bounds is undoubtedly the Campine, and deservedly so. I have kept many breeds of birds but few that can keep up the steady flow of eggs on such a small outlay in food and housing. The chicks hatch eighty to ninety per cent without difficulty, and with half a chance develop rapid-

**U. R. FISHEL'S AD in this issue will interest you. Read it.**

# ORPINGTONS!

**BUFF : BLACK : WHITE**

**JUNE SALE at half price!** Never such bargains as we now offer. All eggs save farm flock at half price! A chance now to get genuine Empress Nabob Blacks—unequalled in all the world. Bufs that won championship of America. Whites out of great cock that as cockerel won championship of England and \$250 trophy. Never did we need room so sorely. You can get for \$12.50 now a bird you can't duplicate for \$37.50 at any other time. Nice breeders as low as \$3. In young stock we now have plenty of pound chicks, day-old chicks, young trios and pairs. NOW is the time to start and get Fall chicks from mature breeders or winners from our eggs or young chicks. Sale bulletin and catalog free. Write today.

**Cheviot Farms : Orpington Magazine, One Year, 10c : Route 2, Cincinnati, Ohio**

## WHITE ORPINGTONS

**Superb Type and Superior Quality**

### January and February Hatched Youngsters For Sale

Never have I had young chicks to prove more completely the claim made for them regarding type and quality than does my present young stock. It is indeed a remarkable line of cockerels and pullets hatched in Jan'y, Feb'y and March. As it is possible to detect any minor faults in birds after they are 8 weeks old, and to form a pretty fair idea as to how they are likely to develop, I have placed on sale about 600 of the most promising White Orpingtons ever produced. These will be ready for delivery in June—large, vigorous, massive birds raised on acres of blue grass sod.

**Order Stock at Bargain Prices**—Due to the fact that I must make room for younger stock, it will be necessary to dispose of a number of hens and cocks on the breaking up of my breeding pens the first of June. These, of course, must go at attractive prices; and here is an opportunity to get some foundation stock the stamina and vigor of which could only be arrived at through the wonderful blue grass range commanded by Russell Cave Poultry Yards as a branch of the renowned 8,000-acre Elmendorf Farm. Eggs at \$5, \$10 and \$20 a setting, and would urge all customers to place orders for same at as early a date as possible in order to get their choice of matings as the breeding pens will soon have to be broken. An extra fine lot of Duroc-Jersey young pigs for sale.

Russell Cave Poultry Farm

Elmendorf Stock Farm

Louis Lee Haggin, Prop.

R. 3, Box 1025, Lexington, Kentucky



ly. Alert, sprightly, hardy, prolific, they certainly are a great addition to any fancier's yard. As table birds, though small, they take the place of pheasants and have a flavor not unlike that of game, if hung.

Another breed must not be forgotten in the season's demands, and that is Faverolles, a breed that has so rapidly come to the front. More than a year ago I predicted that the day was not far distant when the White Faverolle would challenge the Orpington for a place in the front line and today the prediction is almost a fact. White Faverolles are very much talked about among the fancy today. Here in England they have a splendid following and the classes at many of the exhibitions make quite a showing. But a new departure made its debut in 'The Feathered World' this week in the form of Buff Faverolles, which I have been at work on for four years, and these

birds show promise of catching on from the start. The chicks are marvelous bodied birds of great width, depth and chunkiness, and as a table bird there will be nothing to touch them. They hold a record, too, in egg production that will keep the White Leghorns at work to spoil, for in one pen of seven birds not less than five eggs were collected daily from November to April, and we are still getting five and six a day, and the other pens run this one very closely. But the point they score so heavily over is "no broodiness." Last year in the White Faverolle yards there was only one broody, and so far none this season, and only one or two among the Buffs. This was the one weak spot in the Orpington fame, the fuss and trouble to be had with the broody hens in the spring and early summer.

With either the Buff or White Faverolle you get a layer none can touch,

a large, tender fleshed table bird equal in every way to the Orpington, and a bird that wastes none of its working days on a nest, but keeps at work supplying eggs. As exhibition stock they sell well and are very attractive in appearance. Certainly the display made at Madison Square Garden in 1911 by these birds, when the three blues were carried, started a career for the Buff and White Faverolles in America that will never die out. Both the Buffs and Whites may be found in the clean and in the feather-legged varieties, and it is hoped before long to see our clubs admit both varieties to the Standard, so that the public may take their choice in these points.

One up-to-date club has already been formed in America for clean-legged Whites. It will be interesting to watch the progress of these birds and to note which, the clean or feather-legged variety, wins supremacy in the long run.

# E. B. Thompson's Imperial "Ringlet" Barred Plymouth Rocks BARGAIN SALE FOR 1913



First Prize Cockerel and Champion Male and First Prize Pullet and Champion Female at Madison Square Garden, New York, 1913

Is the event in the Barred Plymouth Rocks; this sale stands out with a prominence that is clearly defined.

My special sale list is now ready for mailing and I offer the largest and finest assortment of Barred Rocks in all America at the most decisive price reductions and most emphatic bargains ever recorded.

## This Is America's Foremost Bargain Sale

And goes beyond anything ever before attempted in thoroughbred poultry. It is unprecedented. The resources of my "Ringlet" farm are unlimited and you can now secure Madison Square Garden, New York, winners and sons, brothers, sisters and daughters of New York winners, and birds of this richest New York prize winning blood at the decided bargain prices. Birds bought now at the prices in my special sale list will pay you splendid dividends.

## In This Special Sale List

Are listed the finest show birds, the finest breeders in single birds, pairs, trios and pens that I have ever offered in all my thirty-three years' career as a Barred Rock breeder, and at the rarest bargain prices. There are lots to meet the needs of all—the beginner who must begin right, the old breeder who will improve his stock, and the show man who wants to win in the strongest competition in the world. You will have the solid satisfaction of selection from the largest and richest New York prize winning stock and blood lines in America today—the selections are unbounded.

## The Imperial "Ringlets"

Are the proud product of more than a quarter of a century of Barred Rock breeding—they have the most fashionable barring and even blue color of the present day, they sell when no others will by reason of their matchless quality—no other strain holds so imperial a place in popular favor—their name leads all the rest. To meet success in winning prizes you must have my birds.

(See my ad on back cover page for the wonderful record of my "Ringlets" at last Winter's Madison Square Garden 1913 Show. This achievement takes rank in history as the most wonderful ever recorded since the New York show was founded.)

It will be to your interest to have this special sale list and take advantage of this opportunity to secure "Ringlets" at the cut down bargain prices. It is sound business judgment to buy what you want when offered for dollars less than it is worth, it is justice to yourself and economy. Whatever may be your wants in Barred Plymouth Rocks you will find it in my special sale list at bargain figures. The list will be mailed promptly upon request.

**EGGS** from the world's finest exhibition matings, \$10 per setting; four settings, \$35; 100 eggs, \$60. One-half these prices after June 10th. Elegant 70-page catalogue upon application. Address

SEE MY OTHER AD. ON  
BACK COVER PAGE

*E. B. Thompson*

Lock Box 510  
Amelia, New York





June the month of roses, sunshine  
and rest after the A. P. A. election.

Let every good and true member of  
the A. P. A. rejoice, and let every  
member be a good and true one.

"Let us see as we have seen—  
Where all paths are dewy-green,  
And all human-kind are kin—  
Let us be as we have been."

The election of Mr. E. B. Thompson  
as president of the American Poultry  
Association will have a far-reaching  
effect. It marks a new epoch in the  
life of the grand old association.

Under date of May 10th Mr. Thomp-  
son wrote us: "I am now president-  
elect of the whole American Poultry  
Association. It is my hope and will be  
my greatest desire to have perfect har-  
mony, for with the united membership

the best results can be had which will  
lead the association to do better  
things for the benefit of the whole  
poultry industry. I leave tonight for  
Mansfield, O., to consult with President  
Hicks and Secretary Campbell to make  
a complete analysis of the whole sub-  
ject and in a short time will be in a  
position to understand fully what is  
needed for the betterment of the poul-  
try and poultry breeders' condition."

The almost unanimous re-election of  
Secretary S. T. Campbell is a well de-  
served honor for that most capable  
official.

The new members of the executive  
board, Messrs. W. C. Denny, U. R.  
Fishel and Charles D. Cleveland, form  
a trio of unusual ability. Mr. Denny  
has been our neighbor and life-long  
friend, as a breeder, judge and writer;  
he has made his mark in the poultry  
world. In Mr. Fishel and Mr. Cleve-  
land we have two of this country's  
best known and most successful breed-  
ers and business men. They are three  
live ones.

The next annual meeting will be held  
at Atlantic City, N. J., August 10th to  
16th. It should be a record meeting  
down by the ocean breezes.

We had intended answering Little  
Tommy's squib in the R. P. J. and  
Uncle Link's inspired article in the  
Stock-keeper. But what's the use?  
The members have fully answered all  
with their ballots.

We have full confidence in every  
member of the association that they  
will support the new officers elected  
and give the best there is in them for  
the uplift and the general welfare of  
the poultry industry.

It is a long time since we have writ-  
ten anything about Rule 17, and we  
don't intend to write about what is  
absolutely dead now.

The Madison Square Garden New  
York Show will be held December 31,  
1913, to January 5, 1914. Mr. Charles  
D. Cleveland, Eatontown, N. J., secre-  
tary.

Eggs for hatching are reduced to  
half price now, and it is not too late  
to raise and mature winners for next  
winter's great shows or to improve  
your stock. Most breeders also are  
offering their breeders for sale at  
greatly reduced prices. This is the  
time to buy.

The American Barred Plymouth Rock  
Club committee, appointed to work  
with the A. P. A. committee for the  
revision of the Barred Rock Standard,  
is Messrs. E. B. Thompson, H. D. Riley  
(secretary), W. S. Russell, C. H.  
Welles, Haldie Nicholson, M. W. Bald-  
win, A. C. Hawkins, W. E. Bright,  
Victor Bradley, John Pringle and H. P.  
Schwab. Breeders are requested to

write Mr. Riley, giving their views.  
His address is Strafford, Pa.

The John L. Cost memorial is a  
worthy object. If ever a man deserved  
a monument it is Mr. Cost. Personally,  
we knew him for many years, but no  
one man knows half the good he has  
done. We hope Editor DeLancy will  
make a big success of his efforts and  
collect a fund that will insure a fit-  
ting memorial for this man by poultry-  
men.

The judges selected for the next  
great Hagerstown Fair are G. O.  
Brown, Chas. McClave, Wm. G. Minich,  
Richard Oke, W. B. Atherton, G. H.  
Burgott, J. H. Drevenstedt, J. C.  
Kriner, Hugh A. Rose, H. P. Schwab,  
Loring Brown, H. Hoke, A. J. Braun,  
C. E. Twombly, Geo. Ewald and G. B.  
Hort.

Onlya Farm, Florham Park, N. J.,  
White Wyandotte specialists, are now  
offering at a special sale a large share  
of their breeders at from \$2 to \$5 each.  
Here is the opportunity for many. Note  
our mention of this farm and stock  
in last issue. We feel that at these  
prices they are selling birds at less  
than one-quarter value.

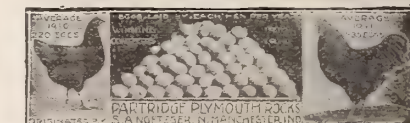
Men are very much like wine—age  
sours the bad and improves the good.

Interested in Buff Leghorns for the  
early shows. J. C. Punderford, Fre-  
neau, N. J., has the largest and best  
lot we have ever seen. They will be

W. Wyandottes



EIGHTEEN YEARS A BREEDER AND  
ADVERTISER IN THIS PAPER.



## Bargains for June

**Trios**—To make room for my 2,000  
youngsters I offer a few nice  
breeding trios at \$15.00, \$17.50, \$20.00 and  
\$25.00 per trio.

**Pens**—I will also sell a very few splendid  
breeding pens, consisting of one  
male and 4 yearling females at \$25.00, \$30.00,  
\$35.00 per pen.

**Eggs and Chicks**—Eggs from  
any of my  
matings will now be sold at 1/2 the regular  
price, or Baby Chicks for regular price of  
eggs. Send for free catalogue.

**My last big win** at Chicago, Dec.  
1912, where I won  
1, 2, 3 cockerel; 1, 3, 4 cock; 1 pullet; 4, 5 hen  
and 1 pen proves I have

The Best In The World

S. A. NOFTZGER

Box 38 :: North Manchester, Indiana

## Special Reduction

### Day-Old Chicks 2-3 Months Pullets

Our thousands of every-year cus-  
tomers know that our usual prices  
are right for the high quality we give.  
We want to prove this to you and  
now is your opportunity to get, at  
exceptionally low cost, chicks that  
will develop into real egg producers  
and sure prize winners.

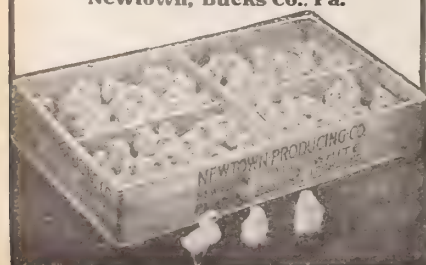
## Newtown S. C. White Leghorns

Large hatches come off each week,  
and thousands of day-old chicks  
will be shipped every Tuesday and  
Thursday during June.

This year there will be but a few  
thousand 2-, 3- and 4-months-old  
pullets for sale. Write us at once  
if you want any reserved.

Send now for poultry catalog Q and mating  
list and special offer for June. The catalog  
pictures the kind of birds you'll raise from  
Newtown chicks—birds that plainly show  
their great egg-laying type.

NEWTOWN PRODUCING CO.  
Newtown, Bucks Co., Pa.





in their prime in August. Remember this.

\* \* \*

The rains of April and the cold of May were not conducive to chicken raising. Better keep right on hatching for beef is going up daily.

\* \* \*

Now is the time to engage your art work. Catalogues, booklets and letter-heads of class are business getters. Arrange now for something new by writing to our art department.

\* \* \*

Mr. Wm. Barry Owen takes with him into retirement the regret of all who know him. His years of work in the poultry business made him thousands upon thousands of friends the world over and the industry has been greatly benefited by his having been connected with it. We wish him the rest he so well deserves—long life and all possible happiness.

\* \* \*

His successor, Mr. M. F. Delano, is one of our oldest poultry friends, a man of sterling qualities and a breeder and fancier of highest merit. His work for many years has been a prominent factor in Owen Farms success. Poultry has been his life work, and he well deserves every confidence the breeders can give him. Mr. Frank H. Davey is the superintendent. He has been connected with these farms for years and as a breeder and judge is favorably known.

\* \* \*

Strange isn't it—but every once in while something happens.

\* \* \*

The Baltimore show dates are January 5 to 10, 1914. Mr. Geo. O. Brown, No. 2027 East North avenue, is the secretary. Baltimore has the finest show hall in the country and they put up a beauty show every time.

\* \* \*

It don't cost the world to go into the chicken business, and the one who goes into it in a one-man way at first and learns it thoroughly is sure to be well satisfied with his investment.

\* \* \*

It is foolish at this time to attempt to make any radical changes in the Barred Rock Standard. The work of 30 or more years is just beginning to tell, and if let alone, as it should be, for a few years more its benefits will be appreciated by all. We will try and give our views fully in our July issue.

\* \* \*

Johnnie—"Mamma, our governess can see in the dark."

Mamma—"How do you know that?"

Johnnie—"Last night, out in the hall, I heard her tell papa that he hadn't shaved."

\* \* \*

The Panama Exposition at San Francisco in 1915 promises to arrange for and hold the largest poultry exhibit ever held. The men in charge are competent and even at this early date are busy. There the great East and the great West will meet. Being appointed one of the commissioners, my particular interest will be to have our eastern breeders attend and exhibit there. The East will make a showing that will be to its credit.

\* \* \*

President R. V. Hicks and President-elect E. B. Thompson, on their way East after their meeting at Secretary Campbell's home at Mansfield, O.,



**THE DE GRAFF FARM**

**THE FINEST POULTRY CATALOGUE EVER PUBLISHED**

**THE LEADING R.I. RED SPECIALIST OF AMERICA**

**AMSTERDAM NY**

**STOCK & EGGS FOR SALE**

**S. C. & R. C. RHODE ISLAND REDS**

**PLEASE SEND FOR MY CATALOGUE**

**HALF PRICE ON ALL EGGS AFTER JUNE 1**

## ◆ SINGLE COMB REDS ◆

My birds win year after year because they have years of careful line breeding back of them, and because I know how to mate them to produce winners. My record of all five firsts and all specials at Chicago is the greatest win ever made on Reds. Eggs half price now. B. H. Scranton, Box 350, Rising Sun, Ind.

## Riley's Barred Plymouth Rocks

There is still time to hatch a winner for next season or to raise some fine stock for your breeding pens. Eggs are at half price now. I have some very promising youngsters growing, and am fully confident I can furnish you a winner for any show. Just keep me in mind when you need a winner.

**Henry D. Riley, Box B, Strafford, Chester Co., Pa.**

## "O.K." Poultry Litter

TRADE MARK

Cheaper and much better than straw, clover, alfalfa, sawdust, shavings or anything else ever thought of for litter.

**"O. K." Keeps the Brooder Clean, Dry and Sweet without Once Cleaning Out**

One lot of "O. K." Litter lasts until the chicks have outgrown the brooder. In coops, laying houses, colony houses and scratching pens "O. K." Litter dries up the droppings so that the house is always dry, clean, sweet-smelling and sanitary, and needs cleaning out only once in four or five months. A tremendous saver of time and money.

**WRITE TO-DAY FOR FREE SAMPLE**

"O. K." Litter will not burn. Lice will not come where it is used. Tell us how many hens and chicks you keep—we will tell you how much "O. K." Litter you need. Write New York for free sample and printed matter.

**O. K. COMPANY, Dept. 173, 157 Water Street, New York City**  
Direct shipments also from Chicago and New Orleans.

## EGGS FROM PRIZE WINNING TABASCO REDS

**At Bargain Prices**

Old Acres is the acknowledged headquarters for the finest Single Comb Rhode Island Red males. Our record at Madison Square Garden and Boston shows for the last three years proves it. To introduce our Tabasco Reds to you we offer the following bargains: Eggs from pens 1 to 7 at \$15.00 per setting. Eggs from pens 8 to 13 at \$10.00 per setting. These pens are all headed by Madison Square Garden and Boston winners. Eggs from pens 14 to 17 at \$3.00 per setting. These are carefully mated pens, all related to our prize winners. Eggs from pens 18 and 19 are \$2.00 per setting, \$7.50 per 100. These are high class utility matings, (dark red and heavy layers.)

**This Is an Unusual Opportunity ◆ Do Not Miss It**

**Old Acres, Wm. G. Stephens, Mgr., Foxboro, Massachusetts**



stopped off at Buffalo to visit Mr. Robert Essex, president of the New York State Branch. We also had the pleasure of entertaining these two officials at our home. Mr. Hicks fully convinced us that Shakespeare did his own writing, for he is an authority on that subject. Mr. Thompson is full of enthusiasm over A. P. A. matters. He said: "The members have placed a great responsibility upon me, and everything that a man can do I will do

for the welfare of the association and the general poultry industry." That has the right ring to it and I believe Mr. Thompson will do his level best; he has never been known to do anything by halves.

The New Jersey wedding bells will ring early this fall. Final.

The association's real success is up to the members, so let us all take off

our coats and work, work for all there is in us.

Mr. Chas. H. Welles tells us in a letter that he has about a hundred choice breeding females and a few very fine males in pullet bred Barred Rocks to spare. Everybody knows this line. There is none better.

Those who have used "French's Poultry Mustard" find that it is all that is claimed for it. Be sure to ask for "French's." It's the original, the pure and the reliable kind.

We want in particular to commend the position taken in the late campaign by J. H. Drevenstedt. He is far-sighted and generous by nature and his handling of all affairs is that of a master.

When we think of Drev we are always reminded how much we still miss the good old American fancier of weekly fame and his page of editorials. There has been nothing just like it since.

The breeders report that egg orders are coming better this May than ever before. This is as it should be for birds hatched up to the end of June can be matured if kept growing. Late hatched birds are always the richest and best in color. The big Barred Rock breeders hatch into August and usually those birds make the winning cocks and hens the year after. Try this.

Mr. John W. Ward, Jr., Pennington, N. J., is arranging for a trip to England about the last of July to purchase a large line of Dark Cornish fowls for himself and for several other breeders. Mr. Ward has made a study of this variety and is one of their best known breeders, having won highest honors the past season at several of our best shows. He will buy birds while there for all those wishing some. Write him. H. P. S.

#### A SPLENDID OPENING.

The Editor of the American Poultry Journal is in position to aid a competent and reliable poultryman secure a position as manager of an Indiana poultry farm that is up-to-date in every sense of the word. The applicant must have a thorough knowledge of White Leghorns, as the owner of the plant wishes to exhibit extensively. At the present time he has an established egg-trade paying him a high premium.

There are now 1,200 to 1,500 birds on the plant. In addition to an equitable compensation, the right man would be given an interest in the net profits after he has demonstrated his worth.

The owner is a man who is interested in poultry from a fancier's standpoint, but, at the same time, wishes his plant to be self-supporting. He has the means to install any new device that is of real benefit, and he has not hesitated to buy some of the best birds in the country.

Any poultryman who desires a good position and can furnish the necessary reference, is invited to write The Editor, stating his age, experience, whether married or not, and the compensation he would expect. Here is a good opening for the right man.



## Keeler White Wyandottes

The perfection of poultry breeding for beauty and utility. Line bred and pedigree bred for the past twenty years. Winners at Chicago, St. Louis, Washington, D. C., New Orleans, Dallas, Tex., Los Angeles, etc. **Stock Bargains**—Summer sale of breeders at bargain prices during June, July and August. Send for special sales list describing these bargains, it's free. 500 January, February and March hatched young stock that will be ready for the Fall fairs and early Winter shows. Show Birds—1,500 April and May chicks for the Winter shows. Birds washed, conditioned and shipped direct to any show room without extra charge. Sixty-page art catalogue of America's finest White Wyandottes free, send for it (stamps appreciated.)

Chas. V. Keeler, R. 11, Winamac, Indiana



Your Choice of  
10,000

Ferris Leghorns



## 30% Less Than Actual Value

We raised 10,000 Improved White Leghorns this spring and you can get your pick of thousands of February and March hatched cockerels and pullets at 30% less than regular prices. These birds show splendid development, and they have the low, well spread tails, good heads, with white earlobes and smooth, evenly serrated combs; typical shape in all sections, with long backs and full breasts, and snow white plumage that you must have in order to win. We have been breeding winners for the largest shows for many years. We can furnish you with stock that we will guarantee to win at any fair or show where you want to exhibit. Ferris Leghorns are trapnested and will lay 175 or more eggs a year. We have been breeding them for egg production for more than 12 years. We ship on approval and insure all birds for 30 days. If they get out of condition we stand the loss. *Utility cockerels from \$2.00 up, pullets and hens from \$1.75 up.* We have a number of very choice breeding birds to spare that we have used in our best matings. Write us for further particulars; we will be glad to tell you just what we have. The summer prices make it worth your while to buy now even if you do not need the stock until winter. Males that will then cost you \$10.00 cost only \$7.00 now; the \$15.00 exhibition birds only \$10.50.

## We Can Ship Eggs And Chicks At Once On Receipt Of Order

There is still time to hatch chicks if you can give them good care. Chicks \$5.00 for 25; \$16.00 per 100 in June, \$4.00 for 25; \$12.00 per 100 after July 1st. Eggs, \$1.35 a setting; \$6.00 per 100 in June; \$1.20 a setting, \$5.00 per 100 in July. Safe arrival of chicks and fertility of eggs guaranteed. The above prices are for utility chicks and eggs. See catalog and mating list for prices of trapnested eggs and chicks, also the exhibition pens.

### Our Mammoth 132 Page Catalog is Free

It contains a lot of valuable information and will tell you all about White Leghorns and why they are best. Just write a postal today and let us send it and quote prices. Breed Ferris Leghorns and you will have eggs all next winter and can win wherever you want to exhibit. Take advantage of this summer sale and it will cost you very little to get a splendid start.

**GEO. B. FERRIS—The Ferris Leghorn Farm**

905 Union Avenue, Grand Rapids, Michigan



## NOTES FROM THE DIARY OF A CHICK.

By "Generosity."

(Editor's Note—"Generosity" is a Partridge Plymouth Rock male bird, bred and owned by S. A. Nofztger, North Manchester, Ind.)

## Synopsis.

This, the second chapter of a unique story that tells the important and daily events in the life of the "Beauty Breed," the Partridge Plymouth Rock, will be welcomed by many of our readers who remember the first chapter published by us about one year ago.

"Generosity," or "our hero," if you will pardon a time worn novel phrase, is the name of a Partridge Rock male product by Mr. S. A. Nofztger, the originator of this popular variety, of North Manchester, Ind.

The story tells of "Generosity," one of about forty little "chocolates" hatched at Oaklyn Place several years ago. He, with the rest of the small happy family, were carefully brooded and reared to maturity. Later some were taken to poultry exhibitions and the balance were sold and shipped away. To the relief of our chick hero his owner announced that he was to be reserved for breeding use, as he was produced from a special mating. At last he was taken to a long house and placed at the head of the best mating on Oaklyn Place.

That season he sired "Prise," a cockerel that won first at a leading show, and others that won later, thus assuring him a good home the balance of his life, which, from this chapter, it would seem he has greatly enjoyed.

IT has been some time since I told you of experiences at Oaklyn Place, but not because I have failed to think of you or had nothing to tell. The truth is there is always so much going on here that it is difficult to get a day into twenty-four hours.

My! what a difference in just a few years. Why, three or four years ago there were a few hundred Partridge Rocks here and an occasional visitor, but today everything is alive with "Brownies," old and young, and there is never a day but that some one comes to see us and the place where our variety was originated.

As spring approaches and out in the sunshine I see, running over green lawns, the little brown balls of down that a few short weeks since were eggs, many thoughts come to me—some of the past, others of the present and more of the future.

I remember the time when we first began to be recognized as a coming fowl and to be the attraction of the show wherever exhibited. My breast swells with pride when I recall first being mentioned as "father of the breed" or when the news reached us that our representatives had won the laying contest against all others.

But the bright light of these early deeds is somewhat dimmed by later achievements. Another pen of ours has defeated all others in a subsequent laying contest, establishing a record higher than the previous one. Fowls of our variety have won high honors in show rooms against all other breeds and other wonderfully creditable records in breeding pens have succeeded in getting Partridge Rocks styled the "Beauty Breed."

Will these little fluffy balls, which are now romping over the grass, grow into prize winners sufficient to bring to their proud owners the diplomas of the American Poultry Association, as their ancestors and relatives have done, or honor our breed by winning additional laying contests? Will they, too, be the attractions of future poultry shows?

But why this conjecture? It would, no doubt, be more interesting to readers to tell now of accomplishments and to

relate incidents of our lives, rather than to speculate on the future—to tell some of our experiences here at Oaklyn Place that would be beneficial to others in preference to prophesying great things to come.

Of greatest interest to me are the numerous conversations of the visitors here; in fact, we learn much by simply listening at Oaklyn Place. But there

are so many people with different views on subjects pertaining to poultry and particularly to the new variety to which I belong—Partridge Plymouth Rocks—that really it is often confusing to me.

What if I should tell some of the things that Mr. Nofztger don't want told? But I heard him say, just a few days ago, that there were no secrets at Oaklyn Place, so if he complains at

## S. C. BUFF AND WHITE ORPINGTONS, S. C. BUFF AND WHITE LEGHORNS AND BUFF ORPINGTON DUCKS

Stock and hatching eggs from our New York, Baltimore, Philadelphia and Allentown winners. Send for catalogue. Mention American Poultry Journal. : Dunrobin Farm, Box 177, Red Bank, N. J.


## Rich's Rose Comb Reds

Bargains in eggs, baby chicks and breeding stock. Drop me a postal for my 1913 mating list and large illustrated catalogue. It's free to A. P. J. readers. : D. W. Rich, 513 Vine Street, Mt. Pleasant, Iowa


## ZIMMERMAN'S R. C. REDS

Won at Cleveland January 20 to 25, 1913, 2-3 pullet, in the largest class ever exhibited at Cleveland. A limited number of settings to spare. Book early.

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**MY WHITE PLYMOUTH ROCKS**  
 WRITE FOR ILLUSTRATED PRICE LIST  
**W. J. BRINKLEY, Iuka, Miss.**



## 800 "MISSOURI" \$1 WHITE LEGHORN BREEDERS \$1

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Philadelphia, Cleveland and Pittsburgh Champions. A few settings at half price after June 1st. 1913. Send for free catalogue. Young stock for sale.

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Trap-Nested — Pedigreed — "Standard Bred" — Line Bred  
Choice winnings at Springfield and Decatur, Ill.,  
1913, and Ill. State Fair, 1912, including 6 firsts, 6  
seconds and 9 specials. Eggs, remainder of season  
per 50, \$3; per 100, \$5. A few hens at \$ each. Illus-  
trated catalogue free. **T. A. Engle, Latham, Ill.**

## ORPINGTONS

Eggs for setting. Four pens S. C. Buff Orpingtons, utility and show. Are hatching strong and 75% in Feb. One pen S. C. White Orpingtons, Pheasants and White Embden geese. Send for circular.

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Write for free advice, also send 4 cents in stamps for copy of Conkey's Poultry Book, 80 pages. Address

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I have mated 5 grand pens to produce winners for next season shows, as they have for the past 23 years. If you want winners, get a setting of Anthracite eggs. Send for egg circular.

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Most beautiful of them all. Business and beauty combined. Eggs for hatching. Best winter layers

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## Buff Wyandottes

Exclusively—Young and yearlings.

Good ones for sale.

**O. A. Browne VanWie and Logan Sts. Rockford, Ill.**

anything I say he will get reminded of this in short order.

Lately we have heard so much discussion of color that, actually, I sometimes wonder which is the correct part-ridge shade. This applies to both male and female. It seems that the greater number who come here are especially anxious to learn just what the true color is.

Some time ago a nice looking gentleman—from appearance he might have been a professional man, a banker or a manufacturer—came here and announced that he wished to buy some show hens. He stated that he desired the very darkest he could get and as he went along looking the females over it seemed almost impossible for him to find them dark enough.

We all had a good laugh for just a few days before an equally fine appearing man, who talked with a decided "yankee" accent, had spent much time in selecting fowl that were the very opposite in color and it seemed that about every fowl here was too dark for him. Of course, when some wish them quite dark and others equally light, this enables my kinfolk to find good homes when otherwise the poor fellows must go to market.

(To be continued next month)



## WHITE Orpingtons

Eggs from all pens at 1/2 price now. Some excellent breeders for sale at prices you cannot pass by. This stock bred from Chicago winners of the past 3 years.

**DR. GUY BLENCOE  
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Did you read about the great American Poultry Journal Year Book on page 944?

## Golden Wyandottes

At the great and noted Boston Show Jan. 1913. I won on Golden 1st display; 1, 2 and 4 cock; 1, 4, 5, and 6 hen; 1, 4, 5, and 6 cockerels; 1 and 5 pullet; 2 pen and a lot of specials. I have a fancy lot of stock for sale, but no eggs this season. Please mention A. P. J.

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A \$10,000 S. C. White Leghorn Farm in Missouri—We have 3,000 birds and will sell eggs for hatching at \$1 for 15, \$3 for 50, \$5 for 100. Will send by parcel post or by express. If by parcel post add one cent extra per egg to cover postage. Free circular. Address

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Let us start you right with squab breeders. Large, strong, healthy Homers are the best for this. We find ourselves overstocked this spring and in order to make room will sell 500 pair in quantity to suit at \$1.00 per pair and up according to quality. Order quick.

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27 years breeding these large strains. No better strains in the world.

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One application of Licene kills every louse and "nit" on your birds and they will keep free from lice for six months.

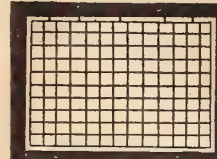
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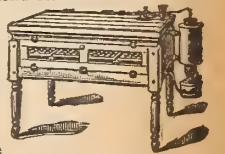
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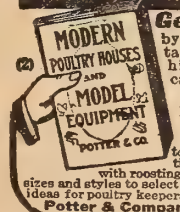


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That have been individually pedigreed and of exceptional vigor; color and shape only are used by us as breeders. Our famous CRYSTAL STRAIN—EASTERN CHAMPIONS—have been line bred years for heaviest egg production, without sacrificing their superior standard qualities. Catalog FREE upon request. SPECIAL SALE OF SPLENDID BREEDERS. Get our prices for your wants.

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**U. R. FISHEL'S AD in this issue will interest you. Read it.****DE VOSS' COLUMBIAN PLYMOUTH ROCKS**

Winners Memphis, Tenn.; Boston, Mass.; Pittsburg and Cleveland. Eggs from best exhibition matings, \$5.00 per 15. Utility matings, \$3.00 per 15. Express charges prepaid to any express office in the United States. Circular free.

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All my breeding stock are high class, bred to lay stock, reared on free range in open front houses. Every variety is carefully mated and true to name. I sell "quality chicks" at the same price you pay for ordinary stock from the following varieties: Leghorns, Single Comb White and Brown; Rhode Island Reds, Single and Rose Comb; Plymouth Rocks, Barred, White and Buff; Silver Spangled Hamburgs; English Indian Runner Ducks.

Baby chicks for Spring delivery, \$15 per 100. Eggs from above varieties, \$2 per 15, \$10 per 100. We can ship immediately. A deposit amounting to 25 per cent of order required on either eggs or stock. Better place your order today.

**SIDNEY B. SPINKS, Prop. :: Geneva, Kane County, Illinois**



## \$190.00 Worth of White Orpingtons Given Away

Here is an Opportunity to Get Some of the Best Blood in the Country Without Cost

**M**R. LOUIS LEE HAGGIN, proprietor of Russell Cave Poultry Farm, Lexington, Ky., will offer as premiums to subscribers of American Poultry Journal a \$100.00 breeding pen, a \$50.00 trio and \$40.00 worth of eggs to those who can write the three best articles on "Ten Reasons Why the White Orpington is the Best Utility Fowl."

The prizes to be awarded as follows:

To the subscriber of American Poultry Journal who writes the best article on above subject and forwards same to American Poultry Journal before August 1, 1913, will be awarded a \$100.00 breeding pen of Single Comb White Orpingtons, direct from the yards of Louis Lee Haggin, the great White Orpington specialist. To the one sending in the second best article will be awarded a \$50.00 trio of Single Comb

White Orpingtons, direct from Mr. Haggin's yards and to the one sending in the third best article will be awarded \$40.00 worth of eggs from Mr. Haggin's best matings.

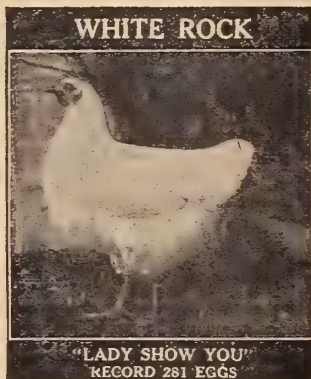
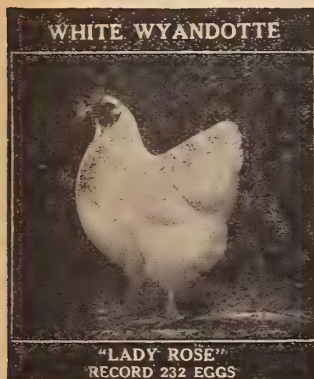
All articles to be sent to American Poultry Journal on or before August 1, 1913. This contest is open to subscribers of American Poultry Journal only.

We know there are a large number of our subscribers who are interested in this variety of fowl who are capable writers and can readily advance ten reasons why the Single Comb White Orpington is the Best Utility Fowl.

All articles must be in our hands by August 1, 1913. This gives our subscribers practically two months in which to prepare these articles.

Awards will be made by a committee of three, to be selected at a later date.

## M.F. & H. 200 EGG STRAINS M.F. & H.



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From Trapnested Stock with Record of 200 Eggs or Better, 30c Each

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From the Same Blood Lines as Trapnested Stock, 10c Each

If you desire the best stock for egg production, it will be entirely to your interest to rely solely upon the strain, and not the breed. There are good layers and poor layers in every breed, and up to the present time the poor layers are in the majority. Our specialty is "Egg Production," and it is for this reason only that we considered "Lady Show You" worth the price we paid for her, which was \$800. We purchased other birds as well, but at no time did we purchase a bird whose best qualities were not egg production.

There are many breeders of the varieties we have, making extravagant claims concerning the egg producing qualities of their stock. There are practically none of these breeders breeding for egg production. There is but one way to breed for egg production, and that is by the continual use of the trapnest. We are now trapnesting over eight hundred birds. The only certain income that can be derived from the poultry business is eggs. You should therefore make this your objective point. There are ninety million people in this country to sell eggs to, in comparison to a mere handful who desire feathers.

We are prepared to ship your order of eggs immediately. Write for 48-page instructive catalog.

Midlothian Farms & Hatchery John G. Poorman R. 5, Tinley Park, Illinois  
Manager



Announcement of the winners will be made and first prize article published in the September issue of American Poultry Journal.

The articles must contain at least 600 words and not over 1,200. All articles must be written on one side of the paper only.

We reserve the right to retain all articles sent in for competition and publish them if we so desire, whether they win a prize or not.

This is certainly a grand opportunity for subscribers of American Poultry Journal to get a start with some of the best White Orpington blood in the country.

In making this liberal offer to our subscribers Mr. Haggin has only one object in view, and that is to create a greater interest in White Orpingtons

and to impress upon the people of this country the good qualities of this truly great variety of fowl.

#### "DREV." TO VISIT ENGLAND.

The interchange of visits between British and American fanciers goes on merrily, and we are pleased to learn that next year, if all goes well, we are to have the pleasure of welcoming Mr. J. H. Drevenstedt, who proposes to visit the Dairy and Palace. "Drev." is one of the most interesting and popular personalities in the American Fancy. He is associated with Mr. Grant M. Curtis in the editorial control of the "American Poultry World," he has judged in every corner of the United States and Canada, and he is the editor of some of those admirable breed books that are

so well known in England. At present he is working on a new library series of variety books, of which the White Wyandotte will provide the material for the first volume, and provided he can get through his engagements in time he hopes to spend a couple of months with us next fall. No one will be more heartily welcome on this side. Mr. Drevenstedt's reputation has preceded him, and we are sure fanciers will do their best to give him a pleasant time. —English Exchange.

The fancier of experience bases his matings upon the result of the breeding operations in former seasons, for which purpose he keeps a strict pedigree of his stock, and can tell in a few moments how each chicken is bred, and what every old bird has produced.

## M.F. & H. 200 EGG STRAINS M.F. & H.

BARRED ROCK



"LADY VERA"  
RECORD 235 EGGS

BUFF ORPINGTON



"LADY MAY"  
RECORD 219 EGGS

R. C. R. I. RED



"LADY HATTIE"  
RECORD 255 EGGS

S. C. R. I. RED



"LADY AGNES"  
RECORD 236 EGGS

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From Trapnested Stock with Records of 144 to 199 Eggs, 35c Each

From the Same Blood Lines as Trapnested Stock, 20c Each

What applies to hatching eggs; also applies to baby chicks. The baby chick season is now at its height; and we are making prompt shipments to our customers throughout the country. You will save time by ordering direct from this advertisement, either by letter or telegram. You may telegraph us your order, and remit by mail. We will book your order received by telegram, and be prepared to make shipment upon receipt of your letter.

If you are to build up a profitable poultry business; it will never be accomplished by purchasing baby chicks from stock promiscuously bred. We are shipping repeat orders to very many of our customers. Our chicks are strong and active, and are the kind that will grow and give satisfaction. For this our customers will vouch.

If you are in need of new blood, we can not only supply your requirements, but can give you the blood lines that will greatly improve the laying qualities of your flock. A successful start, with good layers, will always result profitably. We have made this start possible for you. Kindly write for our forty-eight-page catalogue which describes the most profitable egg producing farm in the world. Please mention American Poultry Journal.

Midlothian Farms & Hatchery John G. Poorman R. 5, Tinley Park, Illinois  
Manager



## OLLE'S ROCKS

White and Partridge—Chicago Winners. Remember our Chicago winners in strong competition with the Owen Farm, placed in every class. That means quality. Some fine bargains in White and Partridge Rocks and Golden Wyandottes. Don't miss it. Send 3 red stamps for our new illustrated catalogue and price list of our grand matings.

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**TO POULTRY OWNERS, RAISERS**

A new scientific poultry house invention. Send post card with your name and address plainly written for free scientific booklet.

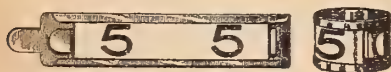
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443 Main Street PULLMAN, MICH.

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The kind that make poultry raising pay. Good, strong, healthy, growing day-old chicks. Safe arrival and entire satisfaction guaranteed. Bred and hatched on an up-to-date, well managed poultry plant, whose stock is a standard for good breeding and good health. Send for our catalogue.

Michigan Poultry Farm -:- Lansing, Michigan

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Patent applied for.

Send two 1 cent parcel post stamps for samples and trial offer. Large numbers showing ten feet away. First to use numbers you can see. Best band out. Sizes for Bantams, Leghorns, Rocks and Reds. Black numbers from 1 to 100 on white, light blue, pink, green, yellow, cherry, and red celluloid. Withstands weather and water. State size, color and numbers wanted. Send cash with order. Price 3 cents each, \$2.50 a 100.

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You will make more money after you learn about our wooden shipping devices—returnable.

Farmers' Modern Egg Crates for fresh egg delivery to individual trade, and for recording, turning and storing eggs.

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Star Egg Carrier & Tray Mfg. Co.

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**COLUMBIAN WYANDOTTES**

AMERICA'S GREATEST STRAIN

We are Specialists and Leading Exporters of this Profitable and Beautiful Fowl.

HEAVY WINTER LAYERS

Winners of Highest Awards and Honors at America's Foremost Exhibitions

FENTON FARMS, MT. CLEMENS, MICH.

## MISSTATEMENTS ABOUT THE CAMPINES.

IN the American Poultry Journal, April issue, appeared an article entitled "Belgian Campines." This article being signed by one who claims to be a breeder of Belgian Campines.

The writer of this article very evidently is not thoroughly posted as to the Belgian birds as he makes the statement in referring to the Belgian birds that "There is not a particle of difference between the Campine and the Braekel, including type, size, color and weight. The only difference, if it may be called one, is in the name."

If there is not any difference between the Belgian Campine and the Belgian Braekel as claimed in his article, he may be able to explain why it is that at the 23rd International Exhibition held at Brussels, Belgium, February 1913, which exhibition was held under the high patronage of S. M. Albert, king of Belgium, there were classes made for Belgian Silver Campines and Belgian Golden Campines, also classes for Belgian Silver Braekel and Belgian Golden Braekel; also classes for English Golden Campines and English Silver Campines.

As the Belgian people recognize the difference between the Belgian Campine and the Belgian Braekel and also the English type Campine, I feel it is of little use to answer any other mistaken statements which were built upon the above.

M. R. JACOBUS.

Ridgefield, N. J.

## F. L. POULTRY FARM

Rhode Island Reds—Breeders for sale

F. L. OBER, R. F. D. 1, VERONA, PENNA.

## EGGS NOW HALF PRICE

From PEERLESS White, Buff and Black Orpingtons

Peerless Orpington Farms, C. E. Rogers, Prop., Painesville, O.

## Pine Lodge Farm

South Lincoln, Massachusetts

Champion Blue Orpingtons—Depper's strain. The kind you must have when you want the best.

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H. W. HAYNER :: SUPERINTENDENT  
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Breeders of high class Single Comb White Leghorns, White Wyandottes, Indian Runner and Pekin Ducks.

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ORIGINATORS OF ALL THE ORPINGTONS

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## Single Comb White Leghorns

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THE ELLIOTT POULTRY FARM  
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## Poultry Band



The Kind That's Different

Write for free sample of Stevens colored and numbered band for poultry (state your breed of fowls so we can send the correct size). This band is revolutionizing marking. Made of aluminum and celluloid. Made for baby chicks and pigeons. Free catalogue giving full particulars and prices.

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A healthy flock is the reward of constant care. You can't keep disease germs out of your poultry houses unless you disinfect them regularly.

Poultry houses should be sprayed with Dr. LeGear's Dip and Disinfectant every week during the warm weather.



It is a great Germicide, Parasiticide, Antiseptic and Disinfectant, and eradicates all vermin and disease germs from poultry houses.

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Write for Dr. LeGear's Stock and Poultry Book of 112 pages—it's free.

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Corrugated Boxes For Eggs, Day-Old Chicks, and all Kinds of PARCEL POST Packing Boxes.

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The Safest and Strongest corrugated box ever devised for shipping day-old chicks. Perfect ventilation, no crowding, light weight, low charges. Used all over the country by shippers of day-old chicks.

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The Appco Shipsafe is accepted by all the Common Carriers and Postal Department.

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## QUESTIONS AND ANSWERS

Questions will be answered in this department only when full name and address is signed by the writer.

Conducted by

Prince T. Woods, M. D.

### Scaly-Legged Brood Hens.

Q. What is best to put on chicks' shanks to prevent scale? Would it hurt eggs for hatching to treat for scaly leg the hen's shanks while she is sitting on the eggs?

W. E. G.

Shepherdstown, Ohio.

A. Don't set a scaly-legged hen. You can't treat her legs during the incubation period without injury to the eggs. To prevent scaly legs in chicks, keep them away from all scaly-legged adult fowl. The disease is a parasitic one and may be spread from one infested bird to the whole flock. Chicks will not have scaly leg unless they run with other birds which have it or in unclean runs and coops that have been recently occupied by scaly-legged fowl.

### Food and Fertility.

Q. We have heard that the fertility of hatching eggs depends as much on the food as on the number of hens with the cock. Is that true? Also, what is your opinion of the following mash?

Lbs.

Corn meal .....	100
Cracked corn .....	100
Mixed feed .....	100
Middlings .....	100
Ground oats .....	120
Beef scraps .....	100
Alfalfa (cut) .....	50 or 100

We feed the mash wet, in the morning. Oats or wheat at noon and corn at night. Is that a good ration for fer-

tile eggs? We have 15 hens, R. I. Reds, with one cock, and cocks are changed every week or ten days. Should we change them oftener?

E. M. H.

Ipswich, Mass.

A. Food affects fertility only in so far as it affects the health, vigor and well-being of the individual. Your mash is more elaborate than necessary. Your ration is lacking in fresh, succulent greed food. Where high fertility is desired, feed plenty of fresh green grass, clover, rape and sprouted oats. With only 15 hens, it is not necessary to alternate males. One good male ought to take care of the flock all right. Give a variety of food with plenty of greens and keep their appetites keen. Give them an opportunity to exercise, and house them in open-front quarters.

### Wants an Ointment for Lice.

Q. Will an ointment made of lard and containing red precipitate of lead or sapodilla, applied to the skin and fluff of chickens just below the anus, kill body lice and the nits? If so, is it safe to use, and how often and what amount can be applied without its being absorbed by the fowl's system? What percentage of the drugs should be used? If neither of these poisons will prove effective in killing lice, can you suggest something that will, when applied in this manner?

A. H.

Wittenberg, Wis.

A. We would not use a red lead oint-

ment on either chicks or fowls for the purpose of killing lice and nits. Sapodilla has no value as a lice killer.

Grease of any kind will kill lice and destroy nits. Use plain lard on young chicks. Sulphur ointment or compound sulphur ointment is effective for use on adult fowl and may be used about the vent for lice and nits or for mites. It is also useful in scabies, bald head, favus, white comb, depilating mites, and scaly leg. You can make a good compound sulphur ointment as follows:

Mix 15 parts of oil of cade with 30 parts each of lard and soft soap; then add gradually and work well into the mixture 15 parts of sublimed sulphur and 10 parts of precipitated calcium carbonate.

This ointment may be applied freely in cases of scaly leg. When applying to the body, use it sparingly and apply to only a small surface at one time.

### Open-Air Incubator.

Q. The open-air incubator described in April issue appeals to me. Have you used it again this year with success? What would match this in brooding line? Is it imperative to have shade or protection in the way of trees for the "incubator," or would it work in the open if necessary?

R. J. W.

Pleasant Valley, N. Y.

A. It gave a very good hatch under trying weather conditions in April, 1913. Use small brood coops with wire runs attached, and allow 25 chicks to a

### DIRK'S RED MITE KILLER



One application kills all mites and prevents their reappearance during the season. Keeps fowls free from body lice. Makes scaly legs bright and clean. Keeps lard, pastry and sweets free from ants. Write today for special trial price.

M. E. DIRK, Box 102, North Baltimore, Ohio  
Marshall & Marshall, Niagara Falls, Ont., Distributors for Canada.

# FRENCH'S POULTRY MUSTARD

Send for booklet to

The R. T. French Company : Mustard Makers : Rochester, New York



**Silver  
CAMPINES**

**FIRST COCK**

**Silver  
CAMPINES**

**CHICAGO, 1912**

**Silver  
CAMPINES**

**PULLET FIRST**

Artist Louis Stahmer of the American Poultry Journal writes: "The type and markings of these fowls come as close to the accepted Standard as any Campines I have handled this year."

**Take no Chances with Unknown Strains**

My birds are absolutely free from Braekel Blood.

**EGGS FOR HATCHING---AN HONEST HATCH GUARANTEED**

No stock for sale.

Write for prices and mating lists.

**FRANK E. HERING, South Bend, Ind.**

Reference: THE AMERICAN TRUST CO., South Bend, Ind.



hen. The nests should be placed in a sheltered spot, but it is not imperative to place them under evergreen trees. It can be used in the open, but it is better to provide shade during the warmest part of the day.

#### Tumor on Side of Head.

Q. I have a White Rock hen that has a swelling about the size of a hickory nut on the side of her head between the earlobe and the bill and just under her eye. It is hard and does not yield much to pressure. The eye is not affected and she is perfectly healthy in every way. I do not know what to do for her. As she is one of my best hens I do not like to lose her. What treatment do you advise? V. O.

Amber, Okla.

A. Let alone treatment will be best in this case. Careful examination of the specimen would be necessary to determine the character of the tumor. As long as it does not seem to bother her we would let it alone. Should it begin to grow rapidly we would advise you to write, describing the case, to Dr. Harvey R. Gaylord, State Institute for the Study of Malignant Disease, Buffalo, N. Y. He is interested in the study of tumors (particularly cancer) in fowls and might like to have your hen.

#### Keeping a Pedigree Record.

Q. In exhibition poultry one finds it

desirable to know the dam and sire of each individual bird in the flock. The question arises: How can this be carried on successfully? Have previously punched to distinguish the different matings; but this only gives the sire and not the dam.

Suppose A is running two matings and marks the eggs as to the pen and the individual bird that laid the egg. These eggs are set and the chicks are taken out and punch marked as soon as they hatch. Each chick is marked according to the hen that laid the particular egg. Record is taken of the markings and each mark reveals the mating, also the dam and sire. The second mating is carried on in the same way except that a different marking is used. Next year A expects to run more matings and uses birds from last year's pens. The chicks are marked as before and record made. When fall arrives A will be having the birds from last year's matings and cockerels and pullets from this year's matings that carry the same punch mark.

The only way I would remedy this would be to put a sealed leg band on the birds as soon as they approach maturity. Therefore birds from last year's matings would carry different band numbers but might carry the same punch. If record is made of the band number and of punch it would reveal identity of bird and of dam and sire. Would like to have your ideas on the subject, as I am very anxious to carry

out a pedigree of the birds I raise and sell. P. J.

Stoughton, Wis.

A. The system of identification has all been worked out by several breeders. It involves a good deal of time, work and book-keeping. From no punch marks to double punch marks on both feet you can get sixteen combinations for identification. Makers of leg bands will supply bands for all ages of chicks and for fowls, with letters and numbers to suit the purchaser who orders a large quantity. The bands for young stock should be made detachable so that they can be used over and over again. Trap-nests are used to identify the layer. Eggs from one hen only are hatched in the same nest. The chicks are punch marked when hatched. This suffices, if record is kept, until chicks are moved or mixed with another lot. Then each must be banded and record kept. As chicks grow the bands are changed for larger bands and record kept until adult size is reached. Then a sealed band can be used. It is all a matter of system in marking and in record keeping. Whether it is worth while or not is for you to decide.

#### Breaking Broodies—Feather Eating.

Q. (1) Last July 4th I received 34 day-old chicks and I raised them all. Had 17 pullets and did not expect them to start laying before February. One started to lay in December and they kept right on starting in one after the

**R. C. Caldwell Ships Baby Chicks of Quality on short notice. See pp. 956**



## Iowana White Orpingtons

Bred For VITALITY, PRODUCTIVENESS, QUALITY

SPECIAL THIS MONTH—Breeding stock at half their value. Rarely is such an opportunity offered to secure fine breeders. Eggs at half price. \$2, \$4 and \$6 per 15. \$10, \$15 and \$25 per 100. Mating list and information upon request.

**IOWANA FARMS, POULTRY DEPT.**

DR. BRYANT SMITH, Mgr. -- Box S -- DAVENPORT, IOWA

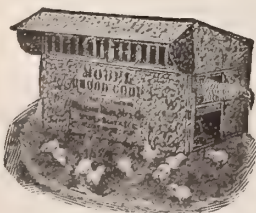


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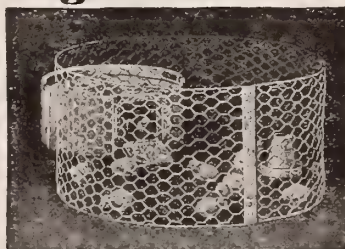
With our POULTRY BUILDINGS and FIXTURES --- Send for our large Catalogue at once

We make Portable Henneries, Brood Coops, Setting Coops, Colony Coops, Fireless Brooders, Trap Nests, Exhibition Coops, Portable Fences, Poultry Gates, Fattening Crates, Wire Runways, etc. Write now. Catalog free. Mention A. P. J.

**Niemann Bros. Mfg. Co. : Box 677 : Mt. Olive, Ill.**



Model Brood Coop



Model Fireless Hover With Yard  
Price \$1.25. Half doz. \$6.90



Economy Trap-Nest



other until January 20. Up to 20th of January they averaged 2 eggs a week each and from then on they averaged about 5 eggs a week each. I killed one pullet and in March the rest began to get broody. I broke them up by putting them in a pen with two cockerels and it worked all right at first. Then I was told to tie their legs together and leave them on the floor. I did this with one and the other hens picked her abdomen all to pieces before I discovered it.

A. That is a very poor way to try to break up broodies. Leaving a bird bound and helpless in the pen with the others is almost certain to start trouble. To break broodies provide a slat bottomed coop hung up from the center so it will swing. Put the broody bird in this the first night you find her on the nest. Water her but do not feed. Keep her confined three days and you will find that she has lost interest in sitting.

Q. (2) My White Orpingtons pick the feathers out of each other and eat them. Some hens in another flock cared for in the same way do not do it. What can I do to stop it?

A. (2) Feather eating once started is difficult to stop without killing the bird. Give them liberal range and keep

them busy and they may get over it. Feeding an abundance of fresh greens helps. Sometimes hanging a salt codfish in the pen for them to pick at will check feather pulling.

Q. (3) I wish to build a poultry house 215 feet long that will be 20 feet wide, 7 feet high at front and 5 feet at rear. House will face the south and have a feed room in the middle. Each wing is to be 20x100 feet for accommodation of 500 fowls. Every ten feet will run out a partition eight feet from the back to form a roosting pocket and make these tight to stop drafts. Will have a gable roof and will ceil overhead with 6-inch boards placed 3 inches apart and in space above these will pack straw. Expect this to take up all moisture and keep house dry in frosty weather. Will have windows every 12 feet of front, each 4x5 feet, of 8x10-inch glass. Would it do to leave out a row of glass in center of each window and cover with cotton or burlap?

A. (3) We would prefer to build one of the popular types of open front houses, even in your location, and would have a solid partition every 20 feet with a 9-foot partition 10 feet from each solid one. Believe the Woods type of open house would suit you best. See

book "Open Air Poultry Houses for All Climates," obtainable of our book department. If we were building a house such as you describe would leave out half of glass in each window and replace with fine wire netting. Would have a solid partition every 20 feet.

Q. (4) By keeping 500 pullets in one flock will I get a 50 per cent egg yield by proper feeding and care?

A. (4) Not throughout the season. During heavy laying period you ought to considerably better that percentage. If you get a 30 per cent yield in fall and early winter you will be doing very well.

Q. (5) How much do you figure it costs to feed a hen? It costs me 12 cents a month per bird for my 17 pullets.

A. (5) Cost varies with the location and cost of supplies. Range is usually from \$1 to \$2 per hen per year.

Q. (6) I would like to know how to build your battery of 10 nests for sitters or open-air incubator.

A. (6) The directions for building and illustrations showing construction were given in April A. P. J., pages 679-9.

Q. (7) Do you find hen hatched chicks stronger than incubator chicks?

## ORPINGTON FOWLS AND DUCKS



Winner at Grand Central Palace

Winners at Madison Square and Grand Central Palace, N. Y. My birds are all descendants from prize winners, and my recent "victories" at these two most prominent shows in America should convince you that I have "quality" that will please you. A few special bargains in trios and pens at this time.

ON 11 BIRDS SHOWN AT THE PALACE 10 WERE IN THE MONEY

ON 14 BIRDS SHOWN AT THE GARDEN 7 WERE IN THE MONEY

These prize winners are all in my yards and are mated for the egg trade. Plenty of grand pens to select from. Superb matings, \$5.00 to \$15.00 per 15. Excellent quality for the price.

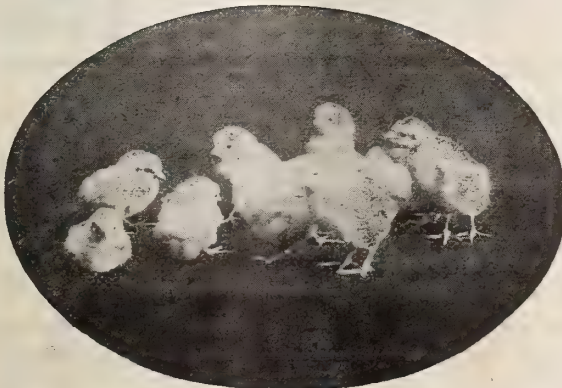
### Buff Orpington Ducks

Madison Square winners. I won 1st pen, 2d young drake, 2d young duck and 3d pen Grand Central Palace. I have as fine a flock of these most wonderful layers and money makers as can be found anywhere. Having a flowing stream insures my duck eggs being fertile. Duck eggs only \$3 to \$5 per 11. Write for prices on Baby Chicks. Catalog and mating list free.

F. B. CRAWFORD BOX 115-A RAHWAY, NEW JERSEY

## 300,000 CHICKS FOR JUNE DELIVERY

LARGEST BABY CHICK HATCHERY IN AMERICA



We have been baby chick specialists for thirteen years, and hatch day-old chicks from strictly first-class show and utility stock.

We furnish twenty standard varieties, but hatch the largest number of White and Brown Leghorns, Barred Rocks, White and Buff Orpingtons, Rhode Island Reds and White Wyandottes.

### 300,000 Chicks for June Delivery

These will go at greatly reduced prices that you can not afford to miss. Be sure to let us know your wants and write for our free catalogue.

M. Uhl & Co., New Washington, O.



I have an incubator that was made over here but never had any success with it.  
S. F.

Canada.

A. (7) We are not prepared to say that a properly hatched incubator chick differs materially from a properly hatched hen-hatched chick. There are however a lot of artificially hatched chicks that are poorly hatched and some natural method chicks that are poor ones. We have hatched and brooded a good many incubator chicks that we could not tell from hen hatched chicks when grown. In the long run, however, we think we note some slight loss in the breeding birds after several generations of artificial hatching and for that reason like to have a supply of hen hatched breeding fowl. This is a matter that several experiment stations might well devote a number of seasons to. One great difficulty is that mighty few people are sufficiently expert to produce a regular supply of well hatched incubator chicks.

Last year we took a lot of eggs that we knew were giving fine results to a

certain custom hatchery. The chicks we got were not worth attempting to rear. They were spoiled during incubation. Other eggs of the same sort from the same flocks in the hands of another incubator operator gave exceptionally fine chicks that thrived and grew wonderfully. The same sort of eggs under hens gave uniformly good results and good chicks and made some of the best mature specimens. It isn't all in the egg and there are a lot of things during incubation that may make or mar the chick. We believe that the mother hen, when allowed her own way, knows a lot more about how hatching should be done than we are ever likely to know. We have a friend who successfully custom hatches thousands of incubator chicks each year. He has been at it fifteen years, has always been a very successful incubator operator and has had exceptional results the past three years. He told us recently that if he could repeat his results of past three years the present season he should begin to think that he had learned something about artificial incubation. Please

note that he said "begin to think." He isn't satisfied yet that he has the "know how." Mighty few men would be willing to give as much time, hard work and long hours to incubating as he does. He still has the enthusiasm of a beginner and when the chicks are popping out he can't keep out of the cellar and says he finds it as great sport and excitement as many men find in a day's good hunting. Maybe that will give a cue to his secret, if he has one.

#### Bacterial Enteritis Probably.

Q. Kindly advise what I can do for a chicken which has the following symptoms: I occasionally lose a hen, the first appearance of anything being wrong is drowsiness, loss of appetite, then the comb will begin to get pale from the point down until the entire comb looks lifeless. The droppings are usually dark green, almost black color, and but little white. The small amount which the hen eats seems to stay in the crop. The bird loses flesh rapidly and seems to waste away. Will stand around quietly most of the time. Keeps on

**U. R. Fishel's Ad in this issue will interest you. Read it.**

## CAMPINES

Silver Campines, imported stock, carefully selected and mated by an expert for exhibition stock. Winners assured. Eggs, \$10 per 15.  
J. G. ZIMMER FORT WAYNE, INDIANA



## BRUCE'S ORPINGTONS

**BLACKS, WHITES AND BUFFS -- BIRDS OF QUALITY**

Are winners wherever shown. Line-bred from the best blood in America and England. Deep, wide-bodied birds of correct color, and the price fits your pocketbook. Our \$25 pens represent twice the value usually given. So do our \$5 and \$10 male birds. Our eggs for hatching at \$3 per setting, \$15 per 100, or \$5 per setting, \$25 per 100—fertility guaranteed—are the equal of any at three times their cost. Why pay more? Birds imported for special customers. Write immediately for free catalogue.

BRUCE POULTRY AND STOCK FARM, Telephone 740-R, LYNBROOK, L. I., NEW YORK

# Barred Plymouth Rocks

The "Hoosier Strain" Barred Plymouth Rocks scored another sweeping victory at the Big Cincinnati, Ohio, show Jan. 23-29, 1913, winning best display, five silver cups, gold special for champion male, etc. We had twice as many points for best display as any competitor. This phenomenal winning added to our record of first cock at Chicago, Dec. 1911, second and third cocks and fifth pullet mated pen Chicago, Dec., 1912, five first and four second prizes at Indianapolis in 1912, is final proof that there is no better strain. Eggs for Hatching: Our pens are the best we ever mated and contain more National Show winners than the same number of pens owned by any other breeder in America and will produce the winners for next season's big shows. Prices for Eggs, \$1.50, \$5 and \$10 for 15. A few choice breeding birds for sale. Send for mating list.

**G. Earl Hoover :: Route 24 :: Matthews, Indiana**

# CHAMPION BUFF WYANDOTTES

**(America's Great General Purpose Fowl)**

AS TO QUALITY—Champion Buff Wyandottes won 30 out of a possible 32 first prizes at Chicago, Indianapolis, Nashville, Cincinnati, Hamilton, during 1912.

AS TO PRODUCTIVENESS—Champion Buff Wyandottes averaged 22 eggs per hen during the month of March, 1913.

If you want to win the blue ribbons next winter, or if you would like your egg basket full during the entire year, raise Champion Buff Wyandottes, America's great general purpose fowl.

Every bird and every egg we sell is fully guaranteed. You can't lose if you raise Champion Buff Wyandottes.

**Besuden Bros. : R. W. Sturtevant, Manager : P. O. Box 359B, Cincinnati, Ohio**



getting from bad to worse until appetite is absolutely gone and the bird dies. On cutting open I find the contents of the intestines are almost black. The gizzard is almost empty and shrunken to about one-third of its normal size. I have never been able to cure a fowl so affected and only lose one in the course of three or four months. Have lost four in the past year at different intervals. If you can give me a remedy and state name of disease, will appreciate it.

L. D. T.

Evanston, Ill.

A. Diseases of this sort are difficult to diagnose from report like above. It is undoubtedly an infectious disease. Probably bacterial enteritis, but possibly one of several other infectious diseases which have been confused with it and are not very well known. Foul ground in coops and runs is most probable cause and it is likely that only susceptible birds that are somewhat out of condition are the ones to become infected. In connection with this case look up also "fowl typhoid" and "infectious leukaemia." All of these diseases are so called "filth diseases" and are usually the result of uncleanly conditions of runs and buildings, particularly old earth floors which have not

been thoroughly cleaned out in a long time. In course of several seasons an earth floor becomes contaminated to a considerable depth. Each season some six to eight inches of top earth should be removed and replaced with new soil, first drenching the bed earth with a good disinfectant.

Treatment in cases like above is seldom satisfactory, as bird is usually too far gone, when noted, to make a good recovery. Prevent the disease by good care and management and don't waste time attempting treatment. If you will attempt treatment try a good intestinal antiseptic like Abbott's combined sulphocarbolates in tablet form. Feed stimulating and easily digested soft food while under treatment.

#### Chicks With Sore Heads—Leg Weakness.

Q. (1) Chicks get sore heads. First a swelling around the eye. Then after a while matter in the eye. Eyes are closed and lids stick together so that they cannot see to eat and they die of starvation.

A. (1) This is an infectious disease more common in tropical or semi-tropical climates than in temperate ones. See that the interiors of all brood coops

are well sunned and aired daily. Keep coops and runs clean and use disinfectants freely. Keep chicks in good condition by good care, a liberal supply of wholesome food and abundant greens. When trouble is first noticed bathe eyes, mouths and nostrils in a solution of one teaspoonful of creolin (or any good cresol disinfectant) in a quart of soft lukewarm water. Be sure to open the gummed eyelids. Treatment is best given by dipping the bird's head with its mouth held open. When case is not discovered until there is pus in eyes, first wash eyes and lids with lukewarm water and then drop into the eyes a few drops of a 25 per cent solution of argyrol or a 5 per cent solution of protargol. Use freshly prepared solution.

Q. (2) Chicks about a week old lose the use of their legs and are not able to move around. If penned up for a week or so they seem to get all right again. I first thought it was on account of the wet weather, but find that it cannot be that, as we have had no rain for some months.

W. J. P.

Honokaa, Hawaii.

A. (2) Commonly leg weakness is the result of too close confinement, too heavy graining and not enough greens. It may result from any errors in diet

**U.R. Fishel's Ad in this issue will interest you. Read it.**

**WHITE FAVEROLLES AND GOLDEN AND SILVER CAMPINES**

Faverolle eggs, \$10 per 15. Campine eggs, \$5 per 15, \$25 per 100, \$40 per 200. A 75 per cent hatch guaranteed or more eggs sent free.

**AUG. D. ARNOLD BOX 777 DILLSBURG, PENNSYLVANIA**

**S. C. RED EGGS REDUCED MAY 15**

**IRA M. CROWTHER : BOX A : WILLOUGHBY, OHIO**

**Quality White Rocks**

Eggs and chicks at reduced prices for balance of season. Mating list for a stamp.

**L. C. Bonfoey : : Box 72 : : Vernon, Connecticut**

**Bean's World's Best Columbian Plymouth Rocks**

Make another sensational winning at the Club's Annual Meet, Philadelphia, December, 1912, winning all firsts and all seconds except 2nd pullet and she came from my baby chicks. Again at Boston's great show, January, 1913, they make another clean-up. Is this not positive proof? 83 firsts out of a possible 85 competed for in 1911-12; 62 firsts out of a possible 63 competed for in 1912-13 and all cups and displays and shape and color ribbons. Why not start with the world's best and be satisfied? Send for free mating list before buying.

**F. G. BEAN BOX A COLLEGEVILLE, PENNSYLVANIA**

**PARTRIDGE PLYMOUTH ROCKS**

### A Strain with a Reputation and Quality For Those Who Want the Best

My twenty-page, handsome mating list, with colored cut, pricing eggs for hatching from twenty pens, will surprise you in elegance and prices of stock and eggs. It is mailed free to those who are seeking the best breed of the times, the best treatment, and reliable stock and eggs. My customers report winners, from my last season's eggs, all over the country. If you want to get in this class buy eggs or stock from Perkins.

My handsome thirty-six-page catalog and text book containing useful information, a colored cut of a pair of Perkins' Partridge Plymouth Rocks, mailed on receipt of twenty-five cents. It is worth the money.

You are losing time if you do not take up the Partridge Rocks. Will be glad to serve you.

**F. N. Perkins : 22 Harlem Ave. : Freeport, Ill.**



and resulting indigestion and from eating anything that causes intestinal irritation. If your chicks recover when penned and have the trouble when on range, you ought to be able to discover the cause by careful observation of the flock. When you find the cause, remove it. The first step in treatment of any ailment should be to locate the cause and then remove it if possible.

#### Report of Three Small Flocks.

Mr. Editor:

I noticed in March A. P. J. your article, "Will Small Flocks Lay Better Than Large Ones?" I have tried with flocks of 6, 12 and 25 in separate pens,

as I have just started on a small scale. I have R. C. Rhode Island Reds, and I don't think there is anything better. Here is egg record for January and February:

Pen 1—Six birds; January, 110 eggs; February, 121 eggs.

Pen 2—Twelve birds; January, 216 eggs; February, 233 eggs.

Pen 3—Twenty-five birds; January, 344 eggs; February, 373 eggs.

These birds are all cared for the same way. I feed a dry mash in hoppers and grain in litter. They have plenty of grit, charcoal and ground oyster shells. There are no floors in my coops. Litter is about 7 inches deep, of clover hay and oat straw. This is cleaned out once a week. The coop is partly open to the south. There is plenty of good light, fresh air and sunshine. My birds do not get out after cold weather sets in until warm weather comes again. Have no frozen combs or wattles. C. W. Miller.

Bridgeport, Conn.

(Thanks for the report. We would be pleased to have a full year report of these flocks, with a statement concerning the age and condition of the birds in each flock at the beginning of the year, also their general condition throughout the year and the amount of house space allowed each flock. Other things being equal, we would not look for any great difference in production between flocks of 6, 12 and 25 hens, respectively. This two months' report does not indicate any reason for the difference in yield between the first two pens and pen 3, yet the reason would undoubtedly be apparent to an experienced observer who had an opportunity to view the flocks and learn more about them. Taking the season through, we have not found any material difference in the laying of such flocks.—Ed.)

#### Puzzled with "Feeding Problem."

Q. I always find many helpful answers to poultrymen's problems in your Questions and Answers Department, and now I wish you would kindly answer one for me. The feeding problem puzzles me most. In the morning I feed equal parts of wheat and oats thrown in about a foot of litter. At noon I feed table scraps, and at night I feed cracked corn and a few oats. They have oyster shells, grit and charcoal and meat scraps always before them. They are all bred from good layers, no breeder laying less than 170 eggs her pullet year, and on this ration, in an open front, well cleaned house, they have averaged less than a 25 per cent yield this year. They are free from lice. I feed plenty, and cannot understand why they do not lay better. I am also having trouble with the hens getting "dumpy" every few days. I give them a dose of stock tonic and they are all right the next day, but get just as bad again in a few days. I would greatly appreciate helpful information. P. D. M.

Cadillac, Mich.

A. Would either get some new stock or would (if necessary) get some vigorous males of same variety, unrelated to your fowls, and mate them to the most vigorous hens to grow layers for another season. To eliminate the "feeding problem," provide a good 20-quart automatic feeder for each fifteen birds in the flock. Generally two feeders in a pen will give better results than one. Fill one feeder with cracked corn and

the other with oats and wheat. Place a hopper of "mixed feed" (a mixture of bran and middlings) where they can have free access to it. Keep beef scrap, oyster shells, grit and charcoal and water where they can have access to it at all times. Feed the table scraps at noon, but don't overdo it. Give fresh green food daily, all they will clean up. A daily supply of sprouted oats will help.

Your birds get dumpy from indigestion. Probably you will find the cause in the table waste or in the lack of fresh raw greens. Birds that are out of condition from careless or from fussy feeding won't lay well. Continuous close breeding from exceptional layers frequently yields more indifferent layers than good ones in the long run. It is well to have both males and females out of good laying stock, but the prime requisites in breeders are health, vigor and vitality. Get these three, and you will get eggs.

#### Had Frost in Muslin-Front House.

Q. (1) I am new at the chicken business, never having seen a baby chick until last spring. I have Barred Rocks and have 7 pullets that all winter laid on an average 3 eggs per day, which had everyone stopped around here. I raised them by the Philo system and did not lose one. I do not keep them in a Philo coop, but have an 8x12 ft. house, 7 ft. high in front and 5 ft. high at back. Front faces south and is all open except for a muslin screen. There is no glass in the house. Now I find on cold mornings there is a heavy frost on inside of house which melts through the day and leaves house walls and litter damp. I have not had a bit of sickness and all of the flock seem strong and healthy. Do you think I ought to have any glass in this house?

A. (1) You do not need any glass in the front. If you do away with the muslin screen and substitute quarter-inch mesh wire screen for a three feet high opening in the width of the front, and leave it open, we believe you will not have any further trouble with the dampness and frost during cold weather.

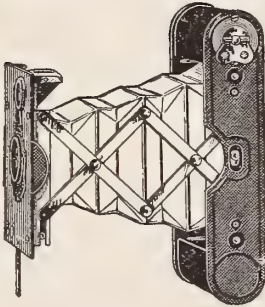
Q. (2) The old hen that hatched my chickens stopped laying July 20th and never laid again until Christmas day, and has not laid since. She is not two years old until this June. She has the same care as the others, but never goes on nest at all. I am anxious to make a success of this business, and if you can tell me what is wrong with the coop and what kind of persuasion will put the old hen on the job, I will greatly appreciate it. R. C. B. C.

Schenectady, N. Y.

A. (2) The best thing to do with that hen is to make a pot pie out of her. She is not likely to ever do much more in the laying line. You might coax a few eggs out of her by feeding an abundance of greens and meat in addition to the grain ration, but it is hardly worth while. She should be fat and in good eating condition, and her best specialty can be turned to good account by the cook.

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# Notes from the Southwest

Conducted by H. H. Stoddard, Riviera, Texas



## A FEW THINGS.

**I** CALLED ATTENTION to the title of Milo Hastings' book, "The Dollar Hen," as showing candor in forecasting profits, in contrast to the extravagant figures often claimed.

In the temperate zone, in spite of high cost of equipment, over a dollar will be made per bird per year, if management is good. Under fair to middling management, it will be close to a dollar, and so in round numbers, I have always said, "one hundred hens, one hundred dollars," for curiously, it has not varied very much for over forty years, except in very remote districts. In the Arkansas Ozarks, forty-five miles from nearest railroad, and accessible only by difficult mountain roads, I have seen six dozen fresh eggs sell for 25 cents. In Texas, ninety miles from railroad, but roads not difficult, eggs have sometimes sold seven dozen for 25 cents. Soon, however, railroads will gridiron the state. The way it has been for over a generation, the frontiers excepted, when and where grain was high, eggs were high, hence matters were broad as they were long. There seems to be no reason why the dollar-hen proverb will not also prove out in the future, almost everywhere. But

### Not at Our House,

for I want none of this average dollar business, but must have the average, including all ages, considerably under a dollar. Ninety cents may be about right, or perhaps even less.

It is this way: At the effete and unfortunate North, where buildings cost like the dickens, common estimate is probably right in calling it unprofitable

to keep hens of the non-sitting breeds, for laying purposes, longer than through their second laying season. But here, where equipment for one layer costs, exclusive of land, ten cents, against one or two dollars at the north and west, where the labor of attendance is also much less, it is sure to turn out to be profitable to keep the main laying strain through three laying seasons and possibly even four.

If the first season the profit is, say, \$1.50, and the next \$1, the average would be \$1.25. If kept another season at a profit of 80 cents, the average would be \$1.10. Were it possible in a salubrious climate, with fresh air day and night at all seasons (and perhaps the extra pains of removing the dead-beats by some quick and easy method), to keep some of the birds through even a fourth season at 50 cents profit, the average would be 95 cents.

The field is very new here, and the laborers few. Nobody can tell up to what age it will pay to keep layers here till somebody gets careful statistics of the matter, and that is a work of years. It is a question of great importance, and concerns every citizen of the commonwealth, whether a poultry-keeper or not.

It is in just such cases as this that the help of the

### State Station

becomes necessary. Here, the realm being so extensive and conditions consequently so varied, there should be sub-stations. One at Southwest Texas could work to great advantage on a number of important local poultry problems. Compared with station work, it

is sheer waste of time for individuals to carry on separately experiments that few persons will ever hear of when all is said and done, and which, if heard of, would be clouded by the suspicion that the experiments were not rigid enough. Few persons know how to properly guard against errors in such experimenting, and, worse and more of it, nearly always a private party has something to sell in the line of his experiments. In such case, in poultry, seeds, nursery stock, or anything else, experience has proved that the huckster element is often not to be trusted.

\* \* \*

As regards trap-nesting for selecting breeders, it is obvious that, though no pains can be too great at a state station, the commercial poultryman will always be inclined to shun the machines on account of the time they devour.

Especially where the object is culling out the poor laying stock for the butcher, the trap-nest may take so much time that, under semi-tropical auspices, where, by labor-saving contraptions, one hand can take care of an enormous number of fowls, it might pay better to employ the same time in keeping additional numbers and going right ahead with poor layers and all. In other words, 2,000 layers, culled carefully and every one good, might be very fine, and all that, and make a record to brag about in speeches at poultry society meetings and in print, but 3,000 layers; good and bad, might give bigger profits, the income from the increased number embracing many good ones serving to pay the board of the dead-beats and a

**U. R. FISHEL'S AD in this issue will interest you. Read it.**

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of 50 per cent will be again given on all orders for eggs. Beginning June 1st, 1913, baby chicks may be secured at a discount of 33 1/3 per cent. Orders for delivery after the above dates may be booked at any time. 'Tis best, however, to **do it now!** Write today for our handsome 1913 catalog and mating list. Mention American Poultry Journal when writing.

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profit on top of that. It is all a question of mathematics.

A Little Gumption

may enable a breeder to test out poor layers with very little labor, without using trap-nests. Suppose you have a large Rancocas flock, all laying at the racks where nests, consisting of orange boxes with entrance on one side for the hens, are placed, on the waist-high plan, in two tiers. It will be easy to have a flap of burlap, or some cheap cloth or other, tacked to the side of nest box over the top of the entrance and hanging just low enough so as to slightly graze the neck and tail of a layer, and yet not quite low enough to deter her from entering. She likes such a flap because it spells privacy, and congratulates herself on being such a successful sneak.

Well, now suppose your one thousand fowls in a flock are of an age such as

to make you question whether you better turn them off soon. Only a few are laying, for it is early in the season. At some time or other during the next two months all that are worth keeping another year will be laying. You want to find those who were late in moulting or unthrifty and therefore slow to begin laying. There will be some drones that never will lay, but are fat and fit for market. The price of old hens will be away up in two months, because people hate to send hens to market at the height of the laying season, and the new crop of chicks will not be old enough to sell except in a few cases.

To trap one thousand birds for such a purpose as this would take too much time, even were your nests all fitted for the method. To tack curtains on every nest would, however, not be a very formidable task. Your breed may be supposed to be white, but if of some other color, you vary the plan accord-

ingly. Every fortnight, on two consecutive mornings, go the rounds and touch the lower edge of the curtains lightly with black paint. Very little will do.

The object in trying two mornings in succession is to be sure and mark the every other day layers. The second month you may change the color to blue, and soon your walking and flying tally sheet will be quite instructive, for it will show some birds with two colors, some with one, and some with none, thus telling you which birds began laying earliest, which later, and which not at all.

You don't want your birds "disfigured that way," you say. Well, I appreciate the objection, but commercial poultry business is not for frills, but "mun." You must stand long enough to compensate for your sufferings, watching and gloating over younger flocks with their unsullied plumage and combs brilliant with the health-hue that comes from the exclusive out-of-door life.

Even in selecting stock for breeding, it is doubtful whether the commercial farm will ordinarily monkey with trap-nests very much. His slogan should be vigor—vigor, first, last and always—and to select from a crowd, seemingly alike, the birds just a little more alert than their fellows, needs all the time he can spare, and then some. It also needs ability coming only from special practice.

In the long run, even if vigor is the sole basis of selection, it is extremely probably that the desired heavy laying will take care of itself. What I mean is that heavy laying will be obtained as is desirable. It is often claimed that, as the phenomenal layers, like Lady Showyou, are sometimes models of strength, therefore high fecundity and strength cannot be incompatible. But though strength may promote high laying in the individual, it may not be true that high laying promotes strength in the progeny of that individual. There is some testimony tending to prove that it promotes weakness.

Am inclined to think that the commercial man, after getting together a batch of vigorous pullets, would do best to himself by not trying to cull out the most fecund, which would take a year, but simply reject, by the "curtain method," just described, the pullets that are the latest in the flock to begin laying.

Of course, the flock should all be of the same age, and what is very important, all should have been so fed all their lives as to have every tissue of their bodies well nourished, and under such circumstances those birds which lag behind the others in beginning to lay will almost always be the poorest layers all their lives. With the precaution of rejecting these, breeding only from vigorous birds will keep the rate of laying of the whole ranch not far from right.

When asked how I make the cost of equipment for layers, aside from land, only a dime per head, in the home of the houseless hennery I figure as follows, to-wit: Perch and proportion of shade boards, five cents; proportion of nest, two cents; proportion of wire fence, two cents; proportion of granary, tools and other articles for common use, one cent.

It should be in mind that quite a short fence encloses open-air perches for

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many birds, that one nest answers for five or more, and that such "overhead charges" as granary, tools, baskets, pails, and dozens of small necessities are divided among thousands of fowls.

When it comes to the question of cost of land it will be generally found that the newer the region the cheaper the land, but in a new region or anywhere else it is seldom very cheap near a railroad station, and an egg farm is decidedly handicapped if very far from one. Yet an important consideration is that cheap land which spells plenty of land is very important, and if the soil makes good roads, or the country is settled enough to have the roads artificially made good, then the automobile can be employed as a wonderful distance annihilator.

\* \* \*

Apropos of the number of birds one man can attend properly, I notice that the estimates are very diverse, as well they may be since conditions vary extremely.

The eminent pioneer poultryman, W. H. Rudd, said that in the winter not over four hundred fowls could be cared for by one man, as he took care of them, while housed as he housed them, in Massachusetts.

Lately, estimates have been going the rounds of the papers ranging from one thousand to three thousand, for mature fowls only, no care of chicks being included.

Well in the Southwest, with watering out of the way because automatic, and the question simmering down mainly to feeding, egg gathering and general overlooking to detect anything amiss, if I cannot take care of ten thousand layers I will eat 'em all and swallow the fences and perches for a chaser. But packing and shipping eggs I do not include, neither raising and preparing green stuff, and the whole shooting match must be organized for labor-saving.

\* \* \*

I have spoken in these columns of the ease with which heavy crops of Egyptian wheat can be grown in the Southwest. The country seems to say: "What I like I like and will produce almost spontaneously and in rich abundance; but what I don't like I will bother you in producing till you won't try it again, on this very peculiar soil of an ancient ocean bed."

As some sort of an appetizer or flipper to digestion is good for fowls, dill can be grown for them here with surprising facility and prodigious yield of seed, and can be harvested very readily and thrown to them stalks, heads, seeds and all.

\* \* \*

Have alluded to the problem of growing Leghorn chicks with wings tucked up from first to last as snugly as the shell on a turtle's back.

Here is a lesson. Allow some broods the free run of the vegetable garden, or a large grass plot where there are no older fowls, and other broods of same sort, keep in a bare yard, and feed both lots in the same way exactly, allowing both a supposedly well balanced ration, including the proper grains, and animal and fresh vegetable food both, and everything like grit, ground bone and so on.

Notice how the tucking up biz turns out and frame for yourself the why and wherefore.

\* \* \*

If breeding from the best of both

sexes to get the best layers is not correct, there must be a lot of misguided stations, and professors who are instructing classes, and thousands on thousands of poultry keepers who make up breeding yards on the old fashioned plan. But only once get the cry started, "laying qualities are transmitted only by the male bird," and it will be echoed for a long time.

\* \* \*

I once constructed perches that, when outdoors where saving space was no object, were quite wide apart for facility in counting by moonlight or lantern light, but have given up that method. Have a narrow doorway and in the morning count them out upon the range through that. The speed they make in passing through saves time. There is greater accuracy, too, than in counting on the perches, as there are sure to be a few timid birds which will jump down, tending to mix up your census.

\* \* \*

I have been contending that fowls instinctively turn to something opposite in content, when they have eaten a proper quantity of any particular sort of food, and that eating one sort immediately starts an appetite for a contrasted sort. Now comes the May issue of Good Housekeeping, in which that superlatively excellent writer, Dr. Woods Hutchinson, says: "Lean meat not only is appetizing and stimulating in itself, but in a peculiar degree it stimulates the appetite for fats and starches as well. So that, by the addition of comparatively small amounts of lean meat much larger amounts of starches, vegetables and fats can be not only eaten with zest, but digested and well utilized in the body."

So a human being's instinct is as perfect as that of an insignificant three-day-old chicken! At the dining table no need of a boss to sing, "Whoa, Emma, a little too much lean in that last mouthful; take some fat now." Or, "Hold on there, grease up a little. You must be unctuous."

\* \* \*

Not long ago I prophesied that the time would come when Petaluma, with its wonderful twenty-five mile long line of poultry yards, would in time catch up with the enormous San Francisco demand for eggs. It would seem, quite lately, that the time has now arrived. The prices of eggs being lower than in past years, mass meetings of poulterers have been held to find out what to do about it, and the Panama Canal trade was suggested as a relief.

But they will run against a circumstance. Southwest Texas is nearer by a long bit, and has cheaper food for poultry. Raw material for eggs cheapest in the world and no end of various markets, best in the world for finished product. Largest dairy of choice cows in the world, one thousand head of fine Jerseys, only a few miles from Riviera. Separated milk for curd galore for chicks, and what do you know about that?

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### June to Mid-July.

June hatched chicks if grown where shade is plenty often make very fine specimens when matured. If you have the time, the room and the wherewithal, try a flock of June chicks this season.

\* \* \*

Right now, be careful of all mixed feeds containing cracked grains and be sure that the corn is right. This is the season when corn spoils quickly. Don't feed moldy or musty grains or cracked grains that look and smell offcolor. Spoiled corn, green-heart corn, is poison for chicks and fowls. It will kill little chicks and will quickly put adult fowls out of condition. Be sure that your feeding grains are sound, sweet, and wholesome.

\* \* \*

Be sure to provide shade, cool drinking water and an abundance of greens at this season for both young and old stock. Fresh, succulent green food is particularly important. Chickens from the shell to the frying pan require a liberal allowance of greens. With plenty of green food supplied you get better value out of the grain and meat food fed to your birds. Goose and duck growers know that you can stunt or kill both goslings and ducklings by heavy grain feeding without a sufficient supply of green food. Green food is essential to their growth and well-being. Many who grow chickens fail to supply enough greens and so fail to get best results. At this season of the year there is no excuse for keeping the flocks, young or old, short on greens. There is plenty of good food going to waste on most poultry places right now.

\* \* \*

If the signs do not fail this should prove a good clover year and a big

clover crop will be a boon to poultry keepers. Clover is good to feed green and it is good to feed when cured and cut fine. There is nothing better for litter for brooders than good cut clover and the small chicks will eat a great deal of it.

\* \* \*

Don't crowd the brooders, brood-coops, or growing houses. Crowded quarters spoil your chances of getting good growth and development. See that all sleeping quarters for chickens and fowl are well ventilated and so constructed that there will be an abundant supply of fresh air both night and day, particularly at NIGHT. A tight, close, poorly aired coop will take more out of the chicks in one night than you can put on or in them in a week.

\* \* \*

This is the season when lice and mites grow fat and multiply. Don't imagine that because the coops were empty and exposed to the elements through the cold winter weather that the mites suffered any in consequence. Unless you have used a good "killer" freely, you will find the vermin right on deck and ready to do business with the first flock you house in the infested coop.

\* \* \*

Dalmatian or Persian insect powder (pyrethrum), if fresh and pure, is one of the best means of getting rid of body lice on fowls and chicks. Work it well into feathers and down all over the bird. Use it on sitting hens when you set them and again a few days before hatching time. Rub it into the down on the chick's head to get rid of the fat head lice.

\* \* \*

For mites and other vermin about the roosts a good liquid lice killer is best.

Mites live and raise big families in the cracks and crevices of the woodwork and under neglected droppings or other filth. They multiply rapidly and must be reached to kill them. Paint the woodwork well with lice killer and spray it well into all cracks and crevices. Make a thorough job of it and repeat as often as you find mites about. We have known mites to kill a sitting hen and they will quickly put a promising brood out of the running.

\* \* \*

There are many excellent liquid lice killers on the market that will destroy mites. You can make a good one at home by dissolving in kerosene all it will take up of crude naphthalene flakes.

\* \* \*

Provide a good "dust bath" for both young and old stock. A "dust" bath to give best results should not be too dry and dusty. A bath in a sheltered spot containing rather moist fine earth will be most appreciated and will do the most good. Watch your fowls when they have the chance to pick a place for an earth bath that is entirely to their liking. You will find that moist loam suits them pretty well.

\* \* \*

One KEEP CLEAN is a lot better than many CLEAN UPS. It is a good time now to clean up, use disinfectants freely where needed, get ready for the coming warm weather and then KEEP THINGS CLEAN.

\* \* \*

When through using the eggs for hatching better take the males away from the layers. You get more satisfactory summer eggs for table use when there are no males running with the flock.

## U. R. FISHEL'S AD in this issue will interest you. Read it. STOCK, EGGS AND BABY CHICKS FOR SALE

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South Plainfield, New Jersey

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Until further notice a genuine reduction of 50 per cent on eggs and stock will be in effect. This applies to utility and special qualities alike. Catalogue is free. Communicate with me regarding an advance order for show birds to win next Fall or Winter to be delivered when wanted in perfect condition and training. A small deposit will insure reservation.

Early purchasers will secure my best values selected from hundreds of the finest birds I have ever owned.

C. S. Byers, Orpington Specialist 15 Years, Hazelrigg, Indiana



# Associations and Shows

*Secretaries are Requested to Send in News Items of Interest About Their Shows for This Department*

## A NEW ASSOCIATION IN BUFFALO.

The International Poultry Association, incorporated for five thousand dollars, under the laws of New York State, will hold its first annual exhibition at the Auditorium, Buffalo, N. Y., November 25, 26, 27, 28 and 29, 1913.

The promoters of this new poultry organization are: George Urban, Jr., H. W. Pottle, of Buffalo, N. Y.; Hon. Joseph Russell, of Toronto, and H. A. Rose, of Welland, Canada.

The officers elected for the coming year are: President, Jas. O. Moore; vice-president, H. A. Rose; treasurer, H. W. Pottle, and secretary, J. H. Drevenstedt. The board of directors will consist of nine members, with such well-known and influential business men and poultry fanciers as George Urban, Jr., Joseph Russell, L. H. Bown, Howard Forman, and others to be selected by the stockholders.

The object of the International Poultry Association is to hold in Buffalo each year a high class poultry exhibition, run on strictly business principles, where the breeders from the north, east, south and west, as well as from Canada can annually compete for the

liberal prizes to be offered by this new organization.

Furthermore, as many breeders have arrived at the conclusion that some of our winter shows are held too late in the season, and too many are crowded into one month, the management of the International Poultry Association has decided to extend the show season by holding a show earlier, believing that no better time for holding a show could be selected than Thanksgiving week. Exhibitors who show and win at that time will be in a position to sell their winners as well as other stock to others who exhibit at the later shows. In other words, it will create a new and early market for high class stock.

The judges selected will be announced next month, leading specialists from the East, the West and Canada having been engaged to place the ribbons.

That great interest is being manifested in the coming show, the following letter from W. C. Pierce, the noted poultry breeder and judge of Indiana, is a fair sample of: "Buffalo is located where it should have one of the largest and best shows in the country, and there is no reason why a good bunch of Western exhibitors should not come there."

Similar sentiments have been ex-

pressed in letters received from breeders in different parts of the country, so that the management feels encouraged in its efforts to stage an "All America Show" that will be a credit to the American poultry industry and an honor to the city of Buffalo.

J. H. Drevenstedt, Secretary.

## THE GREAT ST. LOUIS POULTRY SHOW.

Secretary T. W. Orcutt of the St. Louis Poultry Show announces that the great St. Louis Poultry Show will be held in the Coliseum at St. Louis, Nov. 25th to Dec. 1st, inclusive, 1913.

The mammoth Coliseum, in which this great show will be held, is conceded to be the finest show room in the world, and the facilities for handling exhibits are perfect in every detail. It was noted last year that birds were in their proper coops in the show room within thirty minutes after they arrived in St. Louis. Another remarkable feature was that the entire show was completely judged in one day and the next morning a marked catalogue was issued showing the complete awards. These features should be a great incentive for breeders to show at St. Louis this year, for at no other show in the coun-

**U. R. FISHEL'S AD in this issue will interest you. Read it.**



## EGGS ONE-HALF PRICE

**HALF PRICE SALE OF BREEDERS NOW :: :: RHODE ISLAND REDS**

Rose and Single Comb—Chicago, New York and Indianapolis winners. Have you seen the "Origin and History" of R. I. Reds? 56 pages and cover. Will be sent for 20c in cash or stamps. Send for free mating list and free half-price sales list and mention American Poultry Journal.

**BUSCHMANN-PIERCE RED FARMS : BOX 39 : CARMEL, INDIANA**

## Silver Campine Cockerels

## Silver Campine Cockerels

I have 50 cockerels for sale, grand birds, beautifully marked, and now between three and four months old. I guarantee each has been sired by

**1912—Silver King, First Chicago Cock—1912**

Among these are the winners at the 1913 fairs and poultry shows. If interested, write me today.

**FRANK E. HERING, South Bend, Ind.**

Reference: THE AMERICAN TRUST CO., South Bend, Ind.





try is there a marked catalogue issued the second morning which gives the exhibitors five days in which to display their exhibits and distribute advertising matter to the public, and to sell birds and take orders for eggs.

The attendance at St. Louis is very large and no state in the country has so many people interested in poultry as there is around St. Louis within a radius of one hundred miles. St. Louis is rapidly developing into the liveliest market for fancy poultry in the world, which is in accord with the great State of Missouri in its advancement in the poultry enterprise. The manner in which the great St. Louis Poultry Show has been conducted has earned for it the name of the Madison Square Garden Show of the West, and the management anticipates a record-breaking show this year. A complete list of the judging staff will be announced later. For further information regarding exhibit space and premium list, address T. W. Orcutt, 921 Security Bldg., St. Louis, Mo.



**LICE KILLER** Liceall, strongest compound made. Works like magic. Simply put a few drops in nests and hang bottle in coop. Powerful evaporating vapors go into feathers, cracks and crevices. No painting, spraying or dusting. Easy to use. Circular free. Found bottle prepaid 50c. Money back if it fails. Agents wanted W. H. Metzger Co., No. 43 Quincy, Ill.

## Newtown "Giant" Incubator and Brooder

Thousands of Newtown equipments are now in use in every State in the United States but two, and in Canada, Germany, Argentina, Australia and England.

Only great efficiency and superiority of a product can make such distribution possible.

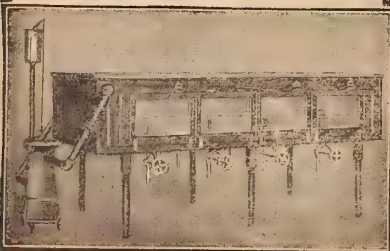
### Safe and Sure

The absolute safety and surety of Newtown equipments is attested by the experience of Messrs. Stillwell and Stillwell, Rosebud, Texas:

"We have been running the little 'Giant' Incubator we purchased from you with great success. We have taken off an average hatch of 115 chicks from each compartment of 150 eggs, which is about 77% of all eggs set. This is the most remarkable hatching we have ever done and we have run a dozen different incubators. The chicks are uniformly the largest and healthiest we have ever hatched.—March 28th, 1913."

Write now for catalog 1, that gives the unvarnished facts regarding the most profitable incubator and brooder that you can buy for your poultry raising.

**Newtown Producing Co.**  
Newtown, Bucks Co., Penna.



### POULTRY CONVENTION.

Massachusetts Agricultural College,  
July 28, 29, 30.

Monday, July 28.

2:00 p. m.—Address of welcome, Professor Edward M. Lewis, Acting President of the Massachusetts Agricultural College.

2:30 p. m.—Address, "Artificial Incubation," Mr. J. L. Nix, Homer City, Pa., President of Prairie State Incubator Company.

3:30 p. m.—Visit to the college poultry plant.

7:30 p. m.—General discussion on "Problems of the Poultryman," led by Mr. Nix, Prof. Graham, Mr. Eastman, and others. This should be one of the most profitable sessions of the convention.

Tuesday, July 29.

9:00 a. m.—Address, "Bacillary White Diarrhea," Dr. George S. Gage, Pathological Department of the Massachusetts Agricultural College.

10:00 a. m.—Address, "Artificial Brooding," Mr. J. L. Nix, President of Prairie State Incubator Company.

11:00 a. m.—Address, "The Human Element as a Factor in Poultry Keeping," Prof. J. C. Graham, Poultry Department of the Massachusetts Agricultural College.

1:30 p. m.—Address, "Poultry Breeding," Prof. James E. Rice, Cornell University, Ithaca, N. Y.

2:30 p. m.—Chalk talk, "Standard Types and Ideals," Mr. Franklin L. Sewall, Niles, Mich.

3:30 p. m.—Demonstration in killing, picking, etc., Mr. C. J. Kelley, foreman of college poultry yards.

7:30 p. m.—Stereopticon lecture, Prof. James E. Rice, Cornell University.

8:30 p. m.—Chalk talk, "Some Practical Points in Type," Mr. Sewall.

Wednesday, June 30.

(This session is held under the auspices of the Massachusetts Poultry Association, with President George S. Eastman presiding.)

9:00 a. m.—"What the Massachusetts Poultry Association Is Doing," Mr. Eastman.

9:30 a. m.—Address, "The Composition of a Pure Bred Flock of Poultry," Mr. H. D. Goodale, Research Biologist in Poultry Department of the Massachusetts Agricultural College.

10:30 a. m.—Caponizing demonstration, Mr. Henry D. Smith, Rockland, Mass.

### INTERNATIONAL SANITARY HOVER

Warmest at curtain—no crowding of chicks. The Rancocas Poultry Farms, the largest and most profitable in the world, use this hover exclusively.

International Poultry Sales Co., Box 511, Brown's Mills, N. J.

### 5000 BABY CHICKS 5000

Strong, sturdy, robust chaps, direct from D. W. Young strain, winners at Boston, Mass.

WHITE LEGHORNS, \$6 per 50, \$9.50 per 100, \$90 per 1,000. Barred and White Rocks, White Wyandottes, R. I. Reds, \$8 per 50, \$15 per 100.

1,000 PULLETS—White Leghorns, ten weeks old, \$1 each. Chance to get stock of good quality at right prices, promptly. Mention A. P. J.

Cloverdale Poultry Farm, Box A, Ransomville, N. Y.

### SILVER CAMPINES

Best English imported and American bred. We have birds in our yards from Capt. Max De Bathe of England. Also Kennedy and other leading strains. Booking egg orders now. Orpington eggs at 1/2 price from Buff, Black and White. None better. Write for prices. Booklet free. Mention Am. Poultry Journal.

C. E. Vass, Washington, N. J.

## \$10 TO YOU

If you know a dissatisfied OCULUM user, who did not get his money back on request from us. We have dissatisfied customers; for OCULUM is not a panacea, and we have had people try to cure Consumption, Gastritis and even a nail in the crop with OCULUM and failed. But back went their money with a letter of instructions. Over 90 per cent of them are now enthusiastic OCULUMITES.

For Cholera, Roup, White Diarrhea and Blackhead you can depend absolutely on OCULUM.

At your dealers or by mail at \$1.00 and \$0.50 per bottle. Testimonials from your state free.

Oculum, Box B. Salem, Va.

## You can now get Certain-teed Roofing guaranteed 15 years

Here is the modern, easy-to-lay economical roofing you have always wanted—a roofing that is weather proof under the most severe conditions—will not ignite from flying sparks and embers—is an insulator from lightning.

You can get **Certain-teed** Roofing in permanent colored shingles, red, green, and slate gray for Residences, Cottages, Bungalows, Garages.

**Certain-teed** Roll Roofing—for all general uses, costs less than metal, tin or wood shingles and is far less expensive to lay.

Look for the **Certain-teed** Label of Quality on every roll or crate of shingles you buy—it is placed there for your protection and will save you money.

### Valuable Book FREE

Get the latest ideas before you build—our new book, "Modern Building Ideas and Plans" illustrates the newest developments in all kinds of model buildings—it suggests economies and conveniences that will save you money.



A book of this kind would ordinarily sell for \$1, but as it shows the different uses of **Certain-teed** Roofing, we offer it to you for 25c. We prefer, however, to have you go to your lumber, hardware or building material dealer, who will gladly get you a copy free. If you write us, enclose 25c to cover cost, wrapping and postage.



**General Roofing Mfg. Co.**

E. St. Louis, Ill., York, Pa.,  
Marseilles, Ill., Minneapolis, San Francisco,  
Winnipeg, Canada

General Roofing  
The World's largest  
manufacturer of  
Roofings and Building  
Papers.



**GRAND CENTRAL PALACE SHOW.**

We believe that many of our readers will be interested in a new departure in show management, to be used this year at the Palace Show, New York City.

I. They will send a leg band marked "Palace" and numbered to correspond with the coop number for each poultry exhibit.

This will assist greatly in the prompt return of any specimen that may go astray in shipment, or should a bird get out of its coop, it can be easily identified. An exhibitor sending two birds of the same kind will know at once which bird was placed, and if two birds are exhibited, and one for sale, it will avoid error.

II. The shipping tag will contain complete record.

A. Instructions for shipping to and from the show.

B. Coop number in goldface type, similar to that on coop, and readily distinguished from class numbers.

C. Class numbers will be in small figures, and variety will be written out, thus: Class No. 1, Barred Rock Cock.

D. Selling price, if any, has been given.

E. Space for return shipment valuation.

The express company now insists that the management declare a value. They will declare value at any figure indicated, and if no figure stated, at regular rate and value \$5 per bird.

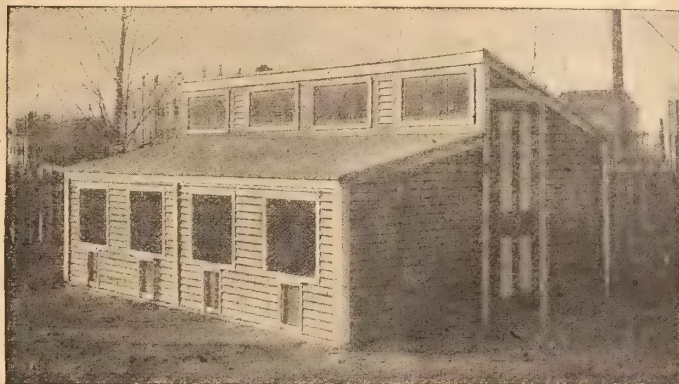
**ANCONA CLUB NOTES.**

The Ancona Club is about to issue its annual Year Book, which will contain a list of members' names and addresses,

considerable live Ancona reading matter, and the book will be profusely illustrated. This book is given wide circulation throughout the United States and Canada, and progressive Ancona breeders should not be left out. Membership costs but one dollar per year, or, together with the official organ of the club, the Ancona World, \$1.25. Breed-

meeting at Buffalo, N. Y., in January, was published in the April issue of the Ancona World, and seems to meet the approval of the majority of breeders.

If Anconas are not better known in 1913 than they have been heretofore, it will not be the fault of the Ancona Club, as the club is distributing tens of thousands of boosting circulars through-



This is an illustration of the two section house put up by the Dyer Portable House and Mfg. Co.; they show a three section on another page in their advertisement and a one section in previous issues. They manufacture a full line of houses, brooders and poultry appliances and issue a catalog which is sent free on request. They are regular advertisers and we can recommend them as being responsible to fill any orders intrusted to them on short notice. Write for their catalogue and mention the American Poultry Journal.

ers will be listed in the book if they join the club at once. Remittance should be sent to R. W. Van Hoesen, President, Franklinville, N. Y.

The Ancona Club is working with the revision committee to get a more satisfactory standard of perfection for Anconas in the next revision of the American Standard. The new proposed standard, as adopted in the annual club

out the country. The result is already manifest in new converts to Anconism and a multiplication of club members. Any Ancona breeder who has either the good of the cause or his own personal advantage at heart should not hesitate to co-operate by sending his dollar to join the club.

President Van Hoesen of the Ancona Club has started out to have the breed-

Eggs for Hatching—June Delivery—Lowest prices ever offered from our best matings. Two settings for five dollars. This is to induce you to try out and compare our special matings. Our birds won out in Cleveland show in 1913. Mention American Poultry Journal when writing.

**BELL VISTA FARM : : : MENTOR, OHIO**

## WARREN'S AUTOCRATS SINGLE COMB REDS

## IF YOUR PRIMARY OBJECT IS EGG PROFIT

Try Pape's Trapnested Strain Single Comb Black Minorcas. They combine superior qualities both as a show bird and utility fowl. Stock and eggs that will hatch at half price. Most prize winners are hatched in June. State your requirements—we will help you.

**Charles G. Pape : Box B-74 : Fort Wayne, Indiana**



# WHITE WYANDOTTES

Bred in line for years, line breeding which has produced the principal winners of the leading shows throughout this country. Bred so they reproduce themselves in their off-springs, year after year. Such is the breeding quality of

## The World's Best Strain

As to utility qualities, they are the best, the highest egg record hen today is a Fishel World's Best Strain White Wyandotte. We have a limited number of cocks, hens, cockerels and pullets for sale which we have listed in our annual sale list. Send for one today, it is full of bargains. Our new catalogue will give all the information obtainable on poultry culture. Mailed for twenty-five cents.

**J. C. Fishel & Son : Box J : Hope, Indiana**



ers co-operate in issuing an elegant colored plate of Ancona fowls, in natural colors. It goes without saying that the enterprise will succeed, as Mr. Van Hoesen never yet undertook any Ancona stunt that he did not carry to a successful finish. It is proposed to have the work done by the best talent obtainable in the country.

There is good reason to expect that the efforts of the Ancona Club to have Anconas illustrated in the new standard will be successful. When live breeders co-operate to accomplish a proposition, it usually has the desired effect.

#### INTERNATIONAL ROSE COMB BLACK MINORCA CLUB NOTICE.

The 1913 edition of the International Rose Comb Black Minorca Club Catalogue is now ready for distribution, and it is the earnest desire of the officers that a copy be placed in the hands of every one interested in this variety and every one who is as yet undecided as to what variety of fowls to breed for egg production.

This catalogue fully explains the different qualities of Rose Comb Black Minorcas, the methods used by the most prominent breeders in caring for them, and many other things of value to all interested in poultry, and especially Minorcas.

This book is for free distribution and will be sent on receipt of a postal asking for it, but if you wish to write a letter and inclose a postage stamp it will be appreciated, and the book is worth it. Over fifty pages. Send for your copy now.

The following officers were elected at the 1913 meeting, held at Boston, January 10: President, A. M. Moody, Boston, Mass.; vice-president, H. A. Keister, Bangor, Mich.; secretary-treasurer,

Lloyd C. Mishler, North Manchester, Ind., to whom requests for club catalogues should be sent.

#### 'BLACK ORPINGTON BREEDERS, ATTENTION!

A strong effort is being made to increase the membership of the National S. C. Black Orpington Club to 1,000 members, the 500 mark having now been passed.

Until the 1,000 mark is reached, the members joining will have their dues extended to Oct. 1, 1914. This gives an opportunity for competing at all the state fairs and county fairs and fall shows, as well as a full year, beginning Oct. 1, all for \$1.

Fanciers of the Blacks are urged to send a stamp to Milton W. Brown, Sta. L, Cincinnati, Ohio, for a club catalogue containing the names of more than 500 enthusiastic breeders of the Black Orpingtons.

#### TO WHOM IT MAY CONCERN:

At a meeting of the Board of Directors of the Georgia Experiment Station, held today, it was found necessary to abolish the Poultry Department of this station, to take effect July 1, 1913. Lack of available funds with which to carry on this work was the one and only reason for taking this action.

This action in no manner reflects upon Mr. Rolf, who has been employed as Poultry Husbandman since July, 1912. During this time he has, with very limited funds, and under great difficulties, established a very creditable poultry department, and achieved a goodly amount of beneficial results from his experimental work. His work has been perfectly satisfactory in every way.

I heartily recommend Mr. Rolf to

any person or to any institution which may desire the services of a competent poultryman. Respectfully,

R. C. Neely,  
Chairman Executive Committee of  
Board of Directors of the Georgia  
Experiment Station.

#### COLUMBIAN WYANDOTTE BREEDERS.

Notice is hereby given to the members of The National Columbian Wyandotte Club, that you are requested to vote for Minneapolis, Minn., for the next annual meeting place of the club. If you are not a member of the above mentioned club, send in your application with (one) dollar which pays for a years dues, to Ralph Woodward, secretary-treasurer, Grafton, Mass., or L. A. Lee, 2832 N. Harding ave., Chicago, secretary for the State of Illinois.

We are pleased to inform our readers that W. Theo. Wittman, who has so successfully managed the poultry department of the great Allentown Fair, Allentown, Pa., for a number of years, will, in addition to the above show, hereafter have sole charge of the Lancaster Fair Poultry Show. Lancaster county, Pennsylvania, is the richest agricultural county in the world, and the Fair and Poultry Show therewith are to be on a scale matching the reputation of the county. This poultry show will be the week of Sept. 29-Oct. 3, or immediately following the Allentown Show, and will, besides having all the good features that have made the latter famous, some new and unique features. Mr. J. F. Seldomridge, Lancaster, Pa., is the secretary of the fair, but all matters relating to the poultry show should be addressed to W. Theo. Wittman, Allentown, Pa.

**U. R. FISHEL'S AD in this issue will interest you. Read it.**

## Rose's Black Orpingtons

**BARGAIN SALE** Having concluded a most successful breeding season we will sell at actually one-half value. Fifty grand low set ma asive yearling cocks, \$5, \$10, \$15 each. Also 200 yearling hens on the low down blocky type at \$5, \$7.50, \$10 and \$15 each. You who are looking ahead for next year's breeders and show stock, write us now and produce birds at rock bottom prices from the largest and most successful breeders of Black Orpingtons in America.

**Hugh A. Rose : Frank F. Conway, Manager : Fonthill, Ontario, Canada**



## Buff Orpingtons

**JUNE AND JULY EGGS AT HALF PRICE**

If you want to know more of the Best Buff Orpingtons in the world, write for the Orpington Fashion Plate Book—it's free. Correctly mated trios, \$15.00; pens, \$25.00 as a June offering.

**A. E. Martz, Buff Orpington Specialist**

—:-

**Box A, Arcadia, Indiana**

## 20th Century Dual Purpose Fowl

### Monmouth S. C. Buff and White Leghorns

Leghorn chicks hatched in June produce the Winter winners for the large shows the country over, especially in the female line. All of our prize matings at half price and a large reduction made in our utility matings. You cannot afford to miss this great opportunity of securing the leading strain of Buff and White Leghorns at greatly reduced prices. During July and August we hold our annual clearance sale which includes many of our New York and Atlanta winners. Write us your fallings in breeding stock and we will try and fill the gap.

**MONMOUTH FARMS**

J. C. Punderford, Owner  
Thomas Lockwood, Supt.

**FRENEAU, MON. CO., N. J.**



## THE MAN WHO "MADE" PART- RIDGE ROCKS.

How many of our readers have noticed the rapidly increasing popularity of the Partridge Plymouth Rock fowl?

At the present rate of increase the Partridge Plymouth Rock will soon rank "First in Beauty," "First in the Nest," "First on the Table" and "First in the Hearts of All Poultrymen."

The "making" of a new fowl requires experience, breeding ability, judgment and painstaking work. The feat of originating the Partridge Plymouth Rock fowl, applying for and securing its admission to the American Standard of Perfection, was accomplished by Mr. S. A. Nofztger, North Manchester, Ind., whose photograph we print below.



Mr. Nofztger has been rightly called "The Partridge Plymouth Rock King." His success with this new breed is well deserved.

Only those who know him best can realize and appreciate his untiring efforts in building and placing into all parts of the world his ideal fowl—The Partridge Plymouth Rock.

**JOHN F. HOLLIS, WHITE WYANDOTTES, NORTH ABINGTON, MASS.**

There are but few if any better known or liked breeders than Mr. John F. Hollis. His great many years of breeding the White Wyandotte and exhibiting his birds in fast company has brought him prominently before the public, and the verdict has ever been the same for all who have met him or have had business dealings with him, like him for what he is and what he has done.

White Wyandottes are his hobby and if memory serves us rightly he was one of their early and first champions and has been faithful ever since to them. For a great many years we have seen his birds at the Boston Show and we have always noted him as a winner. We haven't his complete record at this time to give, but we do know his line and their quality and feel safe in saying that White Wyandottes that win at Boston can win at any show.

In several of our reports of the Boston Show we have particularly referred to Mr. Hollis's birds, for they have the vigor and character we like to see. They are strong birds of good bone and exquisite lines, with fine heads. There is that about them that is neat and desirable with all their size and not bulky. In color Mr. Hollis has exceptional quality, birds in feather pure white with high colored legs and strong red eyes. They are a line worth trying to for successful breeding.

We have twice started to see this line at their home, but have been prevented by conditions, but will hope to pay Mr. Hollis a visit which is due him this fall, for we are most anxious to see this line at home and at their best.

Mr. Hollis has for sale selected breeders, and is booking orders for young birds for the early shows. Write him your wants and rest assured of getting just what you want from him. Please mention A. P. J. in writing him. H. P. Schwab.

E. H. Lichtenwalter, Girard, Pa., the well-known breeder of Quality Buff Plymouth Rocks, is offering some great bargains this month in high quality cocks and cock-

erels. He is also offering for sale his first Philadelphia cock, first Williamsport cock and first Cleveland cock. There is no better blood in the country than this and they are offered at bargain prices. Write him at once and get first choice.

F. L. Poultry Farm, Rhode Island Reds have won their share of ribbons and cups at the prominent shows in the past. At the late Cincinnati Show, they won as follows: On Rose Combs—1, 2, 3 cocks; 2 hen; 2, 4, 5 cockerels; 1, 3, pullets. On Single Combs—2, 3 cocks, 2, 3 hens, 6

cockerel, 5 pullet; 1, 3 pens. Also silver cup for best display Single Combs and special for shape and color on Rose Combs. \$5.00 gold special for champion female. Have also won 1st hen New York and Pittsburgh. They report egg and baby chick business booming. Baby chick orders booked up to June 25th. They are now offering a few of their choice birds at bargain prices. Here is a good opportunity to get something with blood-lines back of it, as their birds have been bred in line since 1900. For further information address F. L. Poultry Farm, R. F. D. No. 1, Verona, Pa.

## Rose Comb White Orpingtons

Trios, \$10.00; pens, \$15.00. Coming boom breed.

Mention A. P. J.

E. O. HEATON, SCIRCLEVILLE, INDIANA

## Shields' S. and R. C. Reds

Winners at leading shows wherever shown. Young stock and last season's breeders and exhibition birds at reasonable prices. No better breeding. Write today.

Chas. Shields : Library Place, North Side : Pittsburg, Pennsylvania

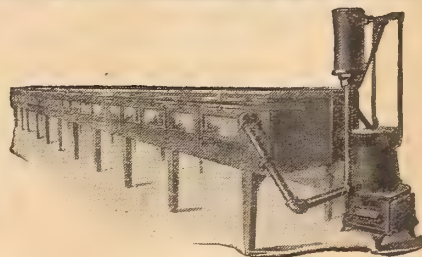


## THE O. K. SANITARY DRINKING FOUNTAIN

Well made of galvanized steel throughout. The pan from which the fowls drink is seamless, being stamped up from a disc of sheet steel, and galvanized after stamping—this makes it most durable. The water is poured in at the top the same as into a pail, and the detachable valve, which can be removed and replaced instantly, makes the O. K. Fountain the easiest to keep clean, and consequently most sanitary. The double wall construction keeps water cool and fresh in Summer, and prevents freezing in Winter. Made in three sizes for chicks and fowls. Let us send you our catalogue No. B-20 which gives complete description of these drinking fountains, and several other new labor-saving poultry yard devices. Mention American Poultry Journal.

THE OAKES MFG. CO. : TIPTON, IND.  
CANADIAN WAREHOUSE - - 413 SYMINGTON AVENUE, TORONTO

## HALL MAMMOTH INCUBATOR



is the original mammoth incubator.

## SEND FOR ALL MAMMOTH INCUBATOR CATALOGUES

Compare the lists of prominent and successful poultrymen using each machine.

Compare the average size of the installations.

Compare the increases in capacity.

Compare the reports of the machine after prolonged use.

Compare the hatching percentages reported by customers.

Compare the customers reports of chicks raised to maturity.

Make this comparison fairly and thoroughly.

We will then book your order.

THE HALL MAMMOTH INCUBATOR COMPANY

132 SOUTHERN AVENUE

LITTLE FALLS, N. Y.



# AUTOMATIC SANITARY TRAPNEST

Made of sheet metal, vermin proof, strong and durable. Requires no attention. Operated exclusively by hens, separating layers from drones. Cheapest, best, simplest. Write for free booklet or agency.

Automatic Sanitary Trap-Nest Co. : : Duluth, Minnesota



## FOXHURST FARM CHAMPION BLACK ORPINGTONS

Make a world's record at Madison Square Garden. Winners of all five first prizes. Of thirty birds entered twenty-two wore ribbons. Our birds have been scientifically line bred for nine years, and have been largest winners at New York for the past five. **Annual June Sale of World's Champions**—Our Madison Square Garden winners at reasonable prices—on approval—eggs from all winning pens, \$10 and \$5 per 15. **Look!**—Ten fertile eggs to a setting guaranteed. From America's champion exhibition and laying strain. Mention this magazine.

Foxhurst Farm, Lime Rock, Connecticut



## FREE

Rich, Beautiful Catalog of  
**ARISTOCRATS**  
Write today

**W. D. HOLTERMAN**  
FANCIER, BOX A, FT. WAYNE, IND.

## MOUNT PLEASANT FARM SINGLE COMB WHITE LEGHORNS

### BRED-TO-LAY

1,000 breeders, \$1 each; pullets, ten weeks old, \$1 each; cockerels, ten weeks old, \$1 each. Safe delivery and satisfaction guaranteed. Send for our free booklet, "Modern Successful Poultry Farming."

Mount Pleasant Farm, Mount Pocono, Pennsylvania



## SPECIAL SALE WHITE RUNNERS

We have a fine lot of select breeders in White Indian Runner Ducks we are going to close out during June and July at the low price of

**\$15 PER TRIO**  
**REGULAR \$25 VALUE**

Order quick and secure some of these choice Runners. Eggs, \$4 per 15, \$20 per 100.

Mrs. U. R. Fishel, Box A, Hope, Indiana

## PARTRIDGE ROCK BARGAINS FOR JUNE.

A letter just received from Mr. S. A. Nofztger, of North Manchester, Ind., the originator of the Partridge Plymouth Rock fowl, states that he has nearly two thousand young chicks, with good prospects of having twenty-five hundred by June first, and on that account he has changed his ad in this issue and is offering a "June Bargain Sale." In short, Mr. Nofztger purposes to sell a large number of his breeders and during the month of June will offer several nice breeding trios at \$15.00, \$17.50, \$20.00 and \$25.00 per trio. He also offers a few splendid breeding pens at \$25.00, \$30.00 and \$35.00 per pen, and best of all he guarantees these birds to be satisfactory or they can be returned prepaid and the purchase price will be refunded.

This certainly is a fine opportunity for our readers to secure some of Mr. Nofztger's "Best in the World" strain—to get a few direct from "the fountain head."

Besides offering these trios and pens at about one-half what they are worth, Mr. Nofztger will now sell eggs at one-half the regular price of baby chicks for the regular price of eggs.

Many of our readers have already sent for and received Mr. Nofztger's latest mating booklet and consequently know the quality of his matings; those who have not received this booklet should send for it at once and don't fail to state in your letter that you read of his "June Bargains" in this paper. And, by the way, don't overlook those low prices on trios and pens.

Mr. Nofztger states that he is better prepared than ever to furnish high class exhibition birds in either young or old stock for the early fall fairs or shows. It would pay you to write him immediately regarding your future requirements and thus take advantage of a "sacrifice summer price."

### A NEW FIRM.

The Cherry Lane Farm Co., Oak Hill, W. Va., has been granted incorporation papers and are taking over the entire farm with its stock and equipment that was formerly owned by Mr. O. Wilson, Carlisle, W. Va.

Prominent among the poultry features that were included with the sale was the pen of Single Comb Buff Orpingtons that were awarded first place among all the Orpingtons entered in the egg-laying contest at Storrs, Conn., last year, and the pen that is entered there this year and which have already won distinction in the second contest.

Mr. Wilson has been retained as manager for the new company and assures us that never at any time will quality be sacrificed to quantity. His old system of trap-nesting and pedigreeing will be continued, and indications now show that he will be able to mate approximately 125 females next year that have made records of 165 or more eggs.

The new company will have some hatching eggs to spare under the half-price rule and interested parties should address either Mr. Wilson or the company at Oak Hill, W. Va., to get in on the bargains that are offered.

### LICENE KILLS THE LICE.

When other lice-killers fail, try Licene; it does the work every time. Send to the Licene Co., Pontiac Bldg., Chicago, Ill., 50c and they will send you enough Licene for 200 birds. Read this testimonial:

3854 Byron St., Chicago, Feb. 28, 1913.  
Gentlemen: After unsuccessfully using almost every known "lice killer," both in the powdered and liquid form, I bought a box of Licene at the Chicago Show last December. It has killed every louse and "nits" on my birds, and have saved at least 25 per cent in feed bills. Not a louse on my chickens now. Shall recommend Licene as the best and most scientific lice exterminator on the market.

Dr. R. H. McKenzie.

### "CASEY JONES TO OCULUM."

Come all ye chickens if you want to hear The story of "Oculum" that cures white diarrhea; Gapes, cholera, roup, hide in shame From "Wondrous Oculum" of world-wide fame.

Hawkins and Fishel say it's all right, 'Tis highly endorsed by William Ellery Bright; Latham, Blair and Foxhurst Farm Use "Oculum" always and fear no harm.



## MORE CHICKS—LESS TROUBLE.

"The International Sanitary Hover," says the catalog of the International Poultry Sales Company, "raises more chicks and less trouble than any other brooding device ever invented."

The claim is amply borne out by the hundreds of testimonials contained in the catalog. Among the warm endorsers of the Sanitary Hover are Kellerstrass, Owen Farms, Wm. Cook & Sons, and Rufus Delafield. There are numerous testimonials from all classes—from beginners in the business as well as from concerns of worldwide reputation.

Perhaps the chief distinguishing feature of the Sanitary Hover is the fact that it is several degrees warmer near the curtain than at the center. This, by preventing crowding, trampling, and smothering of chicks, insures a high percentage of strong, robust birds from every hatch. Other important features are the fact that the hover can be used anywhere, which makes unnecessary an expensive brooding house; the fact that no cutting of holes or building of platforms is required to set the hover up; the fact that there is no danger of fire where the Sanitary Hover is used; and the fact that the lamp can be lifted out through the top by a person standing up, which renders it unnecessary for the operator to go down on his knees in the dust or mud.

As a grower of green food, the Sanitary Hover cannot be excelled. In eight days it will transform 12 quarts of oats into enough egg-making green food to feed 500 laying hens for 3 days. This makes the hover practically an all-the-year-round device.

Full description of the Sanitary Hover will be found in the catalog of the International Poultry Sales Co., which will be sent free to any person dropping a line to the headquarters at Brown's Mills in the Pines, N. J.

## SETTING UP A CANDEE.

Work Done in Less Than a Day on a 1,200-Egg Machine.

The installation of the Candee incubator has been perfected to such an extent that it only takes a short time. Customers were asked how much time they spent in putting their incubator together and their replies show that on the average a 2,400 egg (four section) machine is ready to run in one day. This is not surprising because all one has to do is to uncrate the sections, set them on the legs and couple up the pipes, which come all cut to length. One man did the work with simply an 18-inch Stilson wrench.

Almost all the Candee customers put their machines together themselves and thus save the expenses of a representative from the factory. This saving increases the farther the customer lives from the factory, and it sometimes amounts to over \$100. As a rule, the manufacturers require the purchaser to pay the railroad fare, traveling expenses and board. When this is added to the cost price it is quite an expense and well worth saving. If our readers wish to know more about the Candee, they can get a catalogue free by addressing Candee Incubator and Brooder Co., Eastwood, N. Y., Dept. 2.

Any of our readers who have not equipped themselves with a good sprayer should write to the E. C. Brown Co., 52 Jay St., Rochester, N. Y., and ask for their latest book and catalog on spraying and spray pumps. They make all kinds and sizes and their prices are mighty reasonable, considering the splendid quality and fine, improved features that they offer in their sprayers. Their free book is full of the right sort of information. When you get this book you will find all the information you need, good advice about when to spray, and good receipts for making up different solutions for whatever your needs may require. You will also find that these sprayers are good for using whitewash solutions to spray poultry houses, cattle sheds and all that sort of thing. Send the postal today.

Aug. D. Arnold, Dillsburg, Pa., the well-known breeder of White Faverolles and Campines, is offering eggs at greatly reduced prices this month. Faverolle eggs, \$6 per 15; \$10 per 30. Campine eggs, \$5 per 30; \$12 per 100. This information was not received by us in time to make change in his ad this month. Therefore order direct from this notice and save time.

## BLACK LANGSHANS and INDIAN RUNNER DUCKS

Selected breeding cockerels a specialty. Satisfaction assured. Prices right. Mention A. P. J. when writing. **MRS. F. LITTLEFIELD, BOX A, MIDDLEBURG, MARYLAND**

## FLUFFY RUFFLES BARRED ROCKS

The world's champion strain continues to win wherever shown. I am in a position to furnish from this world's champion female line choice selections of stock or eggs to all those wishing the best.

**WELLESLEA FARM POULTRY YARDS, C. H. WELLES, PROP., STRATFORD, CONNECTICUT**

## PALMER'S WHITE ROCKS

FOR SALE—All of this season's breeders at \$3 and \$5 each. A good chance to get fine stock at reasonable rates. Write your wants; satisfaction guaranteed. "The Glen" Poultry Farm, Box A, Fairport, New York.

## BUFF ORPINGTONS

Eggs one-half price. Send for mating list. Mention American Poultry Journal.

**Frank C. Cleveland, 10802 Longwood Blvd., Morgan Park, Illinois**

## Barred Rocks

**WINNERS AT MADISON SQUARE GARDEN**  
SPECIAL—I am now offering at reduced prices some of my breeding females and pullet bred cockerels. Write for particulars. Satisfaction assured. Mention A. P. J. C. N. Myers, Box A, Hanover, Pennsylvania

## BARRED PLY. ROCKS, WHITE WYANDOTTES AND S. C. REDS

Superb color, grand type, consistent winners. Look up our records at Detroit, Guelph, Toronto, London and Ottawa.

**The Woodview Poultry Yards, Jno. Pringle, Prop., W. W. Dods, Sup't, London, Canada**

## ROSE COMB REDS

**BEAN STRAIN**—Big winners at Pittsburg, Cleveland, Boston and Chicago. The dark, rich brilliant kind. We now offer for sale a fine bunch of breeders same as we have been using ourselves all through the breeding season. Our females range in price from \$1.50 to \$25.00 each. Male birds from \$25.00 to \$100.00 each. We certainly have some bargains in Reds. All we ask is a chance to prove it. Everything sold on approval. Write us at once and mention A. P. J.

**Simmons & Crittenden -:- Geneva, Ohio**



## S.C. BROWN LEGHORNS

## ONLY THE BEST—PRIZE WINNERS

The kind of birds the fancier loves to raise. I won 1st on cockerel, 3d on cock, at the Boston show, 1907; 2d and 5th cockerel, 3d and 5th cock, 3d and 6th hen, Boston, 1908; 1st on cock, 3d on pullet, at Madison Square Garden Show, 1905; 1st on cock, 2d and 3d on cockerel, 1st on pullet, 1st on pen, and 10 special premiums at Chicago show, 1905, winning fifteen prizes on eight birds. At Chicago, December 1909: 1st and 2d cock, 1st and 5th cockerel. First cock, 1st cockerel at the Great Chicago Show, 1910. Chicago, 1911, 1st cockerel, 2d cock. A choice lot of show and breeding stock. Circular showing my winnings free. Write now. Address

**W. H. WIEBKE Box P 348 FORT WAYNE, IND.**



## IDLEWOOD POULTRY FARM

**CHAMPIONS**—our standard is perfection and honesty. Each bird that we have mated has the stamp of quality and we give our customers eggs or baby chicks from the same pens that we use for ourselves. We specialize the following breeds. Single and Rose Comb Rhode Island Reds and White Orpingtons.

**Baby Chicks**—Eggs for Hatching—We have a hatchery with a capacity of 100,000 chicks, and thus enables us to furnish you with any number. Our winnings at the great Pittsburg and Erie shows are as follows: Single Comb Rhode Island Reds, 1, 4, 5, 7 cockerels; 1, 8 pullets; 1, 2, 6 pens; 3, 4 cocks; 4 hens. Four specials for type and color. Rose Comb Reds, 1, 2, 3 pullets; 2, 7 cocks. Two specials for type and color. Write us for catalogue and prices.

**IDLEWOOD POULTRY FARM**

**SWANVILLE, PA.**



## At Half Price

**PARKS' BRED-TO-LAY BARRED PLY. ROCKS**

## EGGS AND CHICKS

Now is the chance to get started with small investment in the oldest and greatest laying strain of today. Large catalogue and chick circular free.

**J. W. Parks, Box J, Altoona, Penna.**



## STOP YOUR BUSINESS LOSSES! STOP THE MORTALITY!

Healthy Stock, High Efficiency, Spells Success

**Chicure Remedies** are essential to the successful poultry breeder. That's what they all tell us. Roup prevails more or less at all times. **Chicure Roup Cure** effectively wipes it out, 25c, 50c, \$1. Keep your little fellows, you want them all. **Chicure White Diarrhea Cure** will save them, 50c, \$1. Lice are making their appearance. You can't raise lice and chickens together. **Chicure Lice Powder** will quickly dispose of these life sucking parasites. **Chicure Preparations** are fully guaranteed to do the work thoroughly. Write for free booklet, giving your dealer's name. Agents wanted.

KING REMEDY CO. : DEPT. A : ROCHESTER, NEW YORK

# BABY CHICKS

AT REDUCED PRICES DURING JUNE, JULY AND AUGUST



Over 50,000 chicks for delivery during these months. Chicks are all hatched from good pure bred stock that has won many prizes in the leading shows.

Order Direct from This Ad.

	Per 25	Per 50	Per 100
S. C. White Leghorns.....	\$2.00	\$4.00	\$ 8.00
S. C. Brown Leghorns.....	1.78	3.75	7.00
Barred Plymouth Rocks...	2.50	5.00	10.00
Rhode Island Reds.....	2.50	5.00	10.00
Broiler Chicks.....	1.63	3.25	6.50

Get your orders in now for prompt delivery. Catalogue free.

20th Century Hatchery, Box 73, Chatfield, Ohio

# 100,000 CHICKS FOR JUNE AND JULY DELIVERY

All exhibition and special mated chicks go with utility stock at utility prices—Buy our "better hatched" chicks; they cost no more than ordinary stock; they are bred right, hatched right and shipped right. Sold at low prices because we hatch thousands while others hatch hundreds. Stock bred for vigor and laying qualities. Why pay higher prices for chicks that are inferior. Order direct from this ad to save time or send for our large catalogue. A hatch each Tuesday.

S. C. White Leghorns in thousand lots a specialty, S. C. Brown Leghorns, S. C. Buff Leghorns, Barred Rocks, \$3.00 for 25, \$5.50 for 50, \$10.00 for 100, \$45.00 for 500. White Rocks, S. C. Black Minorcas, S. C. R. I. Reds, R. C. R. I. Reds, \$3.50 for 25, \$6.50 for 50, \$12.50 for 100, \$55.00 for 500. White Orpingtons, Buff Orpingtons, Columbian Wyandottes, White Wyandottes, \$3.75 for 25, \$7.00 for 50, \$13.50 for 100. Mixed Broiler Chicks, \$8.00 for 100, \$40.00 for 500. Orders filled promptly. Safe delivery guaranteed. Send postoffice order for full amount with order. Remember you will receive some of our 50-cent chicks in each lot you order. Mention American Poultry Journal.



The Co-Operative Breeding & Hatching Co., Box A, Tiro, Ohio

Louis Lee Haggin, proprietor of the Russell Cave Poultry Yard, Lexington, Ky., is now prepared to furnish a limited number of cockerels and pullets, all early hatched birds, from \$5.00 up. These are from a hatching of one thousand chicks hatched during January and February and at the prices he is offering them they are bound to please the purchaser. The Russell Cave Poultry Yard is devoted exclusively to the breeding of White Orpingtons, and the birds produced and exhibited by these yards during the past few years have made wonderful records as prize winners. The hen, "Lady of the Cave," which is claimed to be the greatest White Orpington hen in this country, won first at the Missouri State Poultry Show, first at Allentown, first at Augusta and first at the Texas State Fair.

Mr. Haggin's birds are also making a grand record as egg producers and in the Missouri Egg Laying Contest for the month of February his White Orpington pen won the silver cup. This pen is entered at this contest as "Kentucky."

Elsewhere in this issue will be found an offer wherein Mr. Haggin is giving away \$190.00 worth of his White Orpingtons and White Orpington eggs to subscribers of American Poultry Journal who can write the best article on ten reasons why the White Orpington is the best utility fowl. There is absolutely no strings to this offer, with the exception that those who enter this contest must be subscribers of American Poultry Journal. Don't overlook reading this liberal proposition.

H. N. Hanchett, the White Wyandotte Specialist, Vineyard Haven, Mass., informs us that he is moving back to his old home at Jackson, Mich., and that after July first he will be permanently located there. He has had a large number of White Wyandottes grown for him this season from his New York and Chicago winners, and all these superb breeders will be taken home with him. Mrs. Hanchett is devoting her time to breeding Blue Orpingtons and expects in the very near future to be in position to offer for sale some excellent specimens. Mr. Hanchett was located in Jackson, Mich., for many years, where he produced some of the best Buff Cochins ever produced in this country, and it is his aim to do the same thing in White Wyandottes.

Maurice F. Delano, successor to Owen Farms, Vineyard Haven, Mass., has just issued a special circular in which he is offering eggs at greatly reduced prices during the summer months. He is also making a special stock sale in which he offers five pens in Buff and White Orpingtons, White Rocks and White Wyandottes, exactly as they are mated and listed in Owen Farms mating list for 1913. He is also offering for sale any or all of the listed pens in Single Comb Reds and Black Orpingtons. All these pens he is offering at prices that will move them quick. He expects to issue a large illustrated catalogue early in September. Our subscribers should get on his mailing list at this time to get his new catalogue as soon as issued. Send for a copy of this special summer circular and mention American Poultry Journal.

Ira C. Keller, Prospect, Ohio, is making a sacrifice sale of 500 head of Wyandotte breeders, and is now selling eggs at half price from his choice matings. His special sale of breeders includes many of his prize winners, and he is offering them at prices that will move them quick. Look up his ad in this issue.

**\$60 PER HEN PER YEAR**

SEND A POST CARD TODAY for The "Why and How of the Miller System." You will see that we positively guarantee each hen will net \$60 per year. Show our guarantee to your lawyer. Address: MILLER SYSTEM COMPANY, 15 7th St., Binghamton, N. Y.

**FREE BOOK**

## PAGEL'S PERFECTION SANITARY CHICK FOUNTAIN AND FEEDER



The most perfect chick fountain made. Does not spill the water when inverted. Supplies the water, feed or grit automatically. Inquire at your dealer, or send direct postpaid for 25 cents. Write for free descriptive circulars.

PAGEL POULTRY SUPPLY CO.  
Lock Box 211, Rockford, Illinois

Mrs. of the Pagel Non-Freezing Fountains and Pagel Non-Clog Economy Dry Feed Hoppers.



# CLASSIFIED ADS

UNDER this heading ads will be inserted for seven cents per word each month for less than three months, and five cents per word each insertion for three months or longer. Changes in copy allowed every three months. Numbers and initials count as words. All ads will be inserted under classified headings. No ads accepted at less than an average of sixty cents per insertion. Terms, cash with each ad. Count the words carefully to avoid delay in publishing. Write your copy plainly, as upon this the correctness of your ad largely depends. When placing your ads remember that advertisers using Classified Ads get better returns from AMERICAN POULTRY JOURNAL than from any other poultry journal—none excepted. On writing any of these advertisers mention A. P. J. All copy for Classified Ads must reach us by the 17th of month preceding date of issue.

## PLYMOUTH ROCKS.

**POLEY BUFF CHICKS**—Advantageous prices. Circular free. W. R. Hobbie, Bank Building, Kankakee, Illinois. 12-12-1f

**HIGH CLASS WHITE** Plymouth Rocks, Fishel Strain, 30 eggs \$1.50. 100 eggs \$4.00. George Lehmkohl, Box 182, New Bremen, Ohio. 6-7

**\$3.75 PER 100, \$1.00 per setting.** Eggs from mammoth Barred Rocks. Weight to 16 lbs. Howard Irvin, Polo, Ill. 6-8

**WHITE ROCKS (FISHEL STRAIN)**, reduced prices; state your wants; free catalog. White View Poultry Yards, Mishawaka, Ind. 6-8

**EGGS FOR HATCHING** from Champion Buff Rock Cup Winners of the Buff Rock, 1913, Club Meeting. We have 7 pens mated up, all winners. Eggs \$10.00 and \$5.00 per setting. Vierheller Bros., 17 Sylvania Ave., Pittsburgh, Pa. 6

**200 FISHEL WHITE ROCKS** for sale. 30 eggs \$1.50; 100, \$3.50. Henry Heitkamp, New Bremen, Ohio. 6-7

**HATHAWAY'S BARRED ROCKS.** Eggs \$3.00. Geo. C. Hathaway, Sheldon, Ill. 6-8

**BUFF ROCKS.** Eggs, \$1 per 15, \$5 per 100. Nugget strain. Clara Orr, Kirklin, Ind. 5-6

**BRED TO LAY BARRED** Plymouth Rocks. Eggs, \$1.00 per 13. J. P. Randell, Rogers Park, Illinois. 5-6

**CHILDS' PARTRIDGE ROCKS** winners at the big shows. Eggs 1/2 less than most breeders. Circular. Samuel Childs, McKeesport, Pa. 5-7

**WHITE ROCK EGGS.** Bargains in Breeders, Winners and Utility Stock. Hoch & Frederick, Chambersburg, Pa. 5-7

**"FISHEL" WHITE ROCKS.** Eggs, \$1.00 per setting, \$5.00 per 100. Mrs. Gilbert Luyster, R. 4, Franklin, Ind. 5-7

**BARTLETT'S BUFF ROCKS**, winners at Chicago, Cleveland, Columbus. One pen, cockerel and 9 pullets, average over standard weight, \$30.00. Satisfaction or no sale. M. A. Bartlett, Canton, Ohio. 5-7

**COLUMBIAN ROCKS.** Eggs from Toronto winners \$3 per 15. Circular free. P. C. Gosnell, Ridgetown, Ontario, Canada. 4-6

**26 EGGS \$1.00; \$3.50 per 100.** Thompson's "Ringlet" strain of pure bred Barred Plymouth Rocks. Write for circular. Frank Moore, Madison, Ind. 3-7

**"LARGEST" BARRED ROCKS** in the world. Fifteen years line-bred for weight and exhibition. Hens weigh 10 pounds. Matings contain Rochester, N. Y., first prize cockerel-mating and sons of this male. At Illinois State Show, 1913, won first prize exhibition cockerel, first prize pullet mating pen, second prize hen, cockerel-bred, on entry of 8 birds. All matings scored 90 to 93 by Schwab, Pierce, Russell, McCord, Holden. Largest exclusive Barred Rock farm in Illinois. Eggs, \$2.00 15, \$5.00 45, \$10.00 100. Luther J. Hall, Kenney, Ill. 11-12-1yr

**"RINGLET" BARRED ROCKS** win at the great St. Louis show, 1912. 1st cockerel, 2d pullet, 2d pullet mated pen. Eggs \$3.00 to \$5.00 per 15. Your inquiry cordially invited. E. B. Thompson strain direct. E. A. Webb, Ewing, Ill. 4-6

**PARTRIDGE PLYMOUTH ROCK** cockerels for sale, \$2, \$3, \$5, \$10 each. Eggs, \$1.50, \$2.50, \$5, \$10 per setting of 15. Orders will have prompt and careful attention. G. M. Spurgeon, Worden, Ill. 4-6

**FISHEL WHITE ROCK** Eggs. Fancy pens, \$3.00 per 15; utility, \$1.50. Mating list free. T. F. Richardson, Evanston, Ill. 4-6

**WHITE ROCK EGGS** and chicks. Direct Fishel blood, 15 eggs, \$3; 50, \$5. Will replace infertile eggs. Chicks, 25, \$5.00; 50, \$9.00; safe delivery or replace. Everything we sell guaranteed first quality or money back. \$10 orders prepaid. Fairview Training School, Frenchtown, N. J. 4-6

## LEGHORNS.

**PEN OF WYCKOFF'S S. C. WHITE LEGHORNS:** ten hens and a fine cockerel cost \$30; will take \$25, or \$5 for cockerel and \$2.25 each for hens. Jesse H. Richardson, Toboso, Ohio. 6

**BLANCHARD WYCKOFF SINGLE COMB** White Leghorns; large eggs, 100, \$3.50. Prospect Hill Farm, Glen Ellyn, Ill. 6

**200 SINGLE COMB WHITE LEGHORN** hens, Young's and Wyckoff's strains direct, \$1.00 each. Eggs, 30, \$1.50; 100, \$3.50. White Feather Farm, New Bremen, Ohio. 6

**PULLETS FOR SALE**—12 weeks old Single Comb White Leghorns. Satisfaction guaranteed. Harry Palmer, Middleport, N. Y. 6

**FOR SALE**—200 laying Single Comb Brown Leghorn hens. A. F. Lehman, Toulon, Ill. 6-8

**100 (YOUNG'S) WHITE LEGHORNS** for sale. 30 eggs \$1.50; 100, \$3.50. Henry Heitkamp, New Bremen, Ohio. 6-7

**YOUNG STRAIN S. C. W. Leghorn** Eggs. Pure white, good shape, and great winter layers. Bargain prices: 15, \$1.00; 50, \$2.25; 100, \$4.00. Fertility guaranteed. Woodlawn Farm, Sterling, Ill. 6

**BLANCHARD WYCKOFF SINGLE COMB** White Leghorns. 30 eggs, \$1.25; 100, \$3.50. Hens \$1.00 this fall. Catalogue. W. Albers, Lombard, Ill. 6-8

**UTILITY S. C. WHITE** Leghorn Hatching eggs. Price \$5.00 per 100. Anna Dean Farm, Barberton, Ohio. 6-7

**"AMERICAN QUALITY" SINGLE COMB** Buff Leghorns. "Bred for Eggs, but they Win." Egg records, 180-224 yearly. Stock, eggs, chicks priced right. Mating list. L. M. Munger, De Kalb, Ill. 5-6

**\$3.50 PER HUNDRED** guaranteed fertile eggs. Welday's Vitality Strain Single Comb Brown Leghorns have a 7-year flock average egg record of 211 eggs per hen yearly. World's Leading Layers. Price Smasher Catalogue Free. Record laying hens for sale. Males. K. K. Welday, Seville, Ohio. 5-7

**WHITE LEGHORN EGGS** from highest quality, healthy egg strain. "Northern Bred" stock. \$5.00 per hundred, free delivery during May and June. Order or get booklets. Point o' Pines Poultry Farm, Reserve, Wis. 5-6

**S. C. W. LEGHORNS.** My pens contain winners at Chicago and other shows, as fine birds as you will find anywhere. My prices are as low as you pay for ordinary stock. Write me your wants. I will please you. Robt. T. Brown, R. F. D. 4, Springfield, Ill. 5-7

**SINGLE COMB WHITE LEGHORNS**—Choice matings, 15 eggs \$1.00; 100, \$5.00. Satisfaction guaranteed. R. C. Cooper, Downers Grove, Ill. 4-6

**WHITE LEGHORNS**—Business birds, good size, healthy and vigorous; bred for high class commercial purposes. Breeders are yearling hens. Eggs, \$6.00 per 100; chicks, 15 cents, or \$12.50 per 100. Send for booklet. W. B. Candee, DeWitt, N. Y. 3-6

**SINGLE COMB BUFF LEGHORNS.** Standard bred. 15 eggs, \$2.00. Mrs. Joseph B. Ruff, Hammond, Ind. 5-7

**S. C. BUFF LEGHORNS** from Chicago prize winners. Eggs, \$3, \$2, \$1. Chicks. F. P. Rosenberger, Tiffin, Ohio. 3-6

**S. C. BROWN LEGHORNS**—Farm raised and bred to lay; eggs for setting, \$1.00 for 15; \$5.00 for 100. Day-old baby chicks, 15c each. F. L. Simonin, Goodland, Ind., R. R. No. 1. 4-6

**ROSE COMB BROWN LEGHORNS**—Boston, New York, Pittsburgh, Cleveland and Chicago winners. Eggs \$1.00, \$2.00, \$3.00 per 15. Both matings, 100, \$10.00. Three extra good show cockerels \$5.00 each. No catalogues. Freedom Poultry Yards, Freedom, Pa. 4-6

**SINGLE COMB BUFF LEGHORNS** as bred by the oldest continuous breeder of this bird in America. Write for circular if you want the best at living prices. S. M. Keltner, Anderson, Ind. 4-6

**50,000 LEGHORNS**—All varieties stock, eggs and day-olds. Poultry, collic, hare catalogue, stamps. Failing Poultry Farm, La Fargeville, New York. 4-6

**"MICHIGAN'S BEST BLACK LEGHORNS."** Heavy layers. Free mating list. R. Lane, Charlotte, Mich. 4-6

**SINGLE COMB BUFF** and White Leghorns. Utility and exhibition strain combined. Mated with the utmost care to produce the best possible results. Our show records cannot be beaten. Buffs, \$3, \$2 and \$1. Whites, \$1.50 and \$1 per 15 eggs. S. A. Mensch, 86 Walnut St., Forty Fort, Pa. 4-6

**SINGLE COMB WHITE LEGHORNS.** Very white. Heavy egg strain. Scoring to 96. Winners Columbus, Toledo, Dayton, etc. Large sized. Satisfaction guaranteed. I. R. Mankel, Upper Sandusky, Ohio. 4-6

**BUFF LEGHORNS,** Single Comb, grand colored, large birds. Prize winners and real egg producers. Stock for sale. Eggs, \$2.00 per 15, or \$10.00 per 110. Eggs, \$1.00 per 15, or \$5.00 per 110. Geo. C. Schwegman, Richmond, Indiana. 3-6

**CAN SPARE A FEW EGGS** from an extra choice mating of my prize winning S. C. White Leghorns at fifteen cents each. H. C. Lloyd, Hobart, Okla. 2-7

**FISK'S ROSE COMB BUFF LEGHORNS** are Madison Square winners; great layers; catalogue free. Howard J. Fisk, Box A, Falconer, N. Y. 10-12-1 yr. 2-7

**WYCKOFF—S. C. WHITE LEGHORNS.** Special breeding cockerels. Order eggs now, delivery when desired. E. R. Mosser, Hendricks, W. Va. 1-6

**BLANCHARD-WYCKOFF S. C. W. Leghorns.** Twenty years with these strains. Hatching eggs, day-old chicks great specialties. Largest orders filled promptly, fully guaranteed. Circulars. Furnished foundation stock for Corning plant, Bound Brook, N. J. C. N. Reynolds, Canton, Pa. 2-7

## WYANDOTTES.

**COLUMBIAN WYANDOTTE EGGS REDUCED** to \$1.50 per fifteen from high class stock, all bred from prize winners, standard markings and shape. Large, vigorous birds raised on free range. Heavy winter layers. Fertility guaranteed. Choice breeders very reasonable after June 1. Arthur Schaack, 605 Robns Ave., Detroit, Mich. 6

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**WHITE WYANDOTTE** 95-point scored males. Eggs, \$1.25 per 15. John F. Qualls, Temple Hill, Ill. 4-6

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**PEN CRYSTAL WHITE ORPINGTONS** \$10.00. From my breeding pens, large, white birds with shape. Cockerel worth price asked for pen. Birds from \$100.00 Kellerstrass trio. Roy Bowman, Albany, Wis. 6

**BUFF AND WHITE** Orpington eggs that will produce winners and layers, \$1.00 to \$3.00 per 15. Geo. Moyer, Berrien Springs, Mich. 4-6



## ORPINGTONS.

50 CRYSTAL WHITE ORPINGTON breeding hens, \$2.00 each. Eggs: 15, \$1.00; 50, \$3.00; 100, \$5.00. White Feather Farm, New Bremen, Ohio. 6

SINGLE COMB BUFF ORPINGTONS (Byers Strain.) Eggs at two, three, and five dollars per fifteen. Fertility, safe delivery guaranteed. Pratt-McCormick Orpington Yards, Box 313, Prairie Grove, Ark. 5-7

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KELLERSTRASS STRAIN CRYSTAL White Orpingtons. Eggs, \$1.50 per 15 from stock that produces prize winners. F. R. Brill, Box 41, Hampshire, Ill. 4-6

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S. C. BUFF ORPINGTON EGGS—Two grand pens. Prize winning stock. \$2.50 and \$1.50 per 15. Book your order. I will guarantee 12 fertile and treat you right. Roy E. Bulechek, Hills, Iowa. 4-6

WITH A FEW EXTRA fine imported birds, our Single Comb Buff Orpingtons now stand close to, if not at the top. Eggs now \$2 to \$15 per 15. My 8 years' specializing and experience I know will please and give good results. As to proof, my Buffs won 26 firsts, 100 prizes, as many specials the past two years at New York, Chicago, Springfield, Indianapolis, etc. Send for mating list; it's free. P. W. Windle, Box 8, Mt. Morris, Ill. 4-6

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EGGS, \$2 PER SETTING. Real value, \$5. Large low-down Duke of Kent strain Black Orpingtons. Frank Kittsley, Cedarburg, Wis. 4-6

S. C. WHITE ORPINGTONS from Madison Square winners. Cockerels, hens, pullets, Eggs, \$3, \$2, \$1. Chicks. Eli R. Rosenberger, Tiffin, Ohio. 4-6

BLACK ORPINGTON Eggs for sale from two magnificently bred pens of royal birds. Correct in type and color. Pen No. 1, \$5.00 for 15 eggs; pen No. 2, \$3.00 for 15 eggs. S. M. Neel Kansas City, Mo. 4-7

ORPINGTONS, WHITE, BUFF AND BLACK—Stock hatched from Cook's prize winners. Large, true type and color. Settings, best pens, \$5.00 per 15. Wm. D. Mann Highland Park, Ill. 4-6

KELLERSTRASS WHITE ORPINGTON. Buff Orpingtons, one setting, \$2.00; 30 eggs, \$5.00; 50 eggs, \$5.00; 100, \$8.00. Wanted to buy, all kinds live foxes. Maple Forest Poultry Yards, Waters, Mich. 4-6

CONNER'S SINGLE COMB BUFF Orpingtons win. Eggs from a fine farm flock, \$1.00 per 15 or \$5.00 per 100. Choice mated pens, \$2.00 and \$3.00 per setting. C. R. Conner, Victoria, Ill. 4-6

EGGS FOR HATCHING from my Crystal White Orpingtons. No Crystal Palace or Madison Square winners. Just honest, large, low-down white birds. First pen, \$5.00; second, \$2.00 per 15 eggs. F. H. Boynton, Chariton, Iowa. 4-6

BUFF ORPINGTONS. COOK will tell you that I bought three \$20.00 setting eggs that were from pen headed by first prize Madison Square cockerel. I have some grand cockerels and pullets from these eggs to offer. Mrs. Karl Spear, Conewango, N. Y. 4-6

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UTILITY REDS, ROSE COMB, free range, nothing but Reds on the place. Eggs, \$1.25 per 15. No special mating eggs. No eggs by 100. Cyrus E. Lake, Vernon, Ill. 4-6

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SINGLE COMB REDS. Tompkins' 200-egg strain. Beautiful red to the skin. Cockerels, chicks, eggs, \$2.00 for fifteen, \$10.00 per hundred, sent by parcel post. Mrs. Clara Meyer, Barron, Wis. 4-6

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CARVERS RED FARM, SEVILLE, OHIO, home of Carvers Famous Reds. Before buying eggs, get our great low "Live and Let Live" Prices. See advertisement inside back cover. 11-11-17

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OUR ANCONAS WIN at such leading shows—London, England, Madison Square Garden, Cleveland, Columbus, Toledo, O., and Allentown, Pa. J. O. Somers, Bedford, Ohio. 6-8

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ANCONA EGGS FROM CHOICE birds evenly mottled, dark tails and wings, \$2.00 and \$3.00 per 15, \$8.00 per 100. Satisfaction guaranteed. Waveland Poultry Yards, 5858 Waveland Ave., Chicago, Ill. 5-7

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MEISELBACH'S WHITE MINORCAS—Single and Rose Comb highest quality stock for sale. Harry Meiselbach, Melrose Park, Ill. 5-6

S. C. BLACK MINORCAS. Have the shape, color and size, blue ribbon winners wherever shown. Eggs, 15, \$5.00, \$3.00, \$1.50. Write for circular. Lake View Poultry Yards, Sheboygan, Wis. 5-7

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1000 BANTAMS FOR SHIPMENT. Send 2c stamp for circular. A. A. Fenn, Box 37, Delavan, Wis. 2-7

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EGGS FROM GRAND MATINGS of my Sicilian Buttercups of quality. Descriptive booklet free. Read The Buttercup Specialist, Garretttsville, O. 5-7

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**HOUDANS, 278-EGG STRAIN.** Silver Spangled Hamburgs, fancy and utility, trapnested, layers and payers, eggs for hatching a specialty. Fred Brenon, 122 North Pleasant St., Watertown, N. Y. 5-6

**ABERNETHY'S HOUDANS**—Winners New York, Boston, Philadelphia, Hagerstown, Brockton, etc. They look well, win well, lay well. Better buy the best. Stock and eggs reasonable. James Abernethy, West Pembroke, Maine. 5-6

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**TWELVE MATED PENS.** Nine years a breeder of Buckeyes. Eggs \$1.50, \$3.00, \$5.00 per 15. Baby chick. Order now. Highland Poultry Farm, Box A, Nevada, Mo. 3-6

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**SILVER CAMPINES**—Great reduction after June 1 in price of eggs from prize winning matings. F. Young, Importer and Breeder, Lawrence, Mich. 6

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**PARTRIDGE COCHINS**—Extra choice stock. Eggs \$1.25 per 15; \$5.00 per 100. Elmer Niece, Frenchtown, N. J. 5-6

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**MALINES. THE GREAT BELGIUM TABLE** fowl, that weigh from eleven to fourteen pounds. Eggs from birds imported direct from Belgium. Ten Dollars per fifteen. Orders booked in rotation. Imported trios, Fifty Dollars. White or Black. Here they are. The best there are. Edwin S. Douglas, Importer, Lawrence, Mich. 4-6

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**CUT PRICES, 5,000 Ducklings, Indian Runners, Niagara strain Pekins.** Strong, healthy fellows, 10,000 eggs monthly. Also baby chicks. Cloverdale Farm, Ransomville, N. Y. 6

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**BABY CHICKS**—Barred Rocks, Brown Leghorns, \$10 per hundred. Mrs. F. Unger, Route 1, Lewisburg, O. 5-7

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**CHICKS AND DUCKLINGS** from the finest stock in the country. Different varieties. Prices right. Safe arrival and satisfaction guaranteed. Catalogue free. Wyngarden Hatchery, Zeeland, Mich. 2-6

**THOROUGHbred WHITE LEGHORNS** and Barred Rock Baby Chicks from vigorous farm raised stock. Prices very low considering quality. Send for free catalogue giving prices and description of stock. L. M. Headman, Upper Black Eddy, Pa. 2-7

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**MAMMOTH BRONZE TURKEYS, FISHEL** strain. Prize winners head the flock. Eggs, \$2.50 per 13, \$5.00 for 30. Twenty years a successful breeder. Birds have farm range. M. H. Murray, Calamine, Wis. 4-6

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**WHITE INDIAN RUNNER DUCKS** (Fishel strain direct). Eggs after June 1st at \$1.00 per setting; \$7.00 per 100. Edw. Longmore, Somers, Wis. 6

**BUFF ORPINGTON DUCK EGGS** from \$50.00 per 13, \$3. Quality Poultry Farm, Maywood, Ill. 5-7

**WHITE RUNNERS.** A very select pen of yearling Fishel birds for \$15. W. R. Craun, Butler, Ind. 6

**WHITE INDIAN RUNNER DUCKS.** Trio, \$10.00; 13 eggs, \$1.50; 50 eggs, \$5.00; 100 eggs, \$9.00. Henry Schowe, New Bremen, Ohio. 6

**BUFF ORPINGTON DUCKS.** Dunrobin direct, eggs \$2 per 12; 50, \$6. Mammoth Pekins, eggs \$1.25 per 12; 100, \$6. Springbranch Poultry Farm, Bellville, Ohio. 6

**WHITE INDIAN RUNNER DUCKS** and drakes for sale. 13 eggs \$1.25; 50 eggs, \$5.00; 100 eggs, \$9.00. George Lehmkuhl, Box 132, New Bremen, Ohio. 6-7

**50 WHITE INDIAN RUNNERS** (Fishel strain direct), white egg layers, prices reasonable. Eggs, 13, \$1.50; 26, \$3.00; 50, \$5.00; 100, \$10.00. White Feather Farm, New Bremen, Ohio. 6

**WHITE INDIAN RUNNERS** with upright, racy carriage, prize winners, great layers; large white eggs, 13, \$2.00; 50, \$6.00; 100, \$10.00. B. F. Morgan, Independence, Ind. 5-7

**QUICK MATURING PEKIN ducks, breeders,** eggs, ducklings. Hatch off May 3 and every fifteen days thereafter. Write for prices. L. McFarland, Watertown, Wis. 5-7

**INDIAN RUNNER DUCKS.** The kind that lay and pay. Pure white eggs, \$1.00 for 15, \$4.00 for 100. Also White Runner eggs, \$2.00 per dozen. C. W. Michael, Independence, Ind. 5-7

**GENUINE ENGLISH PENCILED** also Pure Fawn and White layers of nothing but white eggs; 26, \$1.50; 50, \$2.50; 100, \$4.00. B. F. Morgan, Independence, Ind. 5-7

**COOK'S STANDARD FAWN** Indian Runners, large white egg strain. Stock and eggs. Booklet containing valuable information for stamp. Irving E. Cook, Munnsville, N. Y. 3-8

**65 WHITE RUNNERS** (Fishel direct). Prices reasonable. 13 eggs, \$1.50; 26, \$3.00; 50, \$5.00; 100, \$10.00. Henry Heitkamp, New Bremen, Ohio. 6-7

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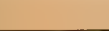
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## 1913 Breeding Males

## Cockerel Breeders

First and Second Prize Pen Males at Madison Square Garden one year ago; Sons descended from "World's Champion '06"; Fourth Cockerel same show, His Brother; Sons of Full Sister to First Madison Square Garden Cock Bird at a recent show, bred and raised by us; Cock Bird slightly in-bred to him (had 52 dark bars on the feather); two Grandsons bred by us; one Brother which bred some of our finest cockerels; 2nd Cock Bird at Madison Square Garden one year ago; 2 Grandsons of Second Cockerel at a recent Boston show; "Champion Line Cockerels," bred from sisters to a First Boston Cockerel bred and raised by us. Also a few others of like and similar merit. **EVERY PEN A STRONG PRODUCING PEN.** The Females in these pens are nearly all sired by or sisters to or descended from Winners and First Winners at Madison Square Garden Shows.

## Pullet Pens are Headed by

Brother to the Sire of our Best Pullet in our First Prize Pen at Madison Square Garden one year ago; two Sons of First Prize Pen Pullet same show; Sons of one of our Best Prize Winning Hens in the open class (we bred and raised all our first prize pen pullets here on our own place); Cockerel brother to three Blue Ribbon Pullets and sired by sons of First International Show Hen; Son of First Winning Hen at one of the Largest early shows. His sire was our best pullet the year she was raised. If we use any others they will be of similar merits and pedigree. The females in these pens include a Number of Winners at New York and Boston bred and raised by us.

Stock for Sale the Year Around—All grades. Prices According to Merits. Circular Free.

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(OUR BREEDERS FOR SALE AFTER MAY 20th)



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EGGS FOR HATCHING, JUNE DELIVERY—Lowest prices ever offered to our trade, from our best matings. **Two Settings for \$5. Two Settings for \$5. Two Settings for \$5.** This low price is made to induce you to try out and compare our **Grand Special Matings.**

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## DO YOU WANT EGGS?

Then send for free booklet, "What and How to Feed." :- Simplex Supply House, Pontiac Building, Chicago, Illinois.

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**Dr. A. H. Hall, Prop. Diamond Ancona Poultry Yards, 394 Main St. E., Hamilton, Ontario**

Pres. Canadian Mottled Ancona Club; member of the International Ancona Club, Ancona Club of America, Ancona Club, and, in fact, I am a member of every Ancona Club in America.



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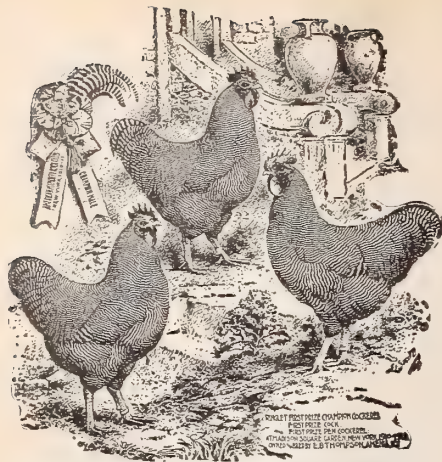
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Win the most remarkable record beyond all precedent in Barred Rock history at the imperial and most classic show of all America—Madison Square Garden, New York—this winter of 1913. Winning as follows:

First, second, sixth and eighth on cockerels. First and sixth on pullets. First, second and fifth on exhibition pens. First on cockerel mated pen. Second, third, fourth and fifth on cocks. The Imperial Prize of the show, Sweepstakes special for champion male. Sweepstakes special for champion female. Diploma presented by the American Poultry Association for best cockerel. Sweepstakes cup for best Plymouth Rock hatched in 1912, male or female, any variety. Challenge silver cup for best exhibition pen. Special best shaped male. Special best colored male. Special best colored female. Best cock, cockerel, hen and pullet, four best cockerels, four best pullets, \$25 special prize, presented by the New York Show for finest display. All silver cups and cash specials—four times as many first prizes as any competitor. More first prizes than all competitors combined. More first, regular and special prizes than won by any exhibition of any breed.

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No other Barred Rock breeder has ever produced or is producing such matchless quality. Every feather in my exhibit was bred on my farm. My First Prize Champion Cockerel and First Prize Champion Pullet are years ahead of their time. They are the produce of the highest skill. No other Barred Rock breeder has ever accomplished the unprecedented achievement of winning the two greatest prizes in the world, Champion Male and Champion Female, at one show in Madison Square Garden. For 25 years at New York my "Ringlet" victories have been complete; my clean sweep of 1ST, 2ND, 3RD, 4TH AND 5TH PRIZES on pullets has never been approached at Madison Square Garden and stands alone and unequalled. The Imperial "Ringlets" are the standard by which all other Barred Rocks are judged. To meet success in winning prizes you must have my birds and eggs. I will sell you grand exhibition birds for any show, and breeders of this Richest First Prize, New York, blood. Richly illustrated 70-page catalogue upon request. It is full of original pictures of New York winners from life.

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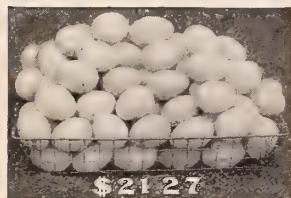
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Eggs for the balance of this season are all half price. Now is your chance to get some mighty fine eggs cheap. Send for our free mating list giving description of our stock and farm. **Bargains in Stock**—While they last we offer 300 hens out of our breeding pens at \$1.50 each. Also, if you wish some of our fancy birds send for our special price list. These low prices are made for birds to be delivered in July. Get your order in promptly and we will ship your birds the first of July. Mention American Poultry Journal when writing.

Weja Farm : W. W. Darley, Prop. : Harmon Bradshaw, Supt. : Northfield, Ohio



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### My Recent Winnings at Madison Square Garden and Boston

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LESTER TOMPKINS,

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CONCORD, MASS.



FOR TABLE OF CONTENTS SEE PAGE 1042



First Prize Old Chicago Pen, 1912-13

## F. E. HARRISON'S ROYAL RED STRAINS. C. R. I. REDS

Make the greatest win ever made at Chicago, December, 1912-13, (note the date) and the world's record at Indianapolis—ten firsts, nine seconds, nine thirds, six fourths and four fifths, or more prizes than all competitors combined at these two shows. Guaranteed winners for any show in America. Catalogue free.

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During July and August

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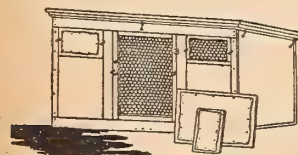
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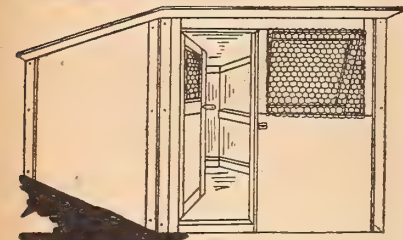
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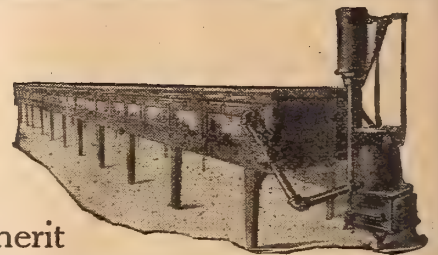
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This is the proof—we have arguments, too—our 1913 catalogue is filled with them. Have you a copy? If not, send for it now.

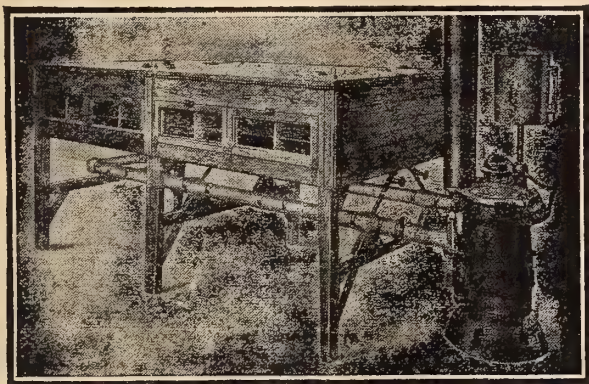
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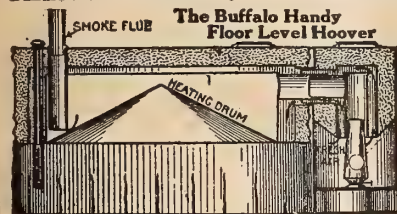


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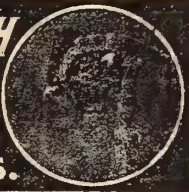
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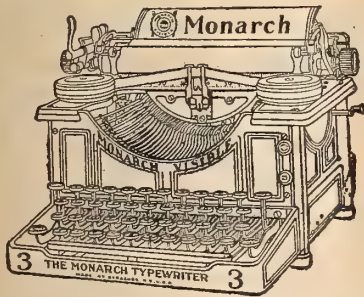
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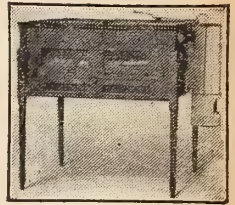
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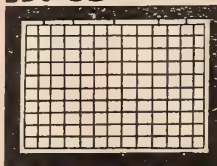
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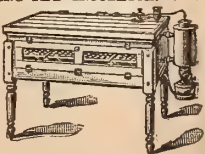
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# Poultry Books

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A complete list of poultry books that everybody interested in poultry should have. This list is made up with the idea of supplying the wants of all poultrymen, and covers about every phase of the industry; in fact, this list of books make almost a complete poultry library, and by taking them all at a cut price you will be well equipped to make a success of this business. The books in this list tell you how to line breed, how to feed for egg production, how to reduce your feed bill, how to mate to produce exhibition birds, how to prevent and cure diseases, how to mix a balanced ration, how to build poultry houses, poultry appliances, etc. Following is the list:

### DR. PRINCE T. WOODS' NEW BOOK HOW TO RAISE CHICKS

128 PAGES—35 ILLUSTRATIONS

A down-to-date manual on breeding poultry. Tells in plain language how to select and mate breeding stock, what to feed and how to feed it, how to care for and manage breeding stock, how to select eggs for hatching and how to care for them before and during incubation, how to get good hatches with incubators, how to raise chicks with hens and brooders, how to prepare home-made chick foods, how to build brood and colony coops. It also gives facts about White Diarrhoea, including prevention and treatment, and much other valuable information that cannot be obtained elsewhere. Price 75 cents.

### OPEN-AIR POULTRY HOUSES FOR ALL CLIMATES

By Prince T. Woods, America's Leading Authority on Practical Poultry Keeping

The best house book ever published. Be sure to read it before you build or make alterations in your poultry houses. 88 pages and 46 illustrations. Tells how to build the kind of houses that the most successful breeders all over the country are building and recommending. The "Fresh-Air House" has come to stay and you will want to build one. It means better fowls, freedom from disease in the flocks, better egg yield, better fertility, better chicks. No matter where you live, if you keep poultry you need this book. This book gives full plans and specifications. Price 75 cents.

#### Origin and History of All Breeds of Poultry

This book gives a complete history and the origin of all the recognized varieties of chickens, ducks, geese and turkeys, and is illustrated with 198 colored pictures of fowls painted from life, something never before attempted by any publisher. This is, without question, the greatest book ever published on poultry. The artist's work alone on this book took almost one year's time to complete, but it shows the fowls in their natural colors and correct shape, and these colored pictures, together with the history of each variety, gives the fancier all the information to produce fowls for either exhibition or breeding.

**How to Mate**—This book also tells how to properly mate the different varieties of fowls to produce birds that will conform to standard requirements. This is something that even the Standard of Perfection does not do. It tells you at a glance what it will take years of practical experience to learn. It is a book that no breeder or fancier can afford to be without, as it is just as suitable for the needs of the experienced fancier as for the amateur. Price \$1.00.

#### Successful Poultry Culture

Contains 128 pages and is a practical treatise on everything you want to know about the poultry business. It tells you his method of saving three-fourths the feed bill, and many other valuable pointers which will save you many times the price of the book.

Space will not permit a detailed description of the entire book, but the following will give you an excellent idea as to its great value. Besides 30 illustrations of standard bred poultry and poultry houses, it contains chapters on the following subjects: The Way to Succeed; Some Interesting Poultry Statistics; The Pleasure of Poultry Culture; Advice to Beginners; Poultry and Pin Money for Women; Boys and Poultry Culture; Poultry on the Farm; How to Succeed on a Small City Lot; How to Succeed with a Large Market Plant; How to Get Eggs in Winter; How to Feed Young Chickens; Success with Incubators; Success with Brooders; How to Cure Diseases; How to Build Poultry Houses; Plans for Model

Poultry Houses; Profits in Poultry Culture; Scientific Feeding. Regular price \$1.00.

#### Diseases of Poultry

By D. E. Salmon, D. V. M., Chief of the United States Bureau of Animal Industry. Every poultryman should have this book in their poultry library. It contains 250 pages, and every disease to which fowls are subject is treated in a most thorough manner. The cause, symptoms and cure of each disease is put before the reader in such a manner as to be understood at a glance. With this book in hand you can be your own poultry doctor. Better order one now and not wait until your fowls become ill. Regular price 50 cents.

#### "Why Poultry Pays and How to Make It Pay"

A book for the beginner in poultry raising and for those engaged in it who are interested in deriving from the business the greatest profit. The book tells you how to start right, how to succeed with poultry, how to line breed, how to win at the shows, how to breed and prepare fowls for market, how to feed for the production of eggs, contains a chapter on poultry diseases and simple remedies for same. Gives instructions on incubators and brooders, much other valuable information and is profusely illustrated with ideal drawings of standard fowls. Price 50c.

#### "How to Build Poultry Houses"

A book devoted to the construction of poultry houses and fixtures, gives plans and specifications for building all kinds of poultry houses, brood coops, nest boxes, dust boxes, shipping coops, etc. It will save money by telling just the kind of house desired for the different localities and the size best suited for the various sized flocks. Regular price 50c.

#### American Poultry Journal Hand Book

Contains valuable recipes and trade secrets, feed, care and management in health and disease. Pocket size, 15 cents.

**Total \$5.15---Cut Price for the Eight Books, Prepaid, \$3.40**

This is a saving to you of one-third from the regular price. Better order now before the price is advanced. If you want only a few of these books send in full price, as no reduction is allowed from the list price unless all eight books are ordered. You need all of them. You can also get any 50-cent book and a full year's subscription to American Poultry Journal for \$1.25, a 75-cent book and a full year's subscription to American Poultry Journal for \$1.40, or a \$1.00 book and a full year's subscription to American Poultry Journal for \$1.50.

**AMERICAN POULTRY JOURNAL PUB. CO.**  
**542 SOUTH DEARBORN STREET, CHICAGO, ILLINOIS**



# S·C·WHITE LEGHORNS THAT LAY, WEIGH AND WIN



There is more real proof in a teaspoonful of experience than in a demijohn of talk.

If you have ever bred the GROVE strain of SINGLE COMB WHITE LEGHORNS, you know from experience that they represent just what we claim for them.

Upon receipt of 50 cents in stamps or coin, we will send you postpaid our new sixty-four page book on poultry, which explains in detail the method of raising, feeding and conditioning line bred poultry for successful results.

**E. W. Grove, Jr.**

Route 1, Clayton, Missouri



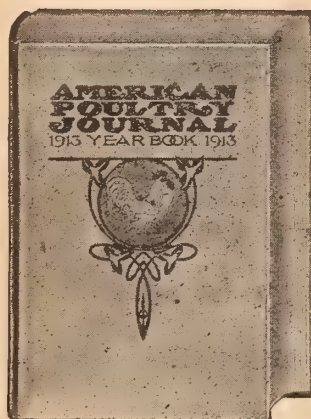
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# "More Than Pleased"

## That's What They All Say About the "American Poultry Journal Year Book for 1913"

Below you will find a few letters we received from some of the most eminent authorities and experts on poultry culture in this country praising the contents of the "American Poultry Journal Year Book for 1913." Only a few are here given, but we could easily fill this whole page with similar ones. Just read these from men who are capable of judging a book of this character, and then send in your order for the book and if you are not satisfied with it, send it back and we will immediately return your money. That's fair; isn't it?



Hammonton, N. J., June 14, 1913.  
Jas. W. Bell, Chicago, Ill.

My Dear Mr. Bell: I wish to thank you very much for the Year Book, which you so kindly sent me. I shall give you a notice in Farm Journal. I think your effort in this direction is worthy of great credit. Respectfully, Michael K. Boyer.

Oakland, Cal., June 10, 1913.  
American Poultry Journal Pub. Co.

Gentlemen: This will acknowledge receipt of yours dated the 27th, also the copy of your 1913 Year Book for which please accept thanks. Permit us to congratulate you on the interesting character of the contents of your Year Book as well as upon the enterprise of your company in getting out a work of this kind. Trusting it will prove a most successful undertaking, we beg to remain, Very truly yours, American Poultry Publishing Co., W. C. Denny, Sec'y-Treas.

Bridgeton, N. J., June 3, 1913.

American Poultry Journal Pub. Company.  
Dear Sir: Your 1913 Year Book arrived all O. K. I must congratulate you on this book. It is as full of information as an egg is full of meat. No poultryman's

library is complete without this book. Yours respectfully, Louis G. Heller, Poultry Judge.

Springfield, Mass., June 3, 1913.  
American Poultry Journal Publishing Co.  
Gentlemen: Yours of the 29th at hand, also copy of the American Poultry Journal Year Book. A hasty glance through it shows that it contains much valuable information for poultry breeders and exhibitors. Yours very truly, Edwin C. Powell, Editor, Farm and Home.  
Union City, Mich., June 2, 1913.

Waverly, Iowa, June 5, 1913.  
American Poultry Journal Pub. Company, Chicago, Ill.

Gentlemen: Please accept thanks for the copy of your Year Book, which was received a few days ago. You certainly deserve great credit for putting out such an excellent work. Judging by its merits, it should meet with great success. We will be pleased to give it editorial mention in the July number of the Rhode Island Red Journal. Sincerely yours, Rhode Island Red Journal Company, A. G. Studier, Editor.

The great American Poultry Journal Year Book for 1913 contains 379 pages and is chock full of valuable information pertaining to the poultry industry; being a comprehensive and authentic review of the poultry industry for the year 1912; all thoroughly and carefully indexed for instant reference; with three double-page and eight full-page four-color illustrations and numerous black and white plates; also containing the poultryman's calendar; the poultryman's encyclopedia; latest feeding formulas; first, second and third prize winners at nine largest shows and first prize winners at thirty-two next largest shows; poultry show directory; specialty club directory; experiment station directory; poultry judges' directory; report of egg-laying contests and many special articles by leading specialists. Everybody interested in poultry should have a copy of this great book, which cost over \$2,000.00 to produce. Send for your book today. The prices are \$1 for handsome cloth bound de luxe edition and 50c paper cover condition.

### SPECIAL COMBINATION OFFER

Paper bound edition of the "Year Book" and a full year's subscription to American Poultry Journal for only \$1.25, or cloth bound edition and one year's subscription for only \$1.50. For Canadian subscriptions add 25c a year for postage; foreign sub. add 50c.

**American Poultry Journal, 542 South Dearborn Street, Chicago, Illinois**



# AMERICAN POULTRY JOURNAL

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## Campines--The Coming New Breed

The Improved Silver Campines Are Becoming Popular---They Are the Great Laying Fowl of Belgium *By Dr. J. H. Prudhomme, Thurmont, Md.*



HERE is no one breed now looming up on the horizon that is destined for a bigger run, and one that has come to stay, than the Improved Silver Campine. Campines are the great laying fowl of Belgium, and have been bred for egg laying for many generations. The late Louis Vander Snicht, the acknowledged Belgian authority, tells us that they were well known in the time of Charles V., while no less an authority than Harrison Weir says that, by tradition it dates back as far as 1206. The breed is undoubtedly a very old one, as the people of La Campine district, in Bel-

gium, go so far as to say that when Julius Caesar left the country he took back to Rome a number of these fowl, which the Roman epicures pronounced "food for the gods."

The name Campine is derived from the Plains of La Campine. The Belgian Campine having been bred for so many years on this dry, arid, sandy plain, where natural food is comparatively small, nature has produced a small bird of wonderful activity, although too small to be of much practical value in this country.

For this reason one should be careful in buying the so-called "Pure Belgian Campine," they will be disappointing on account of their small size. And if such Belgian birds approach the size of the Leghorns, or are larger, the chances are that they are the Belgian Braekel, and not the Campine. These Belgian Braekel are a breed of very similar markings to the Belgian Campine, although they average too large in size for best results as egg producers in this country, and have not the activity of the Campine.

The first great improvement over the Belgian birds remained for the people of Great Britain to accomplish. By taking up the small, active Campine of Belgium and infusing some Braekel blood, and then breeding back to the activity of the Campine, they have produced a breed that not only contains all the good qualities of both races, but have improved these and added others, such as their beautiful new dress; yet they have also been successful in retaining the bountiful egg supply.

This new race, the breeders of Great Britain have called Improved Silver Campines. Of this new breed the American authority on Campines, Mr. F. L. Platt, says: "The Belgians have given the English one of the most productive fowls in the whole category of 'everlasting layers,' and our British cousins have dressed the bird in a smart attire, have added to the reproductiveness of the Campine some of the size of the Braekel, and on the hillsides of rigorous Wales have developed a sturdier fowl, the New Campine, and I tell you it is a heavy layer of heavy eggs."

This fowl is coming on wonderfully in England, Canada, the States, and is also wending its way to France, Switzerland, Italy and India. The French have learned the value of the breed their neighbors have bred for so long and there is a growing demand for the pullets of this strain, for "Madam" is thrifty, and she must have laying pullets in winter.

Even dwellers in Southern India, we are told, intent on

supplying the requirements of "Mem Sahib" with white eggs of high quality, are breeding Improved Silver Campines largely and include them amongst favorite breeds for that land.

Canadian breeders find that a bird that lays large eggs constantly when the thermometer is way below zero is not lightly set aside, and are taking up this breed with characteristic energy. From a personal letter from a Banker of Ontario, Canada, I quote the following: "They (meaning the Campines) are really great layers. It was 3 below zero this A. M. and in a pen of 12 Campine pullets I got 10 eggs, and these pullets are all day and every day in an open scratching shed. I am in love with the Campines and feel certain they are going to be the boom breed." (Notice, I want to call your attention to "the pullets are all day and every day in an open scratching shed;" this will appeal to Dr. Woods' views on "open poultry houses.") I must quote this gentleman further, he is a reputable breeder. Of one special pullet he says: "The pullet is laying, and although we had it very cold here this winter, 30 below zero several times, she never missed a day laying for four weeks."

English breeders and exhibitors are taking up the breeding of Campines in real earnest and at the Crystal Palace Show of 1911 the entries in the Campine class equalled those of the Rhode Island Red.

In America, in the Fall and Winter, shows at Hagerstown, Baltimore, Philadelphia, New York, Boston, the Campines were well represented; at Chicago the class was large, containing 54 birds. It is a well known fact that the demand for Campines surpasses the supply. Some are so enthusiastic as to declare that the Campine will equal the Orpington in popularity and that they are destined to supplant the nifty little Leghorns on the large egg farms of our country. It would be well then for the wise to take note of the Improved Silver Campine and get in on the ground floor and help boost this noble, useful bird to the front where it belongs.

The Silver Campine is a graceful bird, somewhat similar to the Hamburg, and has a low tail, long body, broad across the shoulders and is built for laying. The neck and hackle should be pure white; the beak and toe nails horn color; ear lobes, white; legs and feet, leaden blue; iris, dark brown; pupil, black; comb, face and wattles, bright red. The ground color should be white, and the scoring should be black with rich beetle green sheen. The barring of the feather should be two-thirds black, and one third white. The ends of the feathers should be white. There are two species: the Silver and the Golden Campines. The Golden should have the same standard substituting gold for silver.

At the Madison Square Garden poultry show the Campine Club of America was organized and the English Standard (above description of the birds) was adopted for judging the Campines in the American show rooms. This standard will be altered to some extent at the meeting of the Club to be held on Jan. 2d, 1914, at the Garden, and a new standard adopted outlining requirements better suited to an American Type of Campine.

Campines are very active, alert, precocious, mature early, are non-setters and are great rangers, which make them de-



sirable for the farm, yet they do well in confinement, and they require much less feed than most other breeds. For egg laying the year round, the size, weight and color of their eggs—they are in a class by themselves, and have already attained fame in America, having repeated their record of last year when for the first time in fifteen years they wrested from the Leghorns the first prize for the best dozen of white-shelled eggs at the Boston Egg Exhibit. There, in competition open to eggs of all varieties, they won first premium for best dozen white eggs, and also won first premium for the whitest dozen eggs at the show. At Allentown, 1912, in a class of 22 dozen, other breeds competing, eggs from Campines won first prize; at Frederick, Md., they won the sweepstakes over eggs from all breeds entered; at Baltimore first prize in their class.



In an article in the American Poultry World, Mr. J. H. Drevenstedt said of them, "Campines (at Boston) made a good impression on all who studied this breed closely. The exhibit of Campine eggs attracted considerable attention, especially from poultry raisers who make a specialty of supplying the market with white shelled eggs. The eggs of the Campine fowls are of good size, and the shell is chalky white."



A portion of the colony houses on the 90-acre range of the Idlewood Poultry Farm, Swanville, Pa.

As an exhibition bird the Campine has not hitherto taken as high a plane as its beauty entitled it to, the show cage hardly shows off the lustrous beetle green sheen that is one of the attractions of the breed. They look best wandering about in the meadows, and few sights are more attractive than a flock of these birds scattered over the lawn, headed by a virile, majestic cock, who, from appearance,

looks as "proud as a Peacock," Monarch of all he surveys.

You will find that the Improved Campine originated right in the home of the Campines. Quoting Mr. Platt: "The first hen-feathered cock came from the yards of Mr. Oscar Thomas, Renaix, Belgium. Renaix is in southeastern Belgium, near the French border and it is in this district that the Braekel chicken is grown. This cock was exported to England and there bred for the sake of the new fashion which it had set."

"The Braekel may be said to be the backbone of the new Campine. Crossing has been easily possible and quite practical. The Braekel contributed some good qualities to the new Campine.

"This Braekel in Belgium lays a larger egg than its sister, the Campine. It gave to the new Campine more neat qualities, for the Braekel is a delicious table bird and much larger than the industrious little Campine that one sees on the sandy plains of La Campine."

Now, in conclusion, and in order to make the point more clear, I will make the following comparison: That as the recognized motive power of the Esquimaux is the Esquimaux dog; the horse is generally used in the temperate zone; the



llama is better adapted to the narrow, winding paths of the Andes; the water buffalo is more suited to the Philippines; the camel to the desert. Conceding this to be an unequivocal fact, upon this same theory is the little Campine better suited to the dry, arid, sandy plains of La Campine; the Braekel to the rich, fertile country of southeastern Belgium. Then so is the Improved Silver Campine best suited to the idiosyncrasy of the English fanciers and breeders, and, finally, so is the Improved Silver Campine type best suited to the wants of the American fanciers and breeders.

Why? Because the public wants them. The public creates the demand and the breeders cater to that demand. Here is the proof in this day's mail. A customer writes me: "I have some of the best stock Improved Campines from . . . . and from . . . . direct. Now I would like to get one dozen chicks from your best pen. I want to keep my stock up both in egg production and in feather, etc.—A. E. C., Philmont, N. Y." This is characteristic of the American. He is wide awake; he keeps his ears to the ground; he selects the best type of a breed, and he wants the best that can be had. In this case it is Improved Silver Campines, and none other, believe me.



# Getting Started With Practical Poultry

Some Criticism and Numerous Common Sense Observations in Regard to Breeding Chickens

By H. H. Stoddard, Riviera, Texas



WHEN I am not tired of reading about "bowel trouble" in young chicks, fighting mites, greasing under side of wing for lice, fifteen or twenty things to feed brooder straddle-legged, sleepy unfortunates to keep the breath of life in them, the evils of "too much corn" and a lot of other things that there would be no need of talking about were the management correct, then most likely I come across the old advice regarding "going slow." Now, there are times, of course, when would-be breeders for exhibition purposes, who have not learned the A, B, C of the fancy, should

proceed very carefully before spending money freely, and there are city bred people who ought to keep a dozen fowls a while before trying large numbers; but when it comes to commercial poultry raising it is so different from small scale operations that one may keep a small flock and "go slow" for a lifetime and know next to nothing about the fundamental principles of a business egg ranch.

Illustration: Thousands of people ply the hoe in family vegetable gardens. They run the whole gamut of radishes, lettuce, peas, asparagus and numerous other vegetables, and succeed. Let them come to a commercial truck district and make vegetables their business and they will have to change their methods almost entirely. Now, there are many who come to the district to follow trucking who have never dabbled in gardening at all. Here comes a party who has spent his working years in a city store or workshop. Would you say to him, "Get a lot of seeds and a new hoe and work a year or two on a sixteenth of an acre garden," or would you say, "Get the best books on trucking as a business, and visit the large fields where truck is successfully grown"?

## Another Illustration

A young man has worked by the month and saved a little money. He wants to run a small country store of his own, devoted to general merchandise, embracing groceries and provisions, flour and feed, dry goods, hardware, harness, furniture, clothing, hats, shoes, books, stationery, notions, and even a few common drugs and medicines.

Very properly he serves a term in a store of just that sort, in a distant place, and waits on customers in every department, and under agreement with his employer takes lessons in accounts and in buying as well as selling.

Now, here is another young fellow who, fresh from school, has inherited a big lot of money and wants to run a large store in a great city, say, a clothing or hardware business. Of little use it would be to him to serve the same apprenticeship as the other man. To learn a thing, work at that thing.

You may sail a fishing smack for years, but will only learn how to do things on an ocean liner by working on one.

Commonly the poultry husbandry department of a state station is for the benefit of the farmers with whom fowls are a side issue, and the institution also teaches judging by the Standard. This last is all right with cows, swine, etc., for the standard with these animals is based on utility. But Standard poultry matters are related not to an industry but to an amusement, and it would not be legitimate to use public funds on card-playing, baseball, golf or other amusements.

Everything necessary to teach respecting the management of poultry on a farm can be learned in a short time by students going the rounds of model farm flocks, supplemented by lectures; and though books are good, too, in a way, formal recitations based on these are comparatively unimportant. Poultry books should be used as school readers are, and read aloud in class.

There should be a poultry farm for the food market exclusively, operated on a large scale, by aid of the latest science, and operated at a profit, too, instead of being a burden on the college funds. Special films for the movies, of course. If not paying well, this model commercial farm would not be a proper lesson. Production will be furthered—real, genuine production of wealth. The much-lauded farmers' flocks, even those the best managed, are

poor producers because the marketing part is necessarily faulty.

Eggs from farms as gathered and shipped are substantially second-class and always will be. No amount of instruction will ever create the requisite vigilance. A rigid law, fining for selling eggs in the hot months, except from roosterless flocks, would help some but merely mitigate the imperfections that hang around the egg trade of the small scale operator, especially when the weather necessitates gathering eggs often and caring for them afterwards properly.

So hard it is to get good thorough work out of the ordinary farmer family, or suburban family, along strictly high-class egg lines, that parties shipping their own guaranteed eggs, who have tried procuring eggs from neighbors to piece out their own during lulls in laying, almost always give up the practice after a few trials, even in cases where it would be of great advantage to all concerned could it be made to succeed.

A neighbor—raised in a back county of Texas, and entirely innocent of the slightest glance at the broad field of poultry, and who in fact doesn't know that there is any such field—was here today, and, to show off, said he believed in "introducing" a new rooster every year from outside, to freshen the blood. He was a trifle too chesty about it, evidently meaning to convince me that he knew how to dig to the basic principles of poultry keeping.

To call him down slightly, since he is always annoying me by his know-it-all airs, like many other visitors, I replied:

"That is good medicine as far as it goes, but in a region that is really frontier, in a belt of more than two hundred miles in width, the roosters that you pick up to 'freshen the blood,' as you say, are almost always from stock that has been inbred very closely; that is, brother with sister or half-sister, over and over ten or twenty times. 'A new rooster every year from outside' does not fill the bill."

Did I then proceed to tell him what he should do? No. I have learned the application of the "pearls before swine" proverb. Where there has been, through fifty years of backwoods life, no foundation laid for comprehensive ideas, the best way is to save your breath to cool your porridge.

The party is anxious to get lots of eggs, because I showed him two years ago that by packing a crateful gathered with extreme care, rejecting dirty ones and pullet eggs, and shipping them when not over twenty-four hours old, to a high-class hotel as strictly guaranteed, he could get a good price and orders for more of the same sort. He denied it at first and said, "That might do up norf, but folks ain't use to it here."

As soon as he tried it and found that it worked like a charm, he pitched in, and in two years increased his flock from forty to four hundred layers, and, finding that in thirty years of farming he never did a thing that paid him so well, he and his wife and whole family are working like beavers to further increase their number of layers.

But what he should do I will show presently. He wouldn't do it, though, because it would involve an outlay of time and money that he would think was extravagant and unnecessary, and to get snubbed for telling him is unpleasant. It wrenches to kick at nothing. Opposition in the form of argument and reasoning is all right. Then you are kicking squarely at a football and the sensation is agreeable.

It sometimes seems as if so large a proportion of visitors give merely a carping stare, and so few give an approving smile, that I ought to hang on the street gate:

## Original Labor-Saving Egg Farm

Visitors Not Admitted Except by Appointment

Nothing to sell

And nothing to tell

H. H. STODDARD & SON

My neighbor should get from Mr. Jones a new male White Leghorn, the smartest in carriage and spunk he can possibly find in the Jones flock, and yard him with a few hens from Mr. Brown, selected also on the test of vivacity. If the number is too small for the Turk, add some Asiatic hens or some of any dark-egged breed to his flock.

Make up another yard with stock from Messrs. Smith and



Robinson. The next step is to pair the progeny from the two yards, and then there are some "four-in-one" cockerels to be penned separately out of sight of any other fowls of either sex, and from time to time scrutinized carefully and rated for vigor.

Now, what are these "four-in-ones"?

#### Nothing Extra.

The evils of past inbreeding have been partly removed, that is all. Get four other stocks from four other sources, and breed more four-in-ones to mate with the four-in-ones.

When you get some eight-in-one cockerels, after culling them as before described, you will have birds to breed from that are reasonably free from the curse of the neglect and

side could not in the nature of things break up and keep broken up the effects of many years of close breeding.

Well, what happens if a good eight-in-one or sixteen-in-one male is put with a rundown flock of hens? Why, simply this: There is improvement in the progeny, of course, but the excellence of the male is pulled down a peg by the low-down blood, and really the young birds are only a cross between good and bad. To "grade up" any kind of live stock is a work of time.

When Mr. A. and Mr. B., co-operating as above related, manage to breed unrelated sixteen-in-one hens and sixteen-in-one cocks together, that will be going some.

"Why so particular?" the reader may ask. The answer is that the best races of human kind are built up on various combinations of sixteen-in-ones, thirty-two-in-ones, sixty-four-in-ones, etc., line breeding being very properly

#### Prohibited by Law

as an enemy to the state, because fostering incompetency and even idiocy, and letting loose all the diseases in Pandora's box. In the case of all races of domestic animals the evils of incest can be minimized by rejecting, in each generation, nineteen-twentieths and using only the remaining twentieth as breeders; but this cannot be done with the human race. If all were bred from, then in course of time various assaults on vitality, sure to appear, in the course of time would in most cases break down and run into the ground the inbred strain of domestic animals.

Because in certain cases some famous strains of cattle, horses and swine have withstood close breeding, it by no means follows that in general it is safe to practice it. The famous strains in every case were founded on superlatively



malpractice of twenty years or more.

The real scientific procedure is for Mr. A. and Mr. B. to form a mutual aid compact and each separately raise some eight-in-one stock. That is, between the two men there should be used at the start sixteen separate stocks, not one of the sixteen being related to any one of the other fifteen. When A and B exchange eight-in-one breeding birds there will result on the premises of each some sixteen-in-one stock.

On this demonstration chicken ranch there are very satisfactory eight-in-one, but no sixteen-in-ones yet. Time is needed.

The method of a new male every year, from outside, to mitigate the evils of previous close breeding (which are almost invariably present in a state on the outer fringe of the main realm of poultrydom where pure breeds have been cultivated the longest) would do passably well if the new males were always from stock not inbred. But over wide districts such cannot be found, and what happens? The first year the stock is improved a little by procuring a new outside male, and every year for a while the progeny is improved still another peg. After a few years, however, the poultryman's flock is

#### Pretty Fair

and much better than the new rooster he procures. The consequence is that as the "male is half the flock," he pulls down rather than improves, and attempts at "feeding the blood" (to use Uncle Isaac's expression of some forty years ago) by the continued use of inbred sires from out-



fine individuals (like the original Morgan horse, for instance), the products of lucky crosses, and gifted with the mysterious quality of prepotency. Even better and much stronger strains could have been built up by casting about for the best unrelated stock for mates of the phenomenal sport and continuing the crossing. Complex Mendelian laws would baffle, of course, sometimes helping and sometimes hindering, but this has always happened under the inbreeding method. The whole fundamental plan of all living things, animal or vegetable, of all races and tribes, is to outcross with unrelated mates and with those not too diverse in general character.

There is a very general failure to recognize the good effects of outcrossing, whether there is anything the matter



with the stock or not. It is good for any strain, no matter how thrifty. It is not merely a cure for evils following close breeding; it is

#### Good in Itself

and nature's universal prophylaxis as well as universal medicine. It is the very foundation of every improved race of plants or domestic animals. When line breeding is resorted to after benefits of crossing better than usual have turned up, what is this line business for? Why, simply to hold onto the benefits of crossing for fear they will get away from you—that's all.

To show how writers are constantly putting the

#### Cart Before the Horse

I quote from a regular contributor in the late issue of the American Poultry Advocate, as follows:

"Were it not for line breeding we would have no pure races of fowls. Every character of form, feather and fecundity has been stamped and fixed by inbreeding. This could have been accomplished no other way."

Beg pardon. Not so, but just the reverse. Amend, for truth's sake, and make it read, "Were it not for outcrossing we would have no pure races of fowls. Every character of form, feather and fecundity has been stamped and fixed by outcrossing. This could have been accomplished in no other way."

If by race is meant the White Leghorn race, for instance, then it was the outcrossing of centuries before Columbus discovered America that gave the material for its Italian foundation. If by "race" is meant the whole Mediterranean race—Black Spanish, Buttercups, Leghorns, White, Black, Brown and all—then it was built up, strengthened and maintained by outcrossing. The same applies to the Hamburgs, Dorkings, Games, and all other races.

In more modern times was a sub-division of one of these main races (sub-race, really) desired, say a Black Hamburg? A cross of two promising unusually dark birds was



its foundation. Inbreeding may have been resorted to later merely to hold fast what blackness was procured but, mind, the same degree of blackness could have been grafted repeatedly, and finally fixed, and on much stronger stock, too, by repeated selection of dark birds without any line breeding at all, though our writer erroneously says there is no way to do it other than line breeding.

Still another meaning of "race." Suppose it means the made-up breeds, Plymouth Rocks, Wyandottes, and such like. Always crosses to obtain what you want and inbreeding later, for a picket rope to keep it from getting away.

Now, to reinforce my position. Crossing enables remote ancestors to get in their pull. Deleterious influences of weather, diet, attacks of pernicious germs, famines, and such other enemies as beset all flesh, are lying in wait to attack every animal race. By crossing there is opportunity for repelling enemies through remote ancestral influences. Many poultry writers seem to think that disease (or constitution inviting disease) tends to prevail in progeny over the opposite tendency, that is over the tendency to inherit ancestral strength or is at least as potent as the latter. Not so. If there is a streak of extra health and vigor somewhere back among ancestors nature draws on that, when progeny is



formed in preference to weakness. She will go back a thousand years or a million, to get what she needs. Were weakness or inferiority, such as may appear in one of the parents, just as often inherited as good traits are, every race of living things would go to wreck after a while. That is easily seen, for often a parent is in a condition showing something wrong, owing to accidents or transgressions, and were these abnormal conditions as prone to be inherited as normal conditions are, the cumulative effects would in time sweep all living things off the face of the earth.

The writer above quoted says, "An outcross often increases fecundity and sometimes vigor, as the same inherited weaknesses are not apt to be present in both parents, but this is all the effect on vigor out crossing will produce."

In the first part of the quotation, if the words "often" and "sometimes" should be stricken out, the first part would be true. His statement further on limiting the good effects of out crossing is both mistaken and mischievous. The very crossing itself will increase vigor of the stock whether there is weakness in one parent or in both or where there is none in either as all Darwinians correctly contend.

The inherited qualities as a whole, proceed in general one-half from the immediate parents and the other half from all the other previous ancestry put together, so says the great Galton, the father of modern study of heredity.

In the forming of a new being, qualities from every ancestor near and remote are available, and when there is in either parent weakness, or a constitution likely to be unable to ward off disease, Nature selects from the entire stock of traits of the whole ancestry those which will repair the weak places and neutralize what would otherwise be unfavorable heredity. She is by no means compelled to always select just one-half of her building material from the two immediate parents. In general it is about half. If there was a decided cross in the parental union



then there is a greater diversity in the remote ancestry for her to draw on in repairing weak spots than if the parents were related.

Not domesticated races only have been formed by endless crosses through long periods of time, but all wild races, species, and varieties have been made by crossing and when made they

#### Breed True

in a way to laugh to scorn the "fixing the type" of the poultry fancier who inbreeds.

Variations being imminent at any stage in the duration of a wild species, and favorable variations being preserved from time to time under survival of the fittest, it then oc-

curs that the new improved strain, embodying the favorable variations, increases faster than the old but does not run it out entirely. The species is, essentially split, and there is a new sub-species.

What does Nature do? She must check such mix-ups as this or the whole realm of life would be a chaos of different breeds. Anarchy would reign. The answer is simple. The sub-species and the old, cross and keep crossing until the differences are obliterated and then there is what is virtually a new species created, mind, by crossing and not by inbreeding, and thus Nature secures uniformity in the species, throughout its myriads of members, a thing the fancier with his flocks never does by inbreeding.

## An American Hen Now Leading

In the National Egg-Laying Contest, the English Pen is Still Gaining, However---S. C. Brown Leghorns and Barred Ply. Rocks Tie for May



THE American breeders have at least one thing to be proud of in the National Egg-Laying Contest at Mountain Grove, Mo. A Buff Wyandotte hen from Vermont now leads all other hens with 167 eggs to her credit for the six months and a half, or a total of 197 days. An English S. C. White Leghorn hen has held first place from the beginning of the contest. This English pen holds the pen record with a total of 1,338 eggs for this period. This pen has also laid about one hundred soft-shelled and unmarketable eggs, which, if they could have been credited with, would have put them far in the lead. Only nine hens in this pen laid marketable eggs in May and they

are not so far ahead but what they can easily be caught. The total laid in May was 12,455 eggs and this runs the grand total to 59,975. May was the hottest month experienced at this place for more than ten years. We lost two hens as a result of the heat, and this hot, dry weather is affecting our egg record considerably.

A pen of S. C. Brown Leghorns from Fulton, Mo., and a pen of Barred Plymouth Rocks from Sioux City, Ia., tied for the silver cup for May, each pen laying 239 eggs. Two Buff Wyandotte pullets, No. 860 from Vermont and No. 600 from Missouri, each laid 31 eggs in the 31 days. The last mentioned pullet has laid 62 eggs for 62 consecutive days. She will have to lay 20 more eggs to equal Lady Showyou's record of last year.

The pens which have thus far laid more than 1,000 eggs are as follows:

No.	Eggs
2 S. C. White Leghorn, England.....	1,338
19 Silver Wyandottes, Iowa.....	1,108
23 Silver Wyandottes, Illinois.....	1,105
57 Black Langshans, Missouri.....	1,095
20 White Wyandottes, Arkansas.....	1,044
49 Black Langshans, Missouri.....	1,043
33 Barred Plymouth Rocks, Illinois.....	1,041
30 Buff Wyandottes, Vermont.....	1,038
56 White Orpingtons, Kentucky.....	1,018
9 S. C. Brown Leghorns, Missouri.....	1,013
26 Buff Wyandottes, Missouri.....	1,007

It will be seen from the following that every pen of Black Minorcas made a great record for May. The pens laying over 220 eggs each for the month were as follows:

No.	Eggs.
9 S. C. Brown Leghorns, Missouri.....	239
39 Barred Plymouth Rocks, Iowa.....	239
11 Black Minorcas, Iowa.....	235
17 Black Minorcas, New York.....	235
26 Buff Wyandottes, Missouri.....	235
8 S. C. White Leghorns, California.....	225
5 Black Minorcas, Missouri.....	225
10 Rose Comb White Leghorns, Missouri.....	222
2 S. C. White Leghorns, England.....	221
32 White Plymouth Rocks, Missouri.....	221
40 Rose Comb Reds, Missouri.....	220

Two pens tied for first place, three tied for second place, and two tied for third place for the month.

The highest individual record for the first seven months last year was 156 eggs. For fifteen days less time this year,

three hens have already exceeded that record. Lady Showyou had laid 150 eggs by the last day of May last year. The highest records thus far this year are as follows:

No.	Eggs.
860 Buff Wyandotte, Vermont.....	167
66 S. C. White Leghorns, England.....	166
600 Buff Wyandotte, Missouri.....	164
735 Black Langshan, Missouri.....	154
62 S. C. White Leghorn, England.....	154
65 S. C. White Leghorn, England.....	153
61 S. C. White Leghorn, England.....	150
871 White Wyandotte, New Jersey.....	148
55 R. C. White Leghorn, Missouri.....	145
67 S. C. White Leghorn, England.....	144
857 Buff Wyandotte, Vermont.....	144

#### Third Contest for 1914.

The Third National Egg-Laying Contest will begin at the Missouri State Poultry Experiment Station at Mountain Grove, December 1, 1913. Requests are being received every day for places in this contest. Only three pens of ten hens each, or a total of thirty hens of each variety, will be accepted. An absolutely square deal is insured every contestant. Not an egg will be sold from any pens for hatching. Each pen should consist of ten early maturing pullets. Liberal prizes will be offered. All of the leading varieties should be represented in 1914. Write the Experiment Station at once for a copy of the rules and regulations governing this next contest. Liberal premiums will be offered for the best record made by each variety, also sweepstake prizes, and a silver cup for each month. The best breeders of each variety and the specialty clubs should see that their varieties are properly represented.

#### The Feeding Test.

The pen which is being fed according to the Canadian method went to first place this month, and the one with feeds of all kinds before them at all times dropped back to second place. Each pen consists of five S. C. White Leghorns and five Buff Orpingtons. The pen fed according to the Canadian method has laid 930 eggs, and the one with feed of all kinds has laid 928 eggs.

#### Pen No. 66—Egg Farm Method.

This pen is being fed according to the method recommended by a large eastern commercial egg farm. The mash being fed was manufactured by this farm and was bought direct from them. This pen is also fed a mustard bran which is highly recommended by this farm. So far it is 282 eggs behind the above pen which leads in the feeding test.

This pen is fed as follows:

#### Grain.

Winter—	4 parts cracked corn
	2 parts wheat
	2 parts oats
Summer—	2 parts corn
	4 parts wheat
	2 parts oats

Feed a little less than one quart to ten hens only at night. No grain in morning.

One pound of mash to each ten hens.

Use mash and green cut bone.

Add five heaping teaspoonfuls of mustard bran to the mash for every ten hens.

The Missouri State Poultry Experiment Station has just



issued Circular No. 2, which reads as follows and is applicable to other states about the same as it is to Missouri:

#### SWAT THE ROOSTER.

He Spoils One-Half Million Dollars' Worth of Missouri Eggs a Month, From June to October, Each Year.

"Swat the Rooster," should be the motto of every Missouri poultry raiser for the month of June. In fact, conditions are such that the governor would be fully warranted in issuing a proclamation designating the first day of June as "Rooster Day," and urging the farmers and poultry raisers of the state on that day to kill, sell, or separate the roosters from their flocks.

Absolutely millions of dollars' worth of Missouri market eggs are spoiled every summer because they are fertile, and it is the Missouri farmers and poultry raisers who are losing this tremendous sum each year. The eastern egg buyers have discovered by years of experience that ONE OUT OF EVERY FIVE eggs coming from this state is a bad egg, and they make the price to us and our egg buyers accordingly. So it is the PRODUCER who loses, after all.

After the hatching season is over, there is no longer any reasonable excuse for keeping the males with the laying hens. Some people imagine that the hens lay more eggs if the roosters are allowed to run with them. This is a mistake. On the contrary, careful experiments have shown that a flock of hens will actually lay more eggs if the males are not allowed with them.

Because the deterioration which takes place in an egg is not easily visible to the naked eye, as it is in fruits, vegetables, etc., people do not realize the fact that it is one of the most perishable of all food products. This is especially true of the fertile egg. A fertile egg kept in a warm room will become unfit for eating purposes almost as quickly as milk. It is a mistaken idea that a fertile egg has to be in

an incubator, or under a hen, in order for the germ to begin to develop. A very large per cent of the eggs candled out every summer by the carlot shippers and the wholesale egg dealers are fertile eggs in which the germ has started to develop, and then died when subjected to a lower temperature, thus causing decay to set in. A fertile egg, kept in a warm room or hot country store for even twenty-four hours, will be unfit for food on account of the growth of the germ.

INFERTILE eggs, laid by hens with which no male is running, will keep in good condition for two weeks, or even longer, when subjected to a temperature which would spoil a fertile egg in twenty-four hours. To illustrate this fact, a cake was recently baked at this Experiment Station, in the making of which infertile eggs were used, that had been in an incubator for fourteen days, subjected to a temperature of 103 to 104 degrees. The cake was eaten with a relish by a dozen men, who pronounced it first-class in every respect.

When the farmers of this state get to producing infertile eggs during the summer months, they will, as a result, eventually get a much higher price for their eggs. UNTIL they do this, there is not much hope for an improvement in prices.

In conclusion, it may be said that there are five simple rules, which, if carefully observed by our poultry raisers, will increase the selling price of Missouri market eggs to the extent of several million dollars a year, and make them sought after in the fancy egg markets of the world, instead of being, as they now are, practically shunned by these markets. These rules are:

1. Give the hens clean nests and plenty of them.
2. Gather eggs at least once daily (twice daily during hot weather).
3. Keep eggs in a cool place.
4. Market eggs at least twice a week in warm weather.
5. Kill, sell, or confine all mature male birds as soon as the hatching season is over. "Swat the rooster!"

## Making Money From Broilers on Farms

Systematic Methods in Breeding, Feeding and Management Are Essential to Success

By James B. Morman, Kensington, Md.



THE POULTRY SIDE of farming is a promising branch of agriculture. While egg production seems to be the chief end of poultry keeping, the raising of fryers or broilers for the early market may be turned to very profitable account. In my judgment too little attention has been given to the profits which can be made from the culls in chicken raising. With the ruling prices for well-fed broilers weighing about two pounds each, there is easy money to be made by the wide-awake poultry keeper any time of the year.

To secure the highest profits, however, there ought to be some consideration given to preparing the broilers and marketing them satisfactorily. If one's time is worth anything, the question of marketing poultry products with the least loss of time enters into the account. Sometimes it may be best to dispose of broilers to reliable wholesale dealers either by personal delivery or by shipment of stock. In the best markets prices for broilers are high and remunerative. But profits from poultry keeping on farms or on the commercial plant may be increased by means of private trade, for this ensures much higher prices than can be secured of the wholesaler.

With the development of a safe and sound system of postal express, the opportunity for profit making from poultry products was never better than it is at the present time. Under any circumstances, the production of broilers from the culls of the average flock of spring chickens may be made a very profitable source of income at a time of the year when ready money is in great demand, and while one is preparing for a profitable winter egg production. The raising and fattening of young cockerels for the broiler trade in connection with the selection and careful feeding of the most promising pullets make it possible to add materially to one's income providing a sufficient number of the right kind of poultry are kept for the purpose. There are, however, certain factors of success in raising broilers profitably and I propose to discuss them briefly in this paper.

Too many farmers lack system in the management of their poultry. This is particularly true in the middle Atlantic

and many southern states, and some of the experiment stations have recently called attention to this fact. For egg production and the broiler trade these states offer exceptional advantages over many others particularly in the North and West. The moderate winters and early springs make it possible to start chicken raising quite early; and, with careful feeding and management, it is possible to put two-pound broilers on the Washington, New York, and other prominent markets at a time of the year when prices are very high and the demand brisk. The experiment stations in Maryland, West Virginia and North Carolina have recognized the importance and great possibilities of this trade and are exerting every reasonable influence on farmers who keep poultry to adopt systematic methods of raising and managing their flocks.

The most important suggestion is the improvement of farm poultry stock. There is altogether too much indifference regarding the value of maintaining the vigor of poultry no matter for what purpose they may be kept. The farmer who lets his flock run down will not succeed either in the profitable production of eggs or broilers. The experiment stations are constantly urging farmers to be more careful in culling their young birds for marketing purposes or for domestic use. Bulletin 221 of the North Carolina Experiment Station, besides giving the farmers of that state some good advice on fitting broilers for market to put them in prime condition as quickly as possible, adds this statement with reference to selection of chickens for marketing which is probably true of farmers in many other states: "The farmer very often makes a very serious mistake in taking the largest and best developed chickens for market and keeping the smaller and poorer chickens for his own use. This may bring better money returns for the time being, but a few generations of this practice will bring the whole flock to the level of the culls."

Recently a prominent mine owner of Virginia called at my poultry plant with a view of purchasing some stock for his country residence in that state. He informed the writer that the section of country in which he lived was occupied by farmers who owned or rented small farms averaging about 25 or 30 acres; that the farmers depended almost entirely on poultry for any ready money they received, most of the poultry being shipped to Washington, D. C., as broilers when two or three months old; and that the farmers had paid so



little attention to the effects of inbreeding on the vitality, development, and egg-laying powers of their fowls that many flocks had degenerated into puny mongrels which were not fit for profitable broiler trade and of no value as egg producers. Too many farm flocks of poultry in all parts of the country have had the size and vitality of the fowls reduced to a low level by this method of culling young broilers for market.

For the broiler trade, the maintenance of a vigorous line of fowls is the first consideration. Consequently, the pick of the flock from both the male and female sides should be kept on the farm for breeding purposes and the introduction of new blood every year is practically necessary for maintaining the highest vitality of the fowls. While this method of selection may diminish the farmer's income temporarily, it will prove much more profitable in producing a race of more rapidly growing broilers in a generation or two. The ordinary methods of handling and marketing young chickens for the broiler trade can be greatly improved to the great financial advantage of the farmer. The present system, which is typical of a large part of the South, simply results in the farmer cheating himself. Culls which prove of little value for maintaining the vigor of flocks may be easily turned to profitable account by being fitted for the broiler trade without much additional expenditure of feed or labor.

Another consideration of some importance in raising young



chickens as broilers is to keep one or more of the heavier breeds of fowls, such as the Plymouth Rocks, Wyandottes, or Rhode Island Reds. Many markets prefer white-feathered chickens for the broiler trade because the pin feathers do not show so prominently and the chicken presents a fine appearance when well dressed. With the heavy breeds of fowls broiler raising may be made quite profitable, providing the chickens are not marketed too soon. Here is where so many farmers make a grave mistake. After chicks have reached the age of six or eight weeks, they will with proper care grow more rapidly during the next four or five weeks than during the whole first period of their growth. In the commission markets in Washington I have seen so many crates of chickens being marketed for broilers that were not more than six or eight weeks old apparently. If they were older, then they were of very inferior size and quality for their age. The advantages to the farmer in keeping chickens for broilers until they are about twelve weeks old are that they require less care, grow more rapidly, and will bring a higher percentage of profit on the basis of feed consumed than for the first eight weeks. There is no reason why the farmer should forego these advantages for the benefit of the wholesaler or jobber.

If young chickens intended for broilers are sold a few weeks sooner than they ought to be, they do not always pass into the retail trade without further fattening. Many crates of young chickens sold to commission men for broilers are

either sold again to persons who make a specialty of fattening them for a special trade or they are bought by private residents of city suburbs, who feed them for a month or two longer before using them for the table. The rapid gains during these few weeks make of it a very profitable undertaking by either party except the farmer. He has deprived himself by premature selling of his chickens of at least 25 per cent of the profit he might have had by holding his broilers until they were at least twelve weeks old. These are some of the most important elementary factors which make for success in broiler raising.

#### Practical Feeding and Management.

Few farmers realize that chickens grow much more rapidly than any of our domesticated live stock. The weight of a newly hatched chick is about 1½ ounces, but a chick of the heavier breeds of fowls should with proper care weigh about two pounds when ten or twelve weeks old, or nearly 25 times its original weight. This extremely rapid growth requires systematic and liberal feeding if chickens are intended for the best kind of broiler trade. In this regard, one of the most rapid periods of growth is between the ages of eight and sixteen weeks. Up to the time chickens are selected and culled for the making of broilers, I give them all the same kind of care. The first aim, of course, is to avoid losses by death, and to this end little chicks are fed only dry feed and are provided with well-lighted, dry quarters until they are six or eight weeks old. Then, if the flock is large, the less promising of the cockerels should be carefully sorted from the others and fed by themselves. With small flocks of chickens, say from 100 to 150, this separation is scarcely necessary, as liberal feeding for a few weeks at this age will be of advantage to all the growing chicks. Under no circumstances should the pullets be sold for broilers. With the growing demand for fall and winter egg producers, it is far better to keep the pullets to maturity when they can always be made to yield a profit if kept for egg production by the farmer, or can be profitably sold for this purpose to others. This is another advantage of keeping good stock on the farm. For the rapid growth of a small number of broilers, I have found the following method very successful:

The chickens are first given a little cracked corn and wheat thrown into some litter in their quarters about six o'clock in the morning. About eight o'clock they are let out of their pen into a limited grass range where they are given a hearty wet mash composed of four parts bran, two parts wheat middlings, and one part each of corn meal, meat meal, and cracked corn. If sour milk is on hand this is used for wetting down the mash; if not, water is used supplemented by the wastes from the table, the whole being moistened only sufficiently to make a light, crumbling mass. At noon, the chickens are given all they will eat of a grain mixture composed of two parts cracked corn and one part each of wheat and oats. The same grain mixture is given again at about six o'clock and a small amount sometimes just before they go to roost.

In addition to the limited grass range, the fattening cockerels are provided with water-tight shelters from the wind and rain, plenty of fresh water, and oyster shell, sand, and grit. It is also to be borne in mind that growing chicks require a large amount of lime and phosphorus for the formation of bone and tissue. To meet this demand and hasten their rapid growth, they should be liberally supplied with abundance of mineral and animal feeds. It is true that chickens have the power to a limited extent of making use of these elements derived from inorganic soil sources; but as some soils are deficient in lime and phosphorus, no mistake can be made by supplying the chickens with oyster shell and animal protein feeds like beef scrap, meat meal, cut fresh bone, or waste milk products.

While there are, undoubtedly, many improvements which can be made in methods of poultry management, there is certainly no greater need at the present time than more systematic methods of raising and marketing spring broilers. The improvements here suggested are derived from personal experience. If practiced to a larger extent on the farms of our country, they would not only mean more dollars in the pockets of farmers from the sale of broilers; but, by building up more vigorous flocks of fowls, the egg production would be increased, which would mean additional profits without more labor or expense. These are prospects to which our farmers should give due consideration.

#### A Test of Profits.

The prevailing high price of all kinds of meat has had its effects in raising the price of poultry. Broilers are usually sold live weight. The farmer spends no time in killing and dressing his stock, and this in itself is no small factor at a time of the year when time is valuable. Providing the cost



of raising broilers is not excessive, it is a branch of poultry keeping which takes little of the farmer's time and labor. This in connection with the price at which broilers can be sold makes the matter worthy of trial. To this end I kept an account last year of the cost of raising broilers, and I append an itemized statement of the cost of raising 52 spring broilers to the age of twelve weeks. The feed bill was approximately as follows:

Cracked corn .....	\$ 4.00
Wheat .....	1.45
Meat meal .....	1.00
Bran .....	1.60
Middlings .....	.80
Corn meal .....	.90
Oats .....	.65
Oyster shell .....	.15
Total .....	\$10.55

This shows the cost of raising a broiler for feed alone to be a little over 20 cents. Adding 5 cents as the value of the egg from which the chick was hatched, the total cost is about 25 cents.

At the time the broilers were twelve weeks old they weighed from 2 to 2½ pounds each. The wholesale prices

for large lots on the Baltimore and Washington markets ranged at that time from 25 to 27 cents per pound, jobbers' prices on small lots being still higher. A broiler, therefore, of the weight given was worth at wholesale prices from 50 to 68 cents. This gave a clear gain of from 25 to 43 cents each as the income for labor and profit—a gain over cost of production ranging from 100 to 172 per cent.

If, however, the farmer can build up a private broiler trade, which is possible in many parts of the country, there is opportunity for still higher profits. Retail prices and private trade prices are at least 5 cents higher per pound than the wholesale or jobber prices, so that on this basis there would be a profit of about 200 per cent above the cost of production. The profits in systematic broiler raising, therefore, are sufficient to attract attention in this day of severe competition and high prices.

It is to be regretted that our farmers do not pay more heed to the poultry side of farming. By selling chickens for broilers from four to six weeks sooner than they ought, by keeping small breeds of fowls, and by a lack of attention to the maintenance of the vitality of their flocks, many farmers are to-day cheating themselves out of legitimate profits which would not only pay them interest on their investment, but would give them paying returns for their labor. Surely these plain facts and figures are worth considering.

## How to Get the Best Value

Work Should Be Arranged Conveniently and Records of Receipts and Expenditures Kept *By Mrs. E. F. Hammersley, Kingston, Mass.*



**A** WOMAN'S WORK in caring for poultry may be much or little, as she has the ingenuity to arrange it. After one has worked with great inconvenience with equipment which uses up both time and strength unnecessarily, it is time to exercise a little thought and energy in bettering conditions. Women have from time immemorial clung to the same utensils used by their grandmothers in preference to adopting many of the newer labor-saving devices for lessening the burden of household drudgery. In her work with poultry she has for the most part been content to follow along the same lines, her labor

being considered of little value and consequently of not sufficient importance to be considered. Women are now, however, getting to the point where, if the whole or a part of their time is spent in work with poultry or gardening, or any other line of work, there must be sufficient in the way of remuneration to make it worth while. This means that a woman who undertakes a line of work with the determination to succeed in it is going to figure out the best means of getting best value for the time she spends on it.

My work with poultry has been of short duration, but in that time I have been able to discover a good many ways of saving time and steps in my work. For instance, we fitted up the southeast corner of the barn for poultry, dividing it in four pens and in order to have it strictly an open-air apartment we added a lean-to after the style of the front section of the Woods' open-air house. This projects out about seven feet from the main building and is tightly roofed and covered with wire netting on three sides, the fourth side being the barn to which it is attached. This open-air compartment is easily constructed and inexpensive and solves the problem of open-air housing when the whole or part of an old building is used. But the fault I have to find with mine is that it is too low for convenience, being only about four feet high where it joins the other building and sloping down to about three feet at the outer edge. Six or seven feet at the highest part would be none too high, with a slope down to five or six feet, and the saving in time and temper would be well worth the added expense.

In hatching chicks I have used hens exclusively and am well pleased with the results. The main secret in handling broody hens is to give them a chance to do their best and then let them alone. They will not stand for too much interference on the part of their owner. After the chicks are hatched and with a good mother they need the same treatment. I have lost very few, raising about ninety-five per cent. Hawks are at present out worst enemy. For these I know of but one remedy and a neighbor, who is also interested in poultry, has this season shot eight full grown hawks,

all of which were hovering over his chicken field. Last week I armed myself with a shot gun and felt quite proud to injure the wing of a hawk who was hurriedly making his escape from my back lot with a February hatched chick. He dropped the chick, but was not sufficiently injured to drop himself.

In the care of chicks I give them a good grass run, as I consider plenty of green food and open-air quarters half the battle. One good mother hen brought out thirteen chicks from thirteen eggs on the 24th of February and in less than two weeks they were chasing all around over the snow. They are now well developed chicks and have not had a single setback.

A very important part of the poultry woman's work is that of keeping accounts. I feel that too much stress cannot be laid on this matter. So many of us are so apt to be slipshod and careless, or feel that we are too tired to attend to it at times, and so get out of the habit, but it is the only way of knowing just where you stand. I take a great deal of pride in keeping an exact egg record of my birds and have from the start. If it is of no greater value than that of the encouragement it imparts, I am fully repaid for my effort.

Herewith is a record for one year from a pen of 47 White Plymouth Rock pullets:

January .....	421	August .....	538
February .....	859	September .....	459
March .....	998	October .....	197
April .....	648	November .....	62
May .....	786	December .....	219
June .....	627		
July .....	444	Total .....	6,258

Line-breeding involves inbreeding, but is not inbreeding but only the breeding in line of a certain strain of fowls with a definite ideal in view. As generally practised line-breeding consists of carrying several lines of blood within the same strain and mating together birds unrelated or only very distantly related and only inbreeding when some desirable variation in type or color appears that one desires to finally fix upon the entire strain.

Practically all breeds and strains of fowls were produced by inbreeding. And not only breeds of fowls but of horses, cattle, sheep and swine were also produced by inbreeding. The Hereford and Polled Durham cattle, for instance, were each produced from a single cow. But inbreeding to produce a new breed is generally very different from inbreeding an old established strain. Most all breeds have been produced by inbreeding, the product of a cross of two or more breeds. By the crossing a great variety of types and colors are produced and likewise great variation in the internal organism of the different birds. Because of this variation one may inbreed much longer and closer than would be possible with an old breed, having established uniform characteristics.



# EDITORIAL

WE LEAD  
OTHERS FOLLOW

60,000 A. P. J.'s FOR JULY, 1913.

State of Illinois, County of Cook, ss.:  
G. M. Atwell, president of the Atwell  
Printing House, Chicago, being duly  
sworn, certifies that the American Poul-  
try Journal has contracted for printing  
and binding sixty thousand copies of  
the July, 1913, issue.

G. M. ATWELL.  
Subscribed and sworn to before me this  
17th day of June, 1913.  
(Seal) HENRY G. EISERT,  
Notary Public.

## OUR GUARANTEE.

We guarantee our subscribers against  
loss due to fraudulent misrepresentation  
in any display advertisement appearing in  
the American Poultry Journal, providing  
the subscriber when ordering the fowls  
or merchandise states that the advertise-  
ment was seen in the American Poultry  
Journal, and places the order during the  
month or months in which the ad is in-  
serted in our columns and notifies us of  
the fraudulent misrepresentation of the  
advertiser, giving full particulars, as soon  
as it occurs.

## Go to Atlantic City.

Whether you are a member of the  
American Poultry Association or not,  
if you are interested in poultry, we ad-  
vise you to go to Atlantic City in Au-  
gust and attend the 38th annual meet-  
ing of the A. P. A. If you are not a  
member it will be a good time to join  
during the convention. You can at-  
tend the meetings whether you become  
a member or not, but every live poul-  
tryman ought to get into the associa-  
tion and help boost for better things.  
You can do your part if you will.

The program for convention week  
will be found in another column. Read  
it. You find at least a dozen reasons  
why you should go to the convention,  
do you not? The place is right. The  
time is right. And if you go you will  
have a right good time and get some  
right helpful information.

Everybody ought to visit Atlantic  
City at least once. It is worth travel-  
ing a long distance to see the sights  
of the original "Queen City by the  
Sea." There is only one of the kind  
and you want to see that one. Whether  
you live inland or on the coast you will  
find interest and pleasure in an excu-  
sion to Atlantic City. August is an at-  
tractive time to visit the seashore and  
you can make convention week at At-  
lantic City a memorable vacation. You  
need a vacation excursion, anyway,  
don't you?

Railroad rates from your home town  
to Atlantic City and return should be  
the lowest summer resort excursion  
prices. See your local railroad agent  
and get special rates for the conven-  
tion. If he hasn't got them, tell him  
to ask "the man higher up" and re-  
port to you.

A. P. A. officers assure us that At-  
lantic City hotel rates will be moder-  
ate and that good accommodations can  
be had as cheaply as in any city in the  
United States. On arrival, report at  
once to the Entertainment Committee

## AMERICAN POULTRY JOURNAL

TRADE MARK REGISTERED, NO. 74,059.

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Look at the address on your wrapper.  
See that it is absolutely correct and no-  
tify us of any mistake, no matter how  
slight. Note the expiration date which  
appears thereon, as American Poultry  
Journal stops with the issue marked on  
your wrapper.

If you change your address give both  
your old and new address as well as your  
subscription number when notifying us of  
the change.

AMERICAN POULTRY JOURNAL is  
the oldest poultry paper in America. It  
has a national and world-wide reputation.  
The best writers on poultry matters con-  
tribute to its columns. It receives the  
patronage and endorsement of the fore-  
most representative breeders of standard  
poultry and manufacturers of poultry ap-  
pliances in the country.

at A. P. A. headquarters, Hotel Den-  
nis, and you will be shown every cour-  
tesy and directed where to find com-  
fortable hotel accommodations that are  
within your means.

Atlantic City abounds in all kinds of  
amusements. The five miles of board-  
walk along the ocean front, with its  
many pleasant resting places where you  
can enjoy the sea breezes and view the  
crowds, is sure to hold your interest and  
afford you much pleasurable entertain-  
ment. Don't miss it.

Go to Atlantic City for the conven-  
tion.

## Boomerang.

Australian natives have a singular  
weapon known as the boomerang which  
when thrown by a skillful man will  
travel a long distance to strike a blow  
and then return to a point near the  
thrower. It is said that a clumsy  
thrower may be hit and injured by the  
return of his own missile. Frequently  
the intemperate abuse of others, by a  
man who misuses his editorial privilege,  
acts like the boomerang in the hands  
of the clumsy native and injures only  
the man who makes the foul cast.  
"Nuff said!"

The following letter is only one of  
many received the past month refer-  
ring to a lengthy editorial in a well-  
known poultry journal for May:

"Sir: After reading about 4½  
pages in an American publication  
regarding a certain breeder who  
was found guilty of faking in the  
showroom, I was amused to find  
so many faked pictures of 'win-  
ners' in the same journal.

"When a breeder does any fak-  
ing in the showroom, he is attempt-  
ing to deceive the judge (one man)  
which is the definition in the  
Standard. When a breeder has a  
faked picture published in a poul-  
try journal he is deceiving thou-  
sands of people; in fact, every-

body who sees the journal (which  
is 60,000 in this particular case,  
according to their guaranteed cir-  
culation) and with the assistance  
of the publisher.

"The editor of the journal re-  
ferred to evidently thinks it is all  
right to retouch a photo to the ex-  
tent of rounding out the breast,  
nicely arching the neck, putting a  
beautiful curve on the back, short-  
ening up the tail, etc., and in parti-  
colored birds replacing defective  
feathers with perfectly marked  
ones, and then publish this 'ar-  
tist's dream, as a true likeness of  
the winner of first prize at some  
great show. But it was a terrible  
crime for this particular breeder  
to 'daub on' a little coloring on a  
couple of wing feathers on a live  
specimen.

"Now, I don't believe in this  
faking of any kind and would like  
to see the poultry press do more to  
stop it, BUT I DON'T BELIEVE  
IN SINGLING OUT ONE MAN  
AND KICKING HIM WHEN HE  
IS DOWN. I believe in practic-  
ing what you preach and I also be-  
lieve that 'to err is human, to for-  
give divine.'

"I would like to see you (the  
daddy of them all) give us an  
article on this faking and show us  
the difference between the show-  
room and the poultry journal va-  
rieties.

"Yours truly,  
"W. M. K."

Toronto, Canada.

We believe it is up to the American  
Poultry Association to draw the line  
between faking and "conditioning"  
for the showroom and between actual  
and retouched portraits for publication.  
Undoubtedly there is much question-  
able "conditioning" of birds which  
gets by without punishment. Like  
many other cases of violation of a  
written law, there is a tendency to



make a "goat" of the man who gets caught. It is all wrong to so apply punishment that it makes it appear that the crime is in "getting caught with the goods," rather than in breaking the law, but it seems to be the way of the world. The man who steals a loaf of bread to fill a starving body may get a long sentence, while the man who steals millions to gratify his greed and lust often goes free. Until we breed and educate mankind differently things are not likely to change much in this respect, and betterment will be a gradual process.

Making laws and rules won't help matters much. It has been said that laws and rules are only made to be broken, and it frequently appears that way. Forbid a thing, say "thou shalt not," and immediately a desire is created for the forbidden thing.

Faking will cease only when men become sufficiently sportsmanlike to desire to win on merit. There is no credit in winning on a faked specimen. The poor dupe, who essays to deceive the judge, deceives himself most of all. He knows that if he wins, he wins through fraud and he can't get away from it in his innermost consciousness; he knows he is a fraud, that he won by fraud, and that the winning had no merit of true sport and fanciership in it. There is a satisfaction in winning on a specimen that was bred with care and skill and that won through real merit, that can't be had through winning on a specimen that gets by because it deceived the judge. Commercialism has more to do with showroom abuses than all else and it is doing its best to make "fancy for fancy's sake" a dead letter. Sportsmanship and the love of true standard-bred merit ought to count larger than it does, but in too many instances dollars and advertising, and anything to get 'em, appear to be the main object.

Conditioning for the showroom should never be more than training and grooming the specimen to present it in clean and attractive condition. More than that is faking and the man who denies this knows all the time he is in the wrong. There are some men who bleach plumage and dope legs, lobes and head parts, who would consider it a crime to pull an off-colored feather. There are those who will pull an offending body feather, but speak with horror of the guilt of one who pulls a flight or colors a tiny spot on a feather that cannot be removed without being missed. Individuals differ in the interpretation of the law and of the manner in which the line shall be drawn. Yet, unquestionably, conditioning a specimen so that blemishes are blotted out, covered up, or removed is faking under the Standard.

Why not cut out all the disqualifications and show the birds "as is"? Disqualify only for changing the natural and normal appearance of the specimen. Perhaps that might help. Perfection is a rare bird and we have yet to see a specimen that does not sport a blemish.

As to illustrations, we would like to see actual unretouched photographs of fowls in natural poses. The fowls as they really look and are. But the pictures are made to please the owners and how many owners will be satisfied with photos that are not idealized? They want a picture that will show the bird as they would like to have it look rather than as it is. Faking is

wrong, there is no right about it, and it is just as bad to fake the picture of a bird as to fake the specimen itself. In actual deception of the buying public the faked portrait is probably the worst fraud.

In brothels and other places where cowardly bullies congregate the fashion of "putting the boots to a man" or "kicking him when he is down" was started long ago. Report says the practice then was, after the victim had been downed, for the valorous bullies to jump on him with both feet and endeavor to mark up his features with their heavy boot calks. The person resorting to such practices is seldom held in much esteem, though he is sometimes feared by those unable to strike back. Maybe atavism is responsible for the outcropping of such tendencies.

The man kicked usually gets sympathy and sometimes more substantial benefits. In the case referred to by our correspondent the breeder who has been the object of so much editorial boot-putting has thereby been injured very little, if at all, and has received many hundreds of dollars' worth of free advertising that has brought him business as well as sympathy, and letters in plenty to other publishers condemning the "putting the boots."

#### Billingsgate.

According to scientists the spring of 1913 has been a period of general unrest, social, civil, commercial and terrestrial. "Mebbeso!"

At all events, it appears that there must have been some unrest in some joint editorial offices, or in the editor's liver, if the flow of vitriol and billingsgate in certain May journals is noted. My! My! What a siege of brainstorms!

We clip the following quotation from A. P. W. editorial, together with Editor Turner's comment from the Philadelphia North American for May 25th:

"The following appears in the May edition of the American Poultry World:

"In speaking of the big vote cast in this year's election, the editor of the American Poultry World states, as a matter of course, it is the keen race for the presidency that brought out the large vote, and he states that it will be a sorry day for the American Poultry Association when its highest positions of honor and usefulness have to go a-begging for capable representative men to fill them. The editor further states, that the disgruntled knockers, who have been unduly criticising the vote-by-mail features of the present constitution of the American Poultry Association, doing so on the ground that but a small portion of the membership takes a sufficient interest in the affairs of the organization to fill out and send in their ballots, will have to revise their plan of attack—either that or they will keep silent on this point for the present.

"This 'knocking' crew is a measley and mangy bunch, at best, in the opinion of healthy-minded, red-blooded folks. As a general rule, they consist of soreheads, who realize that they could not be elected to office, or of men who once held office and failed to make good.

"Honest, helpful, constructive

criticism is all right—but there is a wide difference between this and, first, the unasked-for carping of high-brows, who never-were-it; and, second, the empty, 'slams' of has-beens, who are astonished that good work should be done and real progress made after they have given up the helm and vacated the ship—by invitation or otherwise.

"We imagine that the editor would be surprised if he realized that others, surely his equal in every respect, differ with him. We are told that even Rip Van Winkle woke up at last. There is hope for others. Proverbs xxvi, 12."

While the editor is looking up the text suggested for his benefit by Mr. Turner, we would recommend that he read Matthew vii, 3. Also Bobbie Burns' tender lines "To a Louse," which run:

"O wad some power the giftie gie us,  
To see oursels as others see us!  
It wad frae monie a blunder free us,  
And foolish notion."

#### Separate the Sheep from the Goats.

We note that D. Lincoln Orr decided to vote against Chicago as a permanent home for the A. P. A. as a rebuke to the editor of this journal for running the advertisement of a certain breeder who was expelled from the A. P. A. four years ago and who many considered was punished with undue severity because of powerful influence working against him.

We wonder what has happened to so warp the disposition of the genial miller, or is he simply playing his instrument to the tune of "the man higher up"? No man in this world is so free from fault that he can afford to refuse a helping hand to one who has committed a fault and been punished for it, if that one appears to be making an effort to make good.

Mr. Orr makes his position look worse from the front by submitting that others may have committed as bad an offense, or worse, adding to it this opinion: "I say that does not make any difference. THEY HAVE NOT BEEN CONVICTED. A man is supposed to be innocent till proved guilty."

Can it be that Mr. Orr is an exponent of the creed that the real crime is GETTING CAUGHT in wrong doing? Why not separate the sheep from all the goats?

We don't know just how common faking may be. We have heard a lot of prominent men make light of it and joke about it, just as they will make light of other forms of wrong doing when the man doesn't get caught at it. If it is true that faking is common, there ought to be a way to stop it. Mr. Orr, as a judge, and the other poultry judges could put a prompt check on such practices if they would disqualify every specimen that has the appearance of being faked and would report all such cases, preferring charges with the show management and to the American Poultry Association, with a clear statement of the facts in the case. At nearly every big show we hear a lot of TALK about faking. Talk don't amount to much. If any person attending a poultry show has knowledge of a faked specimen being on exhibition, it is his duty to report it immediately and insist that the case be investigated. Don't wait for the man to



get caught and convicted and then jump on him. And, for goodness' sake, don't go around blowing your bazoo of gossip and innuendo just to make talk and to circulate rumors. If you know anything that ought to be shown up tell it to the proper authorities and stand back of it with the courage of your convictions. Play the game and help to make exhibiting the clean sport it should be.

It is no excuse for faking to fake because "others do it." There is a lot of rot about doing in Rome as the Romans do. Clean sport should be CLEAN. Birds should win on merit as they are bred and grown, not as they are doped up for show by a man skilled in "conditioning." If we should credit "rumor," which we don't, one could easily believe that "conditioning," like charity, covers a multitude of sins. YOU, reader, know best whether you play the game with clean hands or not. We don't believe that one offense ought to condemn any man for all time, but we'd like to see the person who does wrong made sorry for it and resolved not to offend again. **PLAY THE GAME WITH CLEAN HANDS.**

### Official Program of Atlantic City Convention.

Thirty-eighth Annual Meeting of the American Poultry Association, Atlantic City, N. J., August 11th to 16th, 1913.

Headquarters, Hotel Dennis, Atlantic City, N. J.

All meetings of the association will be in the Greek Temple on the Million Dollar Pier, and will be open not only to members of the American Poultry Association, but to the public generally.

**MONDAY, AUGUST 11TH, 9 A. M.**

Meeting of the Executive Board in the rooms of the Hotel Dennis. Sessions of the Executive Board will be held Monday afternoon and evening.

**TUESDAY, AUGUST 12th, 9 A. M.**

Meetings of the Executive Board will be held morning, afternoon and evening.

**WEDNESDAY, AUGUST 13TH, 9 A. M.**

Thirty-eighth Annual Meeting of the American Poultry Association called to order by the president.

Address of welcome by Charles D. Cleveland, president of the New Jersey Branch.

## Don't fail

to place your order for a son of Rockland 1st. He is one of the grandest Single Comb White Leghorns ever bred. Selections made in October, first come, first served. Write today, mentioning A. P. J.

**Ridge Egg Farm—The Dictograph Farm**  
K. M. TURNER, Prop. WEST NYACK, N. Y.

Address of welcome by Governor of New Jersey.

Address of welcome by Mayor of Atlantic City.

Response by Reese V. Hicks, president of the American Poultry Association.

Roll call of members by states.

Approval of minutes of last meeting.

Report of election commissioner.

Election of Board of Review.

Appointment of Committee on Credentials. (All credentials must be in the hands of the secretary before opening roll call.)

Report of Executive Board on applications for membership and charters granted to branches; annual report and recommendations. (All reports open for discussion as soon as made, and motions to carry their recommendations into effect.)

Annual report of the secretary.

Annual report of the treasurer.

Report of the Finance Committee.

**1:30 P. M.**

Report of Board of Review, under suspension of rules.

Report of Committee on Credentials.

Branch reports (all reports must be in writing, signed by the branch president and secretary, and in the hands of the secretary of the association before reports from each state are called for. No verbal reports or comments will be allowed.)

Report of Committee on Bureau of Lecturers, W. Theo. Wittman, chairman.

Report of Committee on Education and Experimentation, Prof. James E. Rice, chairman.

Report of Committee on Plymouth Rock Breed Standard, Arthur C. Smith, chairman.

Lecture: "The Science of Artificial Incubation," by W. R. Graham, poultry husbandman, Ontario College, Guelph, Canada.

Adjournment.

**7:30 P. M.**

Report of Standing Revision Committee on 1915 Standard, Reese V. Hicks, ex-officio chairman. (Bring your Standard with you for reference as to suggested changes.)

**8:30 P. M.**

Lecture: "A Review of Progress," by James E. Rice, professor of poultry husbandry, Cornell University, Ithaca, N. Y.

**THURSDAY, AUGUST 14TH, 9 A. M.**

Report of Standing Revision Committee, 1915 Standard (continued).

Report of Committee on Show Supplies and Blanks, W. Theo. Wittman, chairman.

Adjournment.

Trolley ride and clam bake at Longport.

**1:30 P. M.**

Report of Text Book Committee, Reese V. Hicks, ex-officio chairman.

Consideration of proposed amendments to constitution and by-laws.

Report of Market Poultry and Egg Standard Committee, R. H. Essex, chairman.

Report of the Committee on Government Co-operation, Chas. T. Cornman, chairman.

Report of Committee on Publicity, Frank B. White, chairman.

Adjournment.

**7:30 P. M.**

Address by Dr. Mary E. Pennington, chief of government's food research laboratory, Philadelphia, Pa.

Lecture: "Breeding for Egg Production," by Dr. Raymond Pearl, biologist, Maine Agricultural Experiment Station, Orono, Me.

Lecture: "The Science and Practices of Poultry Feeding," by T. E. Quisenberry, Missouri State Poultry Experiment Station, Mountain Grove, Mo.

**FRIDAY, AUGUST 15TH, 9 A. M.**

Inauguration of new officers.

New business.

Adjournment.

**1:30 P. M.**

Report of Executive Board; judge's licenses granted; new members elected; standing committee on announcements; election of treasurer announced.

Election of election commissioner.

Unfinished business.

Adjournment.

**7:30 P. M.**

Lecture: "The Commercial Egg Farmer," by R. C. Lawry, vice-president of the Yesterlaid Egg Farms Co., Pacific, Mo.

Lecture: "Common Poultry Diseases," by Prof. F. H. Stoneburn, poultry expert, Philadelphia, Pa.

Lecture: "Rearing Chickens," by Prof. Horace Atwood, poultry husbandman, West Virginia Agricultural College, Morgantown, W. Va.

Lecture: "Environment the Determining Factor in Production," by H. R. Lewis, poultry husbandman, New Jersey State Agricultural Experiment Station, New Brunswick, N. J.

**SATURDAY, AUGUST 16TH.**

Organized trips to leading plants and centers of production, by members desiring to visit these.

A number of entertainments, such as surf bathing, at all times on the world's greatest amusement beach, dancing in the Million Dollar Pier ball room, and many other amusements may be indulged in by those who desire.

Every member can, at his leisure, as a guest of the New Jersey Branch, take the benefit of an ocean chair ride the length of the board walk (about five miles) and also have the privilege of guides in viewing the city.

**Notice of Revision Committee Meetings.**

Meetings of the Standard Revision Committee will be held at Indianapolis, Ind., July 8, and at Atlantic City, N. J., on August 9, 1913.

Hours and hotels where meetings will be held may be had later by writing the chairman, as these details have not yet been arranged.

All persons, specialty clubs and associations having changes to suggest in the Standard of Perfection, are requested to either appear or send representatives to one of these meetings.

Reese V. Hicks,  
Ex-Officio Chairman.

Topeka, Kan.

## Martin's Regal Summer Sale



In order to make room for my large flock of rapidly growing chicks, I am offering for sale, 400 selected breeders at very low prices. Send for free sale list, giving description and prices, also 20 page catalogue. Eggs from prize matings, \$2.50 per 15, \$12 per 100. As usual Regal White Wyandotte Chicks will be winners at the early shows. Will have matured cockerels and pullets by September 1st. Book orders early. Mention Am. Poultry Journal.

**JOHN S. MARTIN BOX 51 PORT DOVER, CANADA**



### Death of Dr. Guy Blencoe.

Dr. Guy Blencoe was born at Alma Center, Wis., September 12, 1873, and died at the same place June 5, 1913, of chronic liver ailment, for which the most skilled physicians were unable to give relief. His illness covered a space of about three months, the last few weeks of which he was confined to his bed. He leaves to mourn his demise a wife, a son four years of age, with other relatives and a host of friends.

He was in his fortieth year and cut down in the midst of the hope of a bright future. He resided at Alma Center all his life, excepting the time he was at Normal School preparing to teach, and later, while he was at Ann Arbor, where he took a course in dental surgery, which profession he has followed in his home town for the past ten years.

He has held various offices of public trust, and was a member of the High School Board, at the time of his death. He was a man of high ideals and sterling integrity, and those who knew him best respected him most.

He has been engaged in breeding pure bred poultry for the past eight years, during which time he has built up a business with a reputation for square dealing that is national in extent, and among his many customers and associates he has gained many warm friends.

In establishing his poultry business he exercised the same good judgment that has been characteristic of all his undertakings in life. He secured the best that money could buy for his foundation stock and the wisdom of this method has been demonstrated in his successful winnings at Chicago and other prominent shows, and the many winners he has supplied his customers with, for shows both east and west.

He was very thorough in everything he undertook and the foundation he so wisely laid, richly deserved the success he attained. In his untimely death the poultry fraternity has lost a faithful friend and ardent supporter. But the plans he so carefully made will be carried out by Mrs. Blencoe, who has been his faithful coworker and wise advisor in all his poultry work. Mrs. Blencoe is

well qualified, both by training and ability, to assume the larger responsibilities now required of her. Their yards contain some of the best S. C. White Orpingtons and Anconas to be found anywhere, and with the assistance at her command, the business will progress in the future as it has in the past.

### DR. WOODS' NOTES AND COMMENT.

1913 seems to be full of war talk of one sort or another and the poultry field doesn't escape. War at any cost! Peace at any price! Won't somebody please find a happy medium.

Forget your troubles and plan to attend the American Poultry Association's thirty-eighth annual meeting this summer. If you are not a member, now is a good time to join. Everybody interested in poultry will be made welcome.

"The time" is August 11 to 16. "The place" is Atlantic City. If married, take "the girl" along. Bachelors needn't pine, for there will be plenty of American beauties on the sands and on the board walk.

We hope that the dove of peace will hover over the meeting, or roost on the presidential chair, and that no one seeking free advertising will desire an investigating committee to give 'em a spotless coat of whitewash.

We hope to visit the great summer poultry show, to be held on the Million Dollar Pier at Atlantic City, July 4th to September 1st, during convention week. Last summer we were disappointed as we were unable to get to Atlantic City until after the show had closed. We understand that great preparations have been made for this exhibition; that it will be given double the space occupied last summer, and that the list of entries is large, with promise of many fine specimens well worth seeing.

Massachusetts Agricultural College is to hold a three-day poultry convention

July 28, 29 and 30. Prof. J. C. Graham has arranged an excellent programme and on the last day of the meet the Massachusetts Poultry Association will convene. Among the speakers announced are J. L. Nix, of the Prairie State Incubator Co.; Prof. James E. Rice, of Cornell University; Franklane L. Sewell, Dr. Geo. S. Gage, Prof. E. M. Lewis, Geo. S. Eastman, H. D. Goodale and Henry Dana Smith.

Joseph Tolman, Rockland, Miss., reports an exceptionally good day-old chick season. Joe is enjoying himself these days and has a new Reo auto, with all the latest electrical equipment. When we stopped at his place one bright May afternoon he was just getting ready for a "75-mile spin after supper."

We note that R. P. J. accuses Mr. Bell, editor of this magazine, with sordid reasons for accepting the DeGraff advertising. Rot! We happen to know the facts. Several reputable publishers, after conferring with one another, decided to again accept Mr. DeGraff's ads, believing that he had been sufficiently punished for the offense he acknowledged several years ago. At the New York show Mr. Bell put the matter up to us and said he considered that Mr. DeGraff had been punished enough and that he believed he was playing the game fair and square, but that before he joined the others in accepting the advertising he would like to have us express an opinion on the subject. We agreed with him that the man ought to have another chance to make good. We know that Mr. Bell is not the kind of a man who sells his opinions, and he is prompt to turn down advertising accounts regardless of money loss when he is convinced that there is anything seriously wrong with the advertiser. He views both sides of a question before he makes a decision and, when his mind is made up, you can depend upon it that he does what he believes right, whether his pocketbook suffers or not. We are willing to bank on Mr. Bell's judgment, because we know it will be calmly and fairly given. We have never seen any ranting, raving

**U. R. FISHEL'S AD in this issue will interest you. Read it.**



## RUDY'S PERFECTION WHITE WYANDOTTES

SUPERIOR TO OTHERS THE ACME OF PERFECTION

### Eggs for Hatching

Get the best you can for your money. Don't buy eggs from questionable stock. They may be somewhat cheaper, but the outcome of the hatch will look the part.

Rudy's Perfection Wyandottes are known all over the country as the peer of the Wyandotte.

Get my mating list—free for the asking—and see the reasonable prices at which you can buy eggs from the Grandest Matings obtainable.

If you want to know all about breeding White Wyandottes, send for my Art Catalog. Absolutely the best book of its kind. Gives full information on how to succeed, how to take care of baby chicks, what to do when your fowls are sick. An article on how to fit birds for the show room is worth dollars to any breeder. Send 10c in stamps to help pay cost of mailing, etc.

Pen of Prize Winners

My display of 40 male birds was the attraction of the great Chicago Show, December 12 to 17, 1912

**Geo. H. Rudy, R. 15, Mattoon, Ill.**



and going off half-cock on his part. He isn't that kind. As for the almighty dollar, the calamity howlers have another guess. We have personal knowledge that James W. Bell will dip down deep into his pocket to help a poor man out of a hole and do it promptly without question and without hope of reward. He isn't the sort that has to look into a man's bank account before lending a helping hand. As for greed and the worship of dollars and cents, we would suggest that those who work in glass houses would be wiser to refrain from starting stone throwing.

\* \* \*

Sometimes a knock proves to be a boost for the man who is the knocker's victim. In the case of DeGraff it looks as if he was getting a lot of free advertising that will bring him more sympathy and business than all of his paid advertising put together.

\* \* \*

A year ago some experiments made with flocks of 100 and 150 females running with several males gave us better fertility than small flocks of 15 and 20 females with one male. While in Assinippi the last week in May we stopped to call on J. H. Curtiss, veteran soft roaster man. He told us that he was convinced from his experience that flocks of 100 females with five or six males would give better fertility and better chicks than flocks of 25 or less. Naturally we were pleased to have this confirmation of our own experience. Mr. Curtiss, by the way, has succumbed to the lure of the automobile and this season is driving a 1913 Ford.

\* \* \*

Have you read The Poultry Index for May, published by The Index Publishing Co., Stoughton, Mass.? The editor has surprised us by talking right out in meetin' and getting a load of indignation off his system. He isn't afraid to say what he thinks. This matter calls to mind that famous saying of Lincoln: "You can fool some of the people all of the time, and all of the people some of the time, but you can't fool all of the people all of the time." Wonder if we are approaching the turn in the long lane?

\* \* \*

When a man does wrong, admits it,

and is severely punished after conviction, he should be given a chance to make another start and do right. It is considered a contemptible and cowardly act to hit a man when he is down under punishment. The fact has been pretty well established through the ages that you can't do wrong and continue to get away with it. And you can't rage through this world like a mad dog biting everybody who gets in your way and continue to be respected by the rest of mankind. When a man lets a malicious temper get the best of his better judgment it is bad for the man and we are reminded that: "Whom the gods would destroy they first make mad."

\* \* \*

The editor of The Poultry Index intimates that among others we may have ventured an opinion concerning Grant M. Curtis. Unless our memory is seriously at fault we clearly expressed all that we had, or have, to say directly and personally to Mr. Curtis, from time to time, during the nine years or so that we were in his employ and our recollection is that we covered the subject fairly well.

\* \* \*

Nevertheless, no matter how righteous the indignation of Editor Standish, and the fact that we appreciate a man who has the courage of his convictions, we think he slopped the ink just a wee bit in his response. We don't like that blanketed reference to a "Massachusetts advertiser." We think he should have named his man, if he has facts to prove that any Bay State man is a "faker and cheat." A statement like that, when not identified, blankets too many good men with an onus that don't belong to them and we do not believe that Mr. Standish intended to do that. We have lived in Massachusetts a good many years and know a good many poultrymen, but we are at a loss to know who the Index refers to in that statement. If he has facts to prove the case, we hope he will present them. Meanwhile, we are going to look upon that part of his remarks as a slip of a zealous but somewhat heated pen.

\* \* \*

From Isaac F. Tillinghast, Factoryville, Pa., we have received a copy of

the first annual catalogue of the American Buttercup Club. The booklet is sold for 25 cents and contains the standard for Sicilian Buttercups, as adopted by the club January 8, 1913, list of club officers and members with constitution and by-laws of the organization, official reports, announcements and Buttercup history. There are nine illustrations.

\* \* \*

We acknowledge from Dr. T. P. Shaw, Department of Physiology, McGill University, a technical brochure on "Digestion in the Chick," an interesting and scientific study of digestion of chicks from one hour old to 24 days old. This is a preliminary report of experiments and statements and not given as final, investigations being continued. The report is too technical for popular reading.

\* \* \*

While Overlanding about Southeastern Massachusetts during May we stopped at the plant of F. S. Keith at Easton, Mass. Mr. Keith is doing a big business in baby chicks and day-old ducklings. Formerly he operated a big market duck plant, but had so much trouble with other residents who objected to a duck ranch near them that he finally switched over to custom hatching, carrying only a sufficient number of breeders to supply special eggs for his incubators. He now contracts with other breeders for hatching eggs and is furnishing chicks from seven varieties of Standard fowl and three varieties of ducks. He is a close student of artificial incubation and certainly is an adept at hatching liveable chicks.

\* \* \*

While in Easton we had good news of that veteran among duck men, James Rankin. We just missed seeing him and hope to look him up soon on our next trip to that vicinity. His friends tell us that he is hale and active and just as interesting and convincing as ever. We haven't had a duck chat with Mr. Rankin for so long a time that we intend to make a special trip to Easton for the purpose. He retired from active poultry business a number of years ago transferring his breeding stock and good will to F. S. Keith, in

# WHITE ORPINGTONS

## Superb Type and Superior Quality

### January and February Hatched Youngsters For Sale

Never have I found young chicks to prove more completely the claim made for them regarding TYPE and QUALITY than does my present young stock. It is indeed a remarkable line of cockerels and pullets hatched in January, February and March. As it is possible to detect any minor faults in birds after they are eight weeks old, and to form a pretty fair idea as to how they are likely to develop, I have placed on sale about 600 of the most promising White Orpingtons ever produced—large, vigorous, massive birds raised on acres of blue grass sod.

#### OLDER STOCK AT BARGAIN PRICES

Due to the fact that I must make room for younger stock, it will be necessary to dispose of a number of HENS and COCKS on the breaking up of my breeding pens. These, of course, must go at attractive prices, and here is an opportunity to get some foundation stock the stamina and vigor of which could only be arrived at through the wonderful blue grass range commanded by Russell Cave Poultry Yards as a branch of the renowned 5,000-acre Elmendorf Farm. High-Class Exhibition Specimens—I am now prepared to condition birds for the early shows. An extra line of Pure-Jersey young pigs for sale. Russell Cave Poultry Farm Elmendorf Stock Farm Louis Lee Haggin, Prop. R. 3, Box 1025, Lexington, Kentucky



whom he took considerable interest.

Yes, we were bitten by the motorbug this spring and blew ourselves for a 1913 Overland, and now we are wondering how we ever got along without a car. Though the worst roads this side of the Ozarks are to be found in our home town, there are good roads in the towns around us, and we have been neighboring quite a bit all along the south shore the past month. It isn't much of a stunt to visit a poultryman 30 miles away between dinner and supper time at home. We called on half a dozen poultrymen one afternoon recently and when we used to depend on our good black mare or the train it used to take us a whole day to make a short visit to one of them. From the indications this season the up-to-date poultrymen are finding that the modern motor car is a necessary part of the equipment and the best part of it is that it enables one to give a lot of pleasure to other members of the family while making business trips through the country and saving much time. We are very glad the bug bit and bit hard.

In a letter dated June 2, Secretary S. T. Campbell, of the American Poultry Association, writes us in regard to the Atlantic City meeting, August 11th to 16th, as follows: "A good many members are of the opinion that the expenses while at Atlantic City, should they attend, will be very high. Won't you please state in your journal that we have been quoted rates from several good hotels that will accommodate visitors with rooms at rates ranging from \$1.00 per day up. We have every reason to believe that this will be the most largely attended, as well as the best, meeting ever held by the American Poultry Association."

We are sorry that Secretary Campbell

did not send us a list of the best hotels quoting moderate rates. We would have been glad to publish same for the benefit of members who are strangers to Atlantic City and who do not know where to go for accommodations when they get there. We wrote to the secretary of the New Jersey Branch for a hotel list and rates, but at time of writing we have had no reply.

A state branch of the A. P. A. has been organized in Idaho and has elected Miller Purvis president and H. O. Tytherleigh secretary. Harry Collier reports that he is organizing a branch in British Columbia. Let the good work go on!

Secretary Campbell says he hopes to report five thousand members at the Atlantic City Convention of the A. P. A. We hope he does and hope also that every member who can will report in person at the meeting. The time and the place is favorable and the convention ought to be the biggest one in the history of the organization. Official program of the convention will be found in another column.

It is a good time now to begin planning for the Panama-Pacific Exposition at San Francisco in 1915. American poultry interests ought to be well represented in a poultry department that will be a credit to our "billion dollar industry" and to all poultrymen. Show your patriotism by doing your part to help. All departments of poultry work should be represented and we would like to see every state college in line to make a big demonstration in poultry husbandry. There have been plenty of appropriations of public funds made to cover expenses of state departments at the exposition and more will be made. Has your state done anything for poultry in this matter?

## \$190 Worth of W. Orpingtons Given Away

Here is an Opportunity to Get Some of the Best  
Blood in the Country Without Cost

Through the courtesy of Mr. Louis Lee Haggin, proprietor of Russell Cave Poultry Farm, Lexington, Ky., we are enabled to offer as premiums to subscribers of American Poultry Journal a \$100.00 breeding pen, a \$50.00 trio and \$40.00 worth of eggs to those who can write the three best articles on "Ten Reasons Why the White Orpington Is the Best Utility Fowl."

The prizes to be awarded as follows: To the subscriber of American Poultry Journal who writes the best article on above subject and forwards same to American Poultry Journal before August 1, 1913, will be awarded a \$100.00 breeding pen of Single Comb White Orpingtons, direct from the yards of Louis Lee Haggin, the great White Orpington specialist. To the one sending in the second best article will be awarded a \$50.00 trio of Single Comb White Orpingtons, direct from Mr. Haggin's yards and to the one sending in the third best article will be awarded \$40.00 worth of eggs from Mr. Haggin's best matings.

All articles to be sent to American Poultry Journal on or before August 1, 1913. This contest is open to subscribers of American Poultry Journal only.

We know there are a large number of

our subscribers who are interested in this variety of fowl who are capable writers and can readily advance ten reasons why the Single Comb White Orpington is the Best Utility Fowl.

Awards will be made by a committee of three, to be selected at a later date.

Announcement of the winners will be made and first prize article published in the September issue of American Poultry Journal.

The articles must contain at least 600 words and not over 1,200. All articles must be written on one side of the paper only.

We reserve the right to retain all articles sent in for competition and publish them if we so desire, whether they win a prize or not.

This is certainly a grand opportunity for subscribers of American Poultry Journal to get a start with some of the best White Orpington blood in the country.

In making this liberal offer to our subscribers Mr. Haggin has only one object in view, and that is to create a greater interest in White Orpingtons and to impress upon the people of this country the good qualities of this truly great variety of fowl.

## CHAMPION POULTRY

DEVELOPED

FROM ALL BREEDS OF CHICKS

If Matured Wil 1

Eaton's Climax Grain Mixture  
and Eaton's Perfection Mash

Our booklet FREE. Your dealer or

R. D. EATON GRAIN & FEED CO.  
Dept. J. Norwich, New York

W. Wyandottes



EIGHTEEN YEARS A BREEDER AND ADVERTISER IN THIS PAPER.



## July Sale of Partridge Rocks

During this month I offer every one of this years breeders for sale at "bargain prices." The most of these birds must go. They will be priced to sell quick for I must have more time and room for the 2500 youngsters that are growing. Every bird guaranteed to please or can be returned and I will refund your money, less return express. Don't wait or you will be too late. Buy a show bird, pair, trio or pen now and save money. Have several fine breeding males at \$3 each and up. Baby chicks and eggs at reduced prices. Remember my birds have won more firsts than all others at

CHICAGO, NEW YORK, TOPEKA, KANSAS CITY, INDIANAPOLIS, ETC.

S. A. NOFTZGER

Box 38 :: North Manchester, Indiana  
Originator of the Partridge Rock Fowl

## Cochin Bantams

Black-Buff-Partridge-White



We wish to state that we have scientifically bred the 4 Varieties of Cochin Bantams exclusively for many years and our strain has proven its exhibition quality throughout U.S. Not only when exhibited by us, but many of our customers have reported marvelous victories, (at such shows as Rochester, Pitts-

burgh, Pasadena and many other renowned shows), which were accomplished with specimens of our strain. Therefore The Real Cochin Bantams, America's Best Cochin Bantams are bred in Ohio at the Wahebe Bantam Yards and such quality cannot be found anywhere else on this great continent. Remember our pens are still mated and they contain the most wonderful quality ever selected. If it is your intention to win this season and to breed winners write the Home of America's Best Cochin Bantams, or you will be disappointed in your undertakings.

Wahebe Bantam Yards

Box 13B, Evanston Station Cincinnati, Ohio



# Notes from the Southwest

Conducted by H. H. Stoddard, Riviera, Texas



## VARIOUS THINGS.

IT IS EASY to get up a regular rodomontade about the glories of the Southwest. Much of the stuff contained in the boom literature of the land companies is just that exactly, it is stuff, though couched in terms so alluring it would beguile an angel, accustomed to the best there is.

It appeals very strongly to the indoor mechanic with bloodless complexion such as blacksmiths have, and to the careworn clerk in office or store.

It dilates especially on the ease of getting a living where nature is so kind as to make big bills for winter fuel, clothing and elaborate dwellings unnecessary, and where if we "tickle the earth with a hoe she will laugh with a harvest."

I have tried all along to be fair and tell **The Exact Truth** to the thousands of people who are

thinking of homes where slices off the edges of the big pastures, are surveyed into farms of ten, twenty, forty or more acres, near railroads, and put on sale. Some of these pastures contain over a million acres each like the one bounding Riviera to the west, all fenced and crossed fenced, and occupied by cattle or horses, and recognizing no fences, deer, javelins, coyotes, armadillos, wild turkeys, etc., are mixed indiscriminately.

As far as the eye can reach are great expanses of level prairies, ornamented with little groups of mesquite or live oak, as if for a city park, and "Fair as the garden of the Lord" as Whittier would sing.

The real estate agent, often with no more warm blood than a turnip, building on the natural resources of the country, appeals to inexperienced people with the "back to the land" bee in their bonnets, and they arrive here

utterly unfit to raise anything from the soil where conditions are so strange and puzzling, where certain plants do well only if put out at certain times of the year, and others will refuse to thrive at any season, while still others take to growth as ducks do to water, seed themselves everywhere and thrive like weeds in this rich soil. People sometimes spend all their loose change while learning "where they are at" become discouraged and curse the day they came.

The principal draw backs here are partly climatic and partly owing to the fauna and flora. Of the former there is the

### Heat.

which is almost unbearable when the sea breeze, for some reason, fails to start of a summer afternoon. The wise unacclimated person will do well on such occasions (which however are fortunately rare) to drop work and start for the shade of his bungalow veranda (they call it gallery here) which by the way should be low and wide with eaves far projecting.

The mercury may show only about ninety, it rarely goes higher but somehow the sun's rays seem very piercing. Perhaps it is owing to the air being so clear, or perhaps it is because the rays are so nearly vertical.

Another disagreeable thing is the wind which sometimes blows hard for hours at a time, carrying drifts of fine sand, and at other times sweeps along rain in streams. Such occasions are uncommon however.

In winter, closely following an unusually sultry spell,

### A Norther

will come with a suddenness surprising to the settler who has never experienced one. It does not taper on as winds commonly do, but strikes butt end first, pretty nearly takes you off your feet, and chills your marrow before you know it. The joke is that the thermometer doesn't say it is very cold. It may not be lower than thirty-five or forty, but owing to the temperature regulating machinery of your medulla oblongata having been set customarily the other way here, that is to repel heat, you think you are in the polar regions.

Speaking of the clarity of the atmosphere, this gives some of the most beautiful scenes by night, so resplendent is the moon, and so many more stars are visible than farther north. Summing up: The outs of the climate are not much of a menace because they come so seldom. The weather three hundred and fifty days in a year, is so superb that many big hotels will be built to accommodate one set of visitors in winter and another in summer. One has just been completed at Houston at the trifling cost of three million dollars. Now as for the

### Fauna and Flora

The poisonous plants are few or lack-



## 2000 SHOW BIRDS

GUARANTEED

Probably the finest selection of Barred Plymouth Rock show birds in all America. Write me TODAY.

**W. D. HOLTERMAN, FANCIER**  
BOX A1 : : : FORT WAYNE, INDIANA

## Keep a Kodak Record.

Preserve for future reference an indisputable record of your crops, your growing stock, the condition of buildings and fences and roads—by means of photographs.

Make sales of your stock by means of photographs; bring home ideas from other people's farms by means of photography.

You can make good pictures by the Kodak system. It's all very simple—and less expensive than you think.

Catalog free at your dealers or by mail.

**EASTMAN KODAK CO.,**

418 State St., ROCHESTER, N. Y.



ing altogether, but there may be some unknown fungoid growths that cause certain diseases of live stock, and eruptions on the feet of children who go barefoot. Sandals should be worn by all the children, say the doctors.

When it comes to noxious animals, the climate fosters certain micro-organisms like the hook worm germ, invisible at first but later discernible by the unaided eye, and promotes all sorts of insects that prey on crops and necessitate spraying and endless vigilance. Some very important crops however, seem completely exempt; and as regards poultry parasites, readers of this Journal have been repeatedly told that by avoiding the use of lumber the trouble about these foes is completely abolished.

Rattlesnakes? Yes, we have 'em, but they are not much of a menace and dwindle as the land is cultivated, just as is the case in the west, and should deter nobody from settling here.

The marauders that beset poultry, namely coyotes, badgers, skunks, coons, possums, bobcats, chicken snakes, hawks and owls, are not much of a nuisance all put together. When fences and coops are properly built, the percent of loss is now so small as to be negligible. In this district foxes, civets, minks and weasels are unknown.

Mosquitoes? Fewer here than in any part of New England or the Middle West that I ever saw. In some parts of Texas they are terribly horrible and horribly terrible.

The small ants are sometimes a decided pest. Only watchfulness will prevent an occasional raid that they will make by night on a hen and her brood. A preventative is to apply kerosene on the bottom of the coop, whether earth or boards toward night. Not more than one or two coops in a hundred will need treatment anyway therefore this trouble is not serious. The ants also enter houses so that kitchen tables and cabinets must have some sort of cup or dish filled with water for legs to stand in.

Malaria? None, and there is no disease peculiar to the region, while some diseases like catarrh and rheumatism are cured by living here.

The American Poultry Journal having been, historically the first publication to

#### Open Up

the Southwest to this specialty, and show the remarkable and unique possibilities of the region for an immense exportation of poultry products sure to be developed, it seems proper that the outs as well as the advantages should be faithfully depicted, and this task I have accomplished to the very best of my knowledge and ability.

Extenuating and concealing nothing, I say that on the whole this is nearer heaven than any place I have struck yet.

\* \* \*

There are beginners in great numbers who do not know what is meant by the Rancocas unit. It means simply a big flock of fowls, say one thousand or two thousand or more, at one roosting place.

The name originated from the name of a poultry plant in New Jersey where the idea was carried out extensively, and results published in book form. Perhaps the practice originated elsewhere, but at all events its notoriety seems to have sprung principally from the Rancocas Farm.

Way back in 1870, when there were

hardly any poultry books, I published one which declared that large flocks would never succeed. That error and more than a dozen other prominent points good and bad, were caught up and stated and restated in poultry books and papers, and farm papers, for forty years thereafter. This was not because the points were good or bad but simply because my book was the earliest publication in the infancy of first continuous rapid development of that remarkable

and truly gigantic institution, the

#### American Modern Poultry Interest

which now employs thought, labor and capital of so many of our ninety-two millions of people.

There never had been a large flock successfully kept in this country or Europe previous to the latter part of the last century. One was described as carried on over fifty years ago near Paris, the birds being fed principally



## Keeler White Wyandottes

The perfection of poultry breeding for beauty and utility. Line bred and pedigree bred for the past twenty years. Winners at Chicago, St. Louis, Washington, D. C., New Orleans, Dallas, Tex., Los Angeles, etc. **Stock Bargains**—Summer sale of breeders at bargain prices during June, July and August. Send for special sales list describing these bargains, it's free. 500 January, February and March hatched young stock that will be ready for the Fall fairs and early Winter shows. **Show Birds**—1,500 April and May chicks for the Winter shows. Birds washed, conditioned and shipped direct to any show room without extra charge. Sixty-page art catalogue of America's finest White Wyandottes free, send for it (stamps appreciated.)

Chas. V. Keeler, R. 11, Winamac, Indiana



Your Choice of

10,000

Ferris Leghorns



## 30% Less Than Actual Value

We raised 10,000 Improved White Leghorns this spring and you can get your pick of thousands of February and March hatched cockerels and pullets at 30% less than regular prices. These birds show splendid development, and they have the low, well spread tails, good heads, with white earlobes and smooth, evenly serrated combs; typical shape in all sections, with long backs and full breasts, and snow white plumage that you must have in order to win. We have been breeding winners for the largest shows for many years. We can furnish you with stock that we will guarantee to win at any fair or show where you want to exhibit. Ferris Leghorns are trapnested and will lay 175 or more eggs a year. We have been breeding them for egg production for more than 12 years. We ship on approval and insure all birds for 30 days. If they get out of condition we stand the loss. *Utility cockerels from \$2.00 up, pullets and hens from \$1.75 up.* We have a number of very choice breeding birds to spare that we have used in our best matings. Write us for further particulars; we will be glad to tell you just what we have. The summer prices make it worth your while to buy now even if you do not need the stock until winter. Males that will then cost you \$10.00 cost only \$7.00 now; the \$15.00 exhibition birds only \$10.50.

## We Can Ship Eggs And Chicks At Once On Receipt Of Order

There is still time to hatch chicks if you can give them good care. Chicks \$5.00 for 25; \$16.00 per 100 in June, \$4.00 for 25; \$12.00 per 100 after July 1st. Eggs, \$1.35 a setting; \$6.00 per 100 in June; \$1.20 a setting, \$5.00 per 100 in July. Safe arrival of chicks and fertility of eggs guaranteed. The above prices are for utility chicks and eggs. See catalog and mating list for prices of trapnested eggs and chicks, also the exhibition pens.

### Our Mammoth 132 Page Catalog is Free

It contains a lot of valuable information and will tell you all about White Leghorns and why they are best. Just write a postal today and let us send it and quote prices. Breed Ferris Leghorns and you will have eggs all next winter and can win wherever you want to exhibit. Take advantage of this summer sale and it will cost you very little to get a splendid start.

### GEO. B. FERRIS—The Ferris Leghorn Farm

905 Union Avenue, Grand Rapids, Michigan



on the flesh of superannuated horses. It was a hoax that had even more than the usual vitality of canards that are interesting to read, and was published far and wide. To the best of my recollection about twenty years were needed to refute it. The ghost would not be laid sooner.

The first large number of fowls under one ownership were either kept in small flocks yarded, or in small flocks scattered on the colony plan.

My guilt acknowledged, following is a quotation from pages 8-9 of this book:

"The domestication of hens was effected by building upon an original foundation. In understanding the nature and needs of fowls, it will assist

ing to manage poultry by thousands, only a proper regard for original nature will prevent failure. According to this nature they live during the breeding season in distinct families under polygamy. Each family group has by tacit agreement a part of the forest for its beat, and the exclusion of strangers of the same species secures privacy and tranquillity. They have their freedom, and in that word are comprehended the needful exercise, sun, pure air, shade and varied diet.

"Some plans upon a large scale have secured small separate flocks without freedom, and others have secured freedom without separation. Small flocks at liberty on district farms are successful because imitating the natural

sub-divide into flocks of one thousand each.

And yet it was true forty years ago, when the above excerpt was published, is now, and ever will be, world without end, that the birds in the small flocks will do better and lay better than the same number of individuals in the large flock. But not enough better to pay for the increased per capita labor and expense. I can see one thing, however, which is, that in big scale operations a destructive and previously unheard of epidemic disease would be vastly more difficult to control and save some birds out of the wreck, in case of mammoth flocks, than if there were smaller ones containing all the same number of birds.

So far as I know now, right down to date, the

#### Method I Would Advise

for anyone making egg farming a business in the southwest, and the one adopted by the new egg farming firm, H. H. Stoddard and Son, is as follows:

Suppose the farm is twenty acres or thirty acres, both being common sizes sold here. Or forty acres would be better. At or near the center of the tract, stake out the convergent yards for three large flocks of layers of different ages, one flock to be killed off every year. You can have one other yard for a flock of sitters, and have space left for a battery of pens for hatching purposes as described in this magazine, June issue 1913, page 970.

Now the idea is to have the four flocks all roosterless, and running on the same range, be it twenty or forty acres it makes no difference. Quarters for breeding birds and hens with broods are to be provided elsewhere.

Each flock must be managed so as to return to its own roost. The entire farm is to be foraged over. Leghorns will travel forty yards very quickly, and this or a little over is the extreme distance they would have to go to reach the boundary of even forty acres, the largest of the farms mentioned. They will range freely over a hundred and more acres.

There will be exceptional cases of a few birds going to the wrong roost at night but it will not happen to an extent sufficient to hurt the plan. A new flock of pullets to be domiciled at a roost in place of the oldest flock just sent to market must be started right, and this is not at all difficult. Simply confine them to the small yard their roost is in, till to them it is home,



Lady Amherst Pheasant as bred by Jennie Milner, Normal, Ill.

if we investigate the condition and habits of the wild parent stock in India, for the nature of any species remains essentially the same for long periods. The transfer of the birds from forest to farm, has affected their life and most important habits surprisingly little. The tame fowls have the same cries of warning to each other, and other language, that observers have found them to use in their native jungles; they still hide their nests in some corner, just as if they were selecting a nook in a thicket, and they are attached to the premises where they live, as they and all other gallinaceous birds are to some small district, when wild. The wild jungle fowl is by no means foreign to our subject; and in attempt-

groups of the wild jungle fowls. But when it has been found that a flock of twenty gave a handsome profit, and the number has been increased to hundreds, with the idea of correspondingly multiplying the gains, an unnatural mob has been formed, the hereditary instincts violated, and laying checked. The confusion has not however, lessened the amount of feed consumed and the pecuniary results have been the wrong way."

Now the experiments at Rancocas and several other places followed by my own Texas experiments have proved the large flocks a success. I should not hesitate (range being of ample area) to have the flock consist of three thousand head, if more convenient than to

**U. R. FISHEL'S AD in this issue will interest you. Read it.**

## PURITAN PARTRIDGE ROCKS

(THE QUALITY FLOCK OF AMERICA) 1,000 Hen Hatched Chicks 1,000. Bred from first prize winners at Chicago, Madison Square Garden, Indianapolis, Kansas City, Cincinnati and Louisville. Puritan Partridge Rocks are certain to be the big winners again this year. Mention American Poultry Journal when writing.

**BESUDEN BROS. : R. W. Sturtevant, Manager : BOX 359-B, CINCINNATI, OHIO**



## Buff Orpingtons

**MID-SUMMER SALE** I will not only OFFER but will SELL 75 per cent of my 1913 breeders. These rare birds will be sold in pairs, trios, pens or breeding yards of one male and six females—any way to fit the wish of the purchaser. I will mate in the correct blood lines and guarantee my selection or you may return and I will refund your money—The Martz way. Every specimen belongs to my trapped families and worth while to own. If you have the ORPINGTON FASHION PLATE BOOK, send for SALES SHEET; if not, get both—FREE. Mention American Poultry Journal when writing.

**A. E. Martz, Buff Orpington Specialist**

--:

**Box A, Arcadia, Indiana**



sweet home, before they are ever let out on the range.

The strong attachment which fowls have for their roost was recognized when the proverb, "lies are like chickens, they go home to roost" was coined. This trait and the disposition to keep within easy distance of a thicket, form the key to the system shown in Fig. 1.

During the day when at liberty each flock keeps on its own ground quite strictly. Departures from this rule are unimportant. People generally have so little opportunity to notice the behavior of separate flocks from separate roosting quarters turned loose on a large

Before going away a considerable distance from the line of shrubbery they mark well the whole situation, and when a hawk appears, they do not have to lose time looking around to find where their haven is situated. To mix metaphors like the military commander, they know the importance of a base line. Its whereabouts is constantly on their minds.

The coverts may be anything that they can dodge under. Low bushes are more attractive than tall trees. A few boards propped up will work wonders. The Chinese umbrella tree, because it thrives without irrigation and is a quick grower with remarkably thick

and bare, save for grass; and the other is the attraction of the roost.

\* \* \*

In May issue page 856, Irving C. Smith says my paper on the Pearl Bulletin in April number proves nothing and is merely "bold assertion." In the self same April number page 685 Mr. Smith had just been reading the favorable remarks of an authority no less than that of the editor of the Journal himself, to the effect that Stoddard had brought out something. Mr. Smith must be the "bold" one, the lion he is bearding in his den, is not poor me, but the most eminent poultry editorial authority in the world, bar

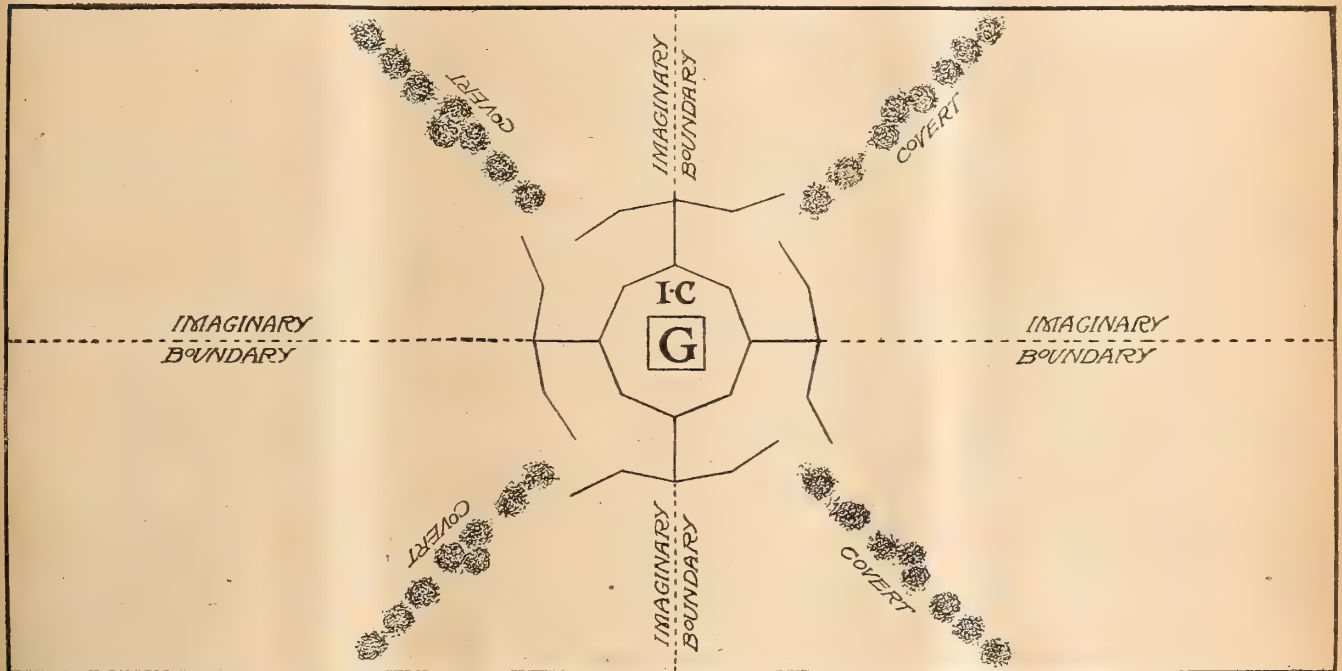


Fig. 1 shows how four large flocks of fowls can range on twenty acres by day, with no fences separating them, and occupy four different roosts by night. The diagram shows combination of three principles: Convergent yards, the colony idea and the Rancocas unit. G granary. IC inner court. See "Notes from the Southwest," by H. H. Stoddard, in this issue.

range that some of my readers will be incredulous.

The invisible wild nature of our domesticated birds can be relied upon every time. If there is anything they hate it is a venture out very far on a level plain destitute of trees, bushes, tall weeds or any herbage taller than ordinary grass. They will do it only when hunger is pressing and insects alluring. If there is a succession of coverts in a line leading forty or sixty rods or more away from home, and the area to the right and left of this line is completely open country, then you may observe that the fowls will spend three-fourths of their time near the coverts, and insect forage will be correspondingly scarce and dusting holes plenty there.

shade will probably be chief perennial and the balsam pear vine, which grows quickly without irrigation or fertilizer, will be the favorite annual, needing only a few sticks with a few square yards of wire fencing attached, and you have splendid covert and shade both.

If starting with new convergent yards with a stock of layers of different ages, let out one flock at a time and accustom it for ten days or so to its own line of coverts before letting out another flock. All it needs is a little diplomacy.

There are two attractions as different from each other as are the attraction of gravitation and the attraction of cohesion. One is the attraction of the covert when the rest of the range is open

none. I am justified in sitting on the fence watching the editor and correspondent fight it out, "go it bear, go it husband."

Want to say just a word, however, about Mr. Smith's preposterous demand for results of my experiments! Why the Pearl Bulletin has been out but a few months! The experiments would need three years at least. What is my critic thinking of? Surely he must have never learned the lesson of the saying, "Even a Deity could not make a two year old colt in a minute."

Three years ago no poultryman would have thought of trying experiments to prove that good laying abilities can descend from mother to daughter any more than of trying to prove that water can run down hill.

# CHAMPION BUFF WYANDOTTES

(AMERICA'S GREAT GENERAL PURPOSE FOWL) 1,500 Hen Hatched Chicks 1,500. They will be the winners at hundreds of the coming Fall and Winter Shows. We can furnish you Buff Wyandottes, guaranteed to win at any show in America. Mention American Poultry Journal when writing.

BESUDEN BROS. : R. W. Sturtevant, Manager : BOX 359-B, CINCINNATI, OHIO

# WHITE FAVEROLLES AND GOLDEN AND SILVER CAMPINES

White Faverolle eggs, \$6.00 per 15, \$10.00 per 30. Campine eggs, \$5.00 per 30, \$12.00 per 100. A 75 per cent hatch guaranteed or more eggs sent free.

AUG. D. ARNOLD BOX 777 DILLSBURG, PENNSYLVANIA





Shade is necessary for growing chicks and adult fowls. Don't forget it during the hot season. Provide shade and shelter from the hot sun and plenty of places to run under in sudden showers.  
\* \* \*

Supply an abundance of cool drinking water and keep the fountain in a cool, shady place if possible.  
\* \* \*

An abundance of fresh succulent greens is doubly necessary at this season. Keep your flocks well supplied.  
\* \* \*

Don't let lice and mites steal a march on you. They breed rapidly at this season. Use insecticides freely, but observe caution with liquid lice and mite killers, or even plain kerosene, for if fowls get soft parts wet with such liquids blistering will result and you may have some fatal cases.  
\* \* \*

Plan to attend the American Poultry Association convention at Atlantic City, N. J., August 11th to 16th. The Standard Revision Committee will meet there on August 9th. Don't forget the dates.

Breeding stock or layers ought not to be confined in houses at this season, unless the houses are thrown wide open and left that way. The birds would be much better off roosting in the trees in an orchard or grove and would show up in much better condition in the fall. If you want to get a really good summer egg yield, try keeping the flock in a grove that is cool and shady, no house at all and nests placed in cozy spots under trees and bushes. Supply an abundance of food in automatic feeders, provide plenty of drinking water and you and the fowls will have an easier and more satisfactory summer than ever before.  
\* \* \*

Don't permit pests like flies and mosquitoes to breed on your place if you can help it. Mosquitoes will breed in any little pool of still water. A few drops in an old can are sufficient. Common breeding places are uncovered cisterns and rain-water barrels. A very little kerosene on the surface of the water will put a stop to breeding and will kill the female mosquito when she attempts to lay her eggs in the water.

Flies breed in manure piles, vaults and all sorts of accumulations of filth. Scatter or sprinkle disinfectants freely about all breeding places. Keep things cleaned up. Compost should be tightly covered in or screened. Vaults likewise. Flies and mosquitoes are deadly. Destroy all you can. Screen them out of the house and keep all food protected by screen covers.  
\* \* \*

Plenty of clover this year. Cure yours for poultry feeding next winter. Select a good, warm, sunny, breezy day for the mowing. Mow after the dew is thoroughly dried off. Let it lie until evening and then make up into loose cocks. Cover cocks with tarpaulin or canvas covers to keep off the dew. Next morning spread in hot sun and breeze to dry. Do not shake out much. Place in loose bunches to avoid loss of leaves. Before dew falls make up into loose cocks as before and cover. Spread again the next morning and get into the barn as soon as thoroughly cured. Don't let it get wet. Should the clover begin to sweat, turn it over and dry again until it stays dry. When thor-

## JACOBUS' SILVER AND GOLDEN CAMPINES

Eggs Half Price for Balance of Season—Last year some of my best Campines were hatched in July and August.

M. R. JACOBUS

BOX 3-J

RIDGEFINLD, NEW JERSEY



## BARGAIN SALE IN BREEDERS

**RHODE ISLAND REDS** We are now offering some great bargains in breeding stock at less than half price. Here is a great opportunity to get some good stock at bargain prices. Eggs at one price the rest of the season; send for free mating list. We have young stock ready to win for you at the Fall fairs. Our beautiful catalogue of 64 pages printed in three colors, contains much valuable information; sent for 25c in cash or stamps. Mention American Poultry Journal when writing.

**Buschmann-Pierce Red Farms**

Box 39

Indianapolis, Indiana



## Some of the Many Bargains

We are offering during July will interest you, I know

**Five Hens and One Male, splendid utility flock . . \$10.00**  
**Eleven Hens and One Male, select breeders . . . \$50.00**

What more could you want in the way of bargains in

## WHITE PLYMOUTH ROCKS

THE MOST BEAUTIFUL AND PROFITABLE FOWL BRED

**BABY CHICKS**—From sale stock eggs, \$15 per 100, \$8 per 50; from yard eggs, 75c each. Can make immediate shipment.

**EGGS FOR HATCHING**—From our select matings, \$5 per 15; from sale stock, \$7 per 100, \$4 per 50.

**U. R. FISHEL'S SPECIAL SALE**—Always interests every one in the market for poultry. Send for a copy; it is free. **Better bargains than ever before.**

**U. R. FISHEL : BOX A : HOPE, INDIANA**



oughly cured it can be cut into short lengths and stored in bins or in sacks. Scald with slightly salted water before feeding.

\* \* \*

Don't make your plant one of the all work and no play kind. The world wasn't made in a day and the Lord Himself rested on the Sabbath. Get a little comfort and fun out of living as you go along, but when you work work, when you play play. Plan your work so that you can take a little vacation picnic once a week and give the family an outing. It will help you and help them and add a good deal to the efficiency of all concerned.

\* \* \*

Give the fowls a houseless vacation

during the hot season. Get them out into the orchard or grove. If you haven't any grove, rig them up an outdoor roost, enclosed with wire fence, and let them camp out this summer. If you work it right, you will save a lot of time and labor and the fowls will pay well for their vacation.

\* \* \*

While the fowls are out will be a good time to clean up the poultry house and sweeten things generally. Remove all old litter and nesting material and burn it. Sweep down walls and clean out the dust. Remove top layer of earth floor to depth of six or eight inches. Sweeten the whole house by spraying with a good disinfectant solution or with whitewash. When dry put in new, fresh

earth to fill in the floor.

\* \* \*

Whitewash will work better in a spray pump if strained through a coarse screen or through a double thickness of burlap sacking.

\* \* \*

Bury deeply all waste eggs and shells from hatching nests or from incubators. Burn all dead fowls or chicks. A little care here will save you dollars later.

\* \* \*

Have patience with oft-repeated advice for beginners and for small flock poultry keepers. All cannot be big fellows and there is always a big army of small flock poultry keepers who are mightily interested and very much in earnest.

## THE GREAT SINGLE COMB BUFF ORPINGTON SPECIALTY PLANT OF AMERICA

SUNSWICK POULTRY FARM, SOUTH PLAINFIELD, NEW JERSEY

Fine breeding and utility trios at \$10.00 and \$15.00. Pen specials for July at \$15.00 and \$20.00. Males at \$5.00 and \$7.50, all bargains. Hundreds of grand early hatched prospective winners for the Fall shows are ready for reserve order; write early and get the pick. Mention American Poultry Journal.

RUFUS DELAFIELD, OWNER

SEND FOR FREE DESCRIPTIVE CATALOGUE

## S. C. Buff and White Leghorn Bargains

Monmouth Farms are offering their 1913 breeders and line bred layers at prices which cannot be refused, quality considered. Also many of our 1912-13 winners at Madison Square Garden and Atlanta will be sold at greatly reduced prices. Remember Monmouth S. C. Buff and White Leghorns are the 20th Century dual purpose fowl. 500 Buff and White youngsters hatched February 1st, ready and in perfect show condition for the August and September fairs. Does this convey anything to you, fellow fancier? Mention American Poultry Journal when writing.

Monmouth Farms, J. C. Punderford, Owner, Thos. Lockwood, Sup't., Freneau, Monmouth County, New Jersey

## FLANDERS' S. C. WHITE LEGHORNS

Parmenter Strain—Latest Chicago winning sweepstake for most points, defeating N. P. Eastling and E. W. Grove; special for three best cockerels, first and fifth hen, second pullet, second pen and fourth cock. We have the birds and equipment and just watch us grow. Only a limited number of eggs for sale. A large number of yearling hens at great bargains and a few cocks and cockerels. Inquiries cheerfully answered. Come and see our plant and birds or send for free mating list. A postal brings it. Mention American Poultry Journal when writing.

Flanders' White Leghorn Farm : Robt. D. Parmenter, Manager ; Route 1, Box 80, Orchard Lake, Michigan

## 157 FIRST PRIZES AT MADISON SQUARE GARDEN, NEW YORK

HAVE BEEN WON BY THE BIRDS OF

## MAURICE F. DELANO

(SUCCESSOR TO OWEN FARMS)

Compare this record with that of any other breeder in America or combination of the leading specialty breeders in each of my varieties and it stands head and shoulders ahead. Only one conclusion is possible. That is, I have the best flocks in America in my varieties. 117 of these First Prizes have been won on the six varieties listed below.

If more proof be necessary simply add the hundreds of First Prizes that have been won by our birds in our own and customers' hands at every show of importance in the United States and Canada, as well as England, South Africa and Australia.

**BUFF ORPINGTONS**  
**WHITE ROCKS**

**WHITE ORPINGTONS**  
**WHITE WYANDOTTES**

**BLACK ORPINGTONS**  
**S. C. R. I. REDS**

### SPECIAL FOR JULY

12 Grand Pens of One Male and Six Females  
\$35.00 Per Pen

Superb value and way ahead of ordinary utility quality. Line bred from New York winners. Many fine chicks will be bred from these pens.

### Birds for Early Shows

Selected cocks, hens and January hatched cockerels and pullets for August and September showing. Sure winners and guaranteed to win your show if you wish it. State frankly your full requirements and my reply will be complete, and my quotation the lowest possible to make your winning and one you will gladly pay.

In September I expect to issue a complete illustrated catalogue. Until then copies of Owen Farms' catalogue and mating list will be gladly mailed you.



Try the DELANO Way and Receive DELANO Treatment and You Will Remain a Permanent DELANO Customer

Address, Maurice F. Delano, Prop. 107 William St., Vineyard Haven, Mass.  
Frank H. Davey, Supt.



# QUESTIONS AND ANSWERS

Questions will be answered in this department only when full name and address is signed by the writer.

Conducted by

Prince T. Woods, M. D.

**Toe Picking.**

Q. As a novice in poultry business I beg of you to advise me what to do to break up toe picking in a bunch of White Leghorn chicks. I have one lot about 17 days old and they seem to pick out the biggest chicks. I have a second lot of 240 that are all at it. Old poultrymen here try tar and other remedies applied to the feet and say that if a chick is not vigorous enough to defend itself, to wring its neck, as it is not worth raising. I have tried all methods advised. The last one puts the chicks out of their misery, but the other meth-

ods only prolong it. None of them break up the habit. The first two days I feed very scantily of fine cracked corn and fine cracked wheat, equal parts. The third day on, the corn and wheat in a hopper and a dry mash made up of the following:

- 10 pounds bran,
- 10 pounds corn meal,
- 10 pounds middlings,
- 5 pounds rolled oats,
- 2½ pounds fine beef scraps,
- 1 pound fine oyster shells,
- 1 quart fine white grit,
- 1 pint fine charcoal,

1 pound bone meal.

This is the ration used by the most successful plant here except that they never feed any grit or charcoal at any stage. They keep fine sand in hovers and pens. I tried that, but the sand was so hot and the droppings not absorbed that I took the sand out and put in a deep litter of fine cut hay and the chicks seemed less restless at night. Hovers 3 ft. square, 1 ft. high, heated by gas. Inside pens about 5x7. Outside runs 7x14 and sown to dwarf rape and wheat. Seventy-five to eighty chicks in each hover. Help me out, doctor, as soon as you can. I know you're busy, but would appreciate a short bit of advice as soon as you can conveniently get around to it.

H. W. S.

Vineland, N. J.

A. We wrote Mr. S. substantially as follows: There is nothing more discouraging than attempting to break bad habits of chicks or fowl after the habit is once formed. After they start toe

## GREAT COLISEUM POULTRY SHOW

AT CHICAGO, ILLINOIS

Fifth Annual Exhibition--December 12, 13, 14, 15, 16, 1913

**Our Past Record**—Four of the most successful shows ever held in America. **Our Aim**—The world's greatest poultry exhibition. We have paid more premiums and put on more real down-to-the-minute features than any other show in America or abroad. We lead, others follow. If a feature is good, you will always find us first to introduce it. Nearly every act of the Coliseum show has been followed by other successful exhibitions. Look for our 1913 list; it surpasses all the rest. **No Risk, No Chances, Everything Guaranteed**—We, the undersigned stockholders, pledge ourselves, individually and collectively, to pay every premium offered by us that is won by the exhibitors: Ernest Kellerstrass, Reese V. Hicks, E. E. Richards, Frank Hare, Geo. H. Rudy, Jas. W. Bell, A. and E. Tarbox, D. M. Palmer, J. C. Dinsmore, H. C. Dippel, C. S. Byers, Chas. G. Pape, A. E. Martz, Wm. A. Stolls, C. C. Coulter, Wm. A. Sibley, Theo. Hewes. Premium list Nov. 1st. Entries close Nov. 25. Your name on a card addressed to the secretary will guarantee that list will be mailed on time.

Theo. Hewes, Secretary

Indianapolis, Indiana



## S. C. RHODE ISLAND REDS

GRAND CHAMPION WINNERS  
NEW YORK, BOSTON, CLEVELAND and CHICAGO

Exhibition and breeding birds from  
our Champion winners at low prices.

Cocks, Cockerels, Hens and Pullets  
at prices that will interest you

EGGS from our New York, Boston,  
Cleveland and Chicago winners at  
\$10, \$7.50, \$5 and \$2.50 per setting.

Our book on Reds tells you How to Mate  
and Exhibit Reds. Sent on application.

J. G. Budde & Co., Oak Park, Ill.

"RED RAVEN STRAIN"  
S. C. RHODE ISLAND RED  
OWNED  
J. G. BUDDE & CO.  
OAK PARK, ILL.



picking or other forms of cannibalism you can't do much to help it. The only thing is to get the birds out on grass range, where they can have plenty of room and to keep them well fed and busy all the time. Prevention is the best remedy. Don't keep your chicks too long in the incubator after they get hungry, and keep the incubator darkened. When they are removed to the brooder keep food always before them. Provide clover litter to scratch in. Don't crowd them. Keep them busy all the time that they are awake. As soon as they get used to the brooder get them to use a run outside of it and increase this run as they learn to use run and brooder properly. An automatic feeder is preferable to a hopper. Keeping the chicks busy and providing an ample green run is the important thing. If you cannot supply a green run, provide an abundance of fresh greens and keep the chicks busy. Idleness fosters bad habits.

Just as we are getting this ready for A. P. J. we received the following letter of thanks from Mr. S.:

"Dear Sir: Many thanks for your kind favor of 19th. I have stopped the toe picking of chicks, turning them into an orchard and grass tract, giving them nothing but a homemade fireless brooder to sleep in at night, although they are less than a month old. Between trying to eat all the bugs and worms in creation and trying to keep warm at night, they haven't time to think of toe picking. Those that live through the ordeal certainly ought to be strong birds and they seem to be enjoying themselves and doing well under the treatment. Two out of 163 have died so far. Again thanking you for your courtesy.

H. W. S."

#### Dry Mash.

Q. Do you consider the following a well balanced dry mash for White Orpingtons, where wheat is fed morning and evening?

60 pounds bran,

5 pounds ground corn,  
5 pounds shorts,  
5 pounds cottonseed meal,  
5 pounds alfalfa meal,  
15 pounds beef scraps,  
5 pounds ground oats,  
6 pounds grit,  
10 pounds oyster shell,  
5 pounds dry bone,  
1 pound charcoal.

For feeding whole grain is a mixture of oats and wheat better than straight wheat, or equal parts wheat, corn and oats?

C. H. D.

Mampa, Idaho.

A. We do not care for the mash formula you suggest. Would recommend that you keep the scraps, grit, shells, bone and charcoal before the birds all the time in separate hoppers or boxes; don't mix them. For dry mash try a mixture of shorts or middlings, bran and ground oats, equal parts. Feed an abundance of fresh greens. You can mix their scratch grain and start with equal parts and then vary it according to their appetites, giving them the most of whichever grain they eat most eagerly. Usually wheat is the most costly grain. Corn and oats will give excellent results all seasons and you can do without wheat except when price of good quality grain favors feeding it as a variety food.

#### Locating a Woman's Plant.

Q. I have been long interested in poultry and intend starting the actual work. I have two places in view: Springfield, Tenn., about 30 miles from Nashville, and the other Pittsford, N. Y., about 5 miles from Rochester. I

think of starting with 200 or 300 White Leghorn pullets and increase my flocks as I can. I propose to do all the work myself at first, perhaps now and then a man for a day. I think of trying capons, too. What breed would you suggest for that branch of the work? Are the locations I mention O. K.? What sort of houses would you recommend for 200 or 300 layers? I wish to economize in labor.

Miss L. W. P.

Indianapolis, Ind.

A. The New York location would probably give best markets and best prices. We do not know anything about local conditions at either place. Unless there is some special reason for the location, it is probable that a plant nearer New York City would be easier to get established, and would probably not cost any more. The Woods open air house 20x20 ft. will comfortably house 150 Leghorns. See book "Open-Air Poultry Houses for All Climates," which may be obtained of Chicago office of A. P. J. at 75 cents a copy. On the Massachusetts South Shore Light Brahmas and Light Brahma males crossed on heavy White Plymouth Rock hens are considered best for breeding for capons. The males of either the Brahma straight or from the cross give a sturdy chick that grows well and that makes a big soft meat chicken when caponized.

#### Small Eggs.

Q. I have 175 year-old White Leghorns. They are laying well, but the eggs are very small. They have been on range until ten days ago. Now yarded in large well sodded yard and

## GIVE US A CHANCE

shown, send this AD TODAY. SEND NO MONEY. (Write plain.)

OCULUM, Box B, Salem, Virginia—GOOD, SHOW ME. Send me a 50c—\$1.00 bottle of OCULUM. If O. K., will pay you within thirty days; if not O. K., will tell you so.

NAME..... ADDRESS.....

To PROVE that "OCULUM" will CURE the WORST case of CHOLERA, ROUP, WHITE DIARRHOEA, BLACK HEAD, CANKER and GAPS; that it will PUT your flock in PINK condition and KEEP it so. Thousands of dealers sell it, but if you wish to be

# U. R. FISHEL'S AD in this issue will interest you. Read it. REAL BARGAINS FOR JULY

Am offering some choice trapnested Single Comb Black Minorca hens in laying condition and males that will improve any flock, at really bargain prices. Many a prize winner was hatched in July. Write your requirements in detail. Will assist you in getting started on a paying basis. Write today. Mention American Poultry Journal.

CHARLES G. PAPE -- BOX B-74 -- FORT WAYNE, INDIANA



## Silver Campine Cockerels

## Silver Campine Cockerels

I have 50 cockerels for sale, grand birds, beautifully marked, and now between three and four months old. I guarantee each has been sired by

1912—Silver King, First Chicago Cock—1912

Among these are the winners at the 1913 fairs and poultry shows. If interested, write me today.

FRANK E. HERING, South Bend, Ind.

Reference: THE AMERICAN TRUST CO., South Bend, Ind.





the eggs are getting smaller, though the hens are in good condition. Feed corn, middlings and wheat screenings.

J. V. D.

Hermon, N. Y.

A. There is a tendency for eggs to run smaller toward the close of a season of heavy laying. You can help size of eggs by feeding an abundance of succulent greens, keeping a good beef scrap before the birds in a food hopper and feeding plenty of whole corn and heavy white oats in addition to the screenings.

#### Leg Weakness in Chicks.

Q. Please tell me what is the matter with my small chicks. They are 4 or

## BUFF ROCKS

Am breaking up my breeding pens and am offering high class exhibition specimens of both sexes at very low prices, considering quality. Some of these birds have show records, other equally as good have never been shown. Mention American Poultry Journal.

C. E. CLAPP

MORGAN PARK, ILL.

## CORN

**HARVESTER** with Binder Attachment cuts and throws in piles on harvester or winnow. Man and horse cuts and shocks equal with a corn binder. Sold in every state. Price \$20. W. A. BUXTON, of Johnstown, Ohio, writes: "The Harvester has proven all you claim for it; the Harvester saved me over \$25. in labor last years corn cutting. I cut over 500 shocks; will make 4 bushels corn to a shock." Testimonials and catalog free, showing pictures of harvester. Address

NEW PROCESS MFG. CO., SALINA, KANSAS

## Anconas For Sale

Prize show birds a specialty. Utility stock from \$2.00 each and upwards. Satisfaction guaranteed. Mention A. P. J.

#### DIAMOND POULTRY YARDS

Dr. A. H. Hall, 394 Main St., E. Hamilton, Ont.



### The Paradise Way

of hatching, will hatch every kind of an egg but china. Low introductory prices still on. Satisfied customers throughout the world. Write now for big free circular.

Elmer S. West, Box 97, Ewing, Ky.

## DIRK'S RED MITE KILLER



One application kills all mites and prevents their reappearance during the season. Keeps fowls free from body lice. Makes scaly legs bright and clean. Keeps lard, pastry and sweets free from ants. Write today for special trial price.

M. E. DIRK, Box 102, North Baltimore, Ohio  
Marshall & Marshall, Niagara Falls, Ont., Distributors for Canada.

## Original White Wyandotte

breeder, over 20 years a leader! Winners at Boston and Madison Square Garden and my customers have won in every good show in the land. Already booked orders for the fall shows. Let me quote you. Beautiful catalogue for 15 cents in stamps.

Arthur G. Duston

Box 1020, S. Framingham, Mass.

5 weeks old and get weak in their legs. They seem to have too large bodies to carry. I feed on chick food and a little sprouted oats, also give grit and charcoal. They are White Orpingtons.

W. H. R.

Sioux City, Iowa.

A. Trouble mostly due to heavy grain feeding and not enough fresh green food combined with lack of exercise. Give the chicks a good grass run. Provide a scratching place where they can work for part of grain. If no grass run available, feed an abundance of succulent greens and keep the chicks busy. Don't overcrowd and don't overheat at night.

#### Two Things that are Not So.

Q. (1) I have been informed that when hens are broken up and not allowed to sit for several years that it seriously affects the egg yield. Is this true?

A. (1) Breaking up broodies won't check egg yield, but will tend to improve it in the flock immediately concerned. We presume you mean the effect of breaking up broodies for several generations. Egg yield probably would not be influenced in either direction by the breaking up practice, in that case.

Q. (2) Why do turnip tops cause hens to stop laying?

A. (2) They don't.

#### Analysis of Hen Manure.

Q. What is the chemical analysis of hen manure and what percentage of each element?

West Roxbury, Mass. J. L. C.

A. Percentages.

	Dried Manure	Fresh Manure
Moisture .....	8.35	45.73
Nitrogen .....	2.13	.79
Potash .....	9.94	.18
Ph'ph'ric acid .....	2.02	.47
Lime .....	2.22	.97
Magnesia .....	.62	..
Insoluble matter ...	34.64	39.32

#### To "Il Drake from Duck.

Q. Is there any way in which the male Indian Runner Duck can be distinguished from the female?

Massachusetts J. C.

A. Yes. The voice is the best guide. The drake makes a hoarse whispering note. The duck has a loud voiced, distinct "quack." The drake should have a hard well curled "sex feather" on tail.

#### Absorbing Yolk.

Q. Please give me some information in regard to the absorbing of the yolk of the egg by the chick before it leaves the shell. I have read in various papers about it, but cannot fully understand it.

Mass. J. L.

A. The "yolk-food" of the egg, contained in the "yolk-sac" is the food of the embryo chick during incubation. The yolk of the egg has two sacs. The smaller one (in the beginning) is the "embryonic-sac" in which the embryo chick is developed. The larger one (in the beginning) is the "yolk-sac." These sacs communicate with one another and the embryo draws on the food in the yolk-sac as it grows. So the embryonic-sac grows larger and larger as incubation progresses at the expense of the yolk-sac which grows smaller as its contents are assimilated. Within a day or two of hatching the yolk-sac, which is still of some size, is

slipped into the body of the embryo chick. Normally this remnant of the yolk-sac is absorbed by the tissues of the chick and dwindles away leaving only a small tab of tissue attached to the intestine. Sometimes it is not fully absorbed and may be found as a hardened sac attached to the intestine in a full grown bird. In some diseases of young chicks the yolk-sac is not absorbed and the contents remain fluid when chick dies.

#### Ration Wanted.

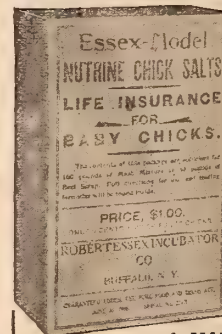
Q.—Do you think this is a good way

## Feed Pearl Grit—It Pays



It's a double-purpose grit. Clean, hard and sharp. Grinds the bird's food—helps digestion. Keeps hens healthy, helps them molt quickly, makes eggs. Send for our new valuable poultry booklet giving pointers and prices.

THE OHIO MARBLE CO.,  
10 S. Cleveland St., Piqua, Ohio



#### WE MANUFACTURE

Lice Dust  
Lice Spray  
Nest Eggs  
Head Lice Ointment  
Disinfectants  
Nutrine Chick Salts  
Gape Remedy  
Roup Remedy  
Cholera Remedy  
Chick Punches  
Chick Coops  
Chick Troughs  
Grit and Shell Boxes  
Food Troughs  
Water Fountains  
Leg Bands  
Spray Pumps  
Poultry Houses  
Etc., Etc., Etc.

#### and MAMMOTH INCUBATORS

### America's Largest Line of Incubators and Brooders

19 Styles and Sizes, \$2.25 to \$48

Send for our BIG FREE CATALOGUE containing illustrations of Best Brooders made—the kind that raise strong chicks. It also contains 5 Chapters on Poultry Raising written by Robert Essex, and 30 Photos of the latest Experiment Station Poultry Houses. Address nearest office.

ROBERT ESSEX INCUBATOR COMPANY  
3 Henry Street, Buffalo, N. Y. or  
67 Barclay Street, New York City

## Appco Shipsafes



Corrugated Boxes For Eggs, Day-Old Chicks, and all kinds of PARCEL POST Packing Boxes.

15-Egg Size .....	per doz., \$1.20
30-Egg Size .....	" 1.90
50-Egg Size .....	" 2.50
100-Egg Size .....	" 4.00

Use them as you gather eggs, turning daily. (Lots of One Dozen Only.)

SPECIAL OFFER, 10 Doz. 15-Egg Size, \$10.00

Pomona, California.

Gentlemen: "To test the Appco Shipsafe I sent a setting of eggs Parcel Post to New York City. It was taken up by the rural carrier in the usual manner, and arrived safe, sound and perfect. The Appco Shipsafe is safe."

Eversley Poultry Yards. Cornell G. Ross, Prop.

The Safest and Strongest corrugated box ever devised for shipping day-old chicks. Perfect ventilation, no crowding, light weight, low charges. Used all over the country by shippers of day-old chicks.

25-Chick Size .....	per doz., \$1.25
50-Chick Size .....	" 1.75
100-Chick Size .....	" 2.90

The Appco Shipsafe is accepted by all the Common Carriers and Postal Department. Write for "Poultry Bulletin."

AMERICAN PAPER PRODUCTS CO.,  
205 Bremen Avenue, St. Louis, Mo.



to feed: Dry mash and beef scrap in separate hoppers. Mash as follows: Bran, 10 lbs.; corn meal, 20 lbs.; middlings, 20 lbs.; ground oats, 10 lbs.; gluten meal, 10 lbs.; oil meal, 5 lbs.; alfalfa meal, 5 lbs. Oats fed in morning. Wheat at noon. Corn and busk-wheat at night. J. R. C.

Elmira, N. Y.

A.—The dry mash will serve well enough, but we would cut out the oil meal and would use cut alfalfa in place of the meal. Would also increase the bran to double quantity. Would feed the hard grain in an automatic feeder and would make it half corn and a quarter each of wheat and oats. If you wish, add just a sprinkling of buckwheat to the mixture. Notice which grains the birds eat most eagerly and then vary your grain mixture to suit the appetites of the birds, giving them

## BUFF WYANDOTTES

Jacks' Gold Beauty Strain always on top.

J. Carleton Jacks -- Litchfield, Minnesota

## CAMPINES AND S. C. W. LEGHORNS

Stock for sale in layers and show birds. Satisfaction guaranteed.

S. D. Hall, Box 78, Seville, Ohio

## RILEY'S BARRED ROCKS

I have exhibition birds growing fit to win any show in the country. This year's breeders for sale at rock bottom prices. Write me your wants.

Henry D. Riley, Box B, Strafford, Chester Co., Pa.

## BARRED ROCKS

FOR SALE

Chicago, Cincinnati and Indianapolis winners and birds bred from them at your own price. Let me know your wants.

J. Earl Hoover, R. 24, Matthews, Indiana

## WARREN HATCHERY CO.

A few yearling hens for sale.

Joseph L. Heston, Manager :: Springboro, Ohio



### RANGE-RAISED LAYING-LEGHORNS.

Acknowledged to be the supreme strain for vigor, productiveness and beauty—supreme layers of BIG white eggs: Acknowledged not only by Yesterlaid customers, but by seventeen state colleges and experiment stations that have bought Yesterlaid stock or eggs because of Yesterlaid superiority.

Yesterlaid strain will make good for you on the nest and in the show room, just as it has for hundreds of Yesterlaid customers.

Young and mature breeding stock for sale.

Write for prices and special new customer offer which includes free, a copy of POULTRY—The most scientific, simple and complete poultry book ever written.

Yesterlaid Egg Farms Co., Dept. 5, Pacific, Missouri

what they crave most. From time to time change the mixture according to the way the appetite of flock indicates. You will find after a time that usually good, sound corn and oats are most in favor and will yield you good results. Keep the beef scrap in a hopper by itself. The elaborate mash is not absolutely necessary. A mixture of bran and middlings or of "mixed feed" and cut alfalfa will serve. A change of mash now and then helps to improve appetites.

### Ruptured While Laying.

Q. Some time ago a Rhode Island Red hen seemed sick and upon examination I found that she had ruptured herself in laying an egg and the egg was still hanging with the intestines from her. A few days ago a White Leghorn hen did the same thing. I killed the hen in each case. Can you give me reason for this condition?

Mellen, Wis.

W. P. H.

A. Both ruptures of oviduct (which generally is considered to mean a break in walls of duct) and prolapse or eversion of oviduct and sometimes intestines (everted and protruding from the vent) are of not uncommon occurrence in both young and old fowl. Straining while attempting to expel an overlarge egg is the most frequent cause. Straining because of obstruction in oviduct, (egg bound) or because of obstruction in lower intestine (constipation and impaction of feces) are not uncommon causes.

Usually when the case is noticed it is too late for treatment and killing the bird is the only merciful remedy. When discovered in time remove the cause. Sometimes the injection of warm sweet oil will help to remove the obstruction. If bowel or duct is prolapsed (protrudes from vent), after removing obstruction bathe parts in warm water, dry, and anoint with warm sweet oil or vaseline and replace parts in as nearly normal position as possible. If parts remain in place twelve hours they will usually stay put, though one attack predisposes to another. After parts are in place you can help muscular contraction by applying a bit of ice inside the vent. This will stimulate parts to attend to their natural function. Don't use ergot, with fowls it is a very active poison with far reaching effects. In cases where there is impaction of hard feces (long standing constipation) first, after trying oil injection, see that bowel is thoroughly emptied by giving a good soap suds enema. The soapy water to be injected into rectum should be only lukewarm. At time of giving enema it is good practice to give the bird a dose of 1/4 teaspoonful of epsom salts dissolved in two tablespoonfuls of water introduced directly into crop. Water used for bathing prolapsed intestines should contain a teaspoonful of creolin to half a gallon of warm water.

### Color of Orpington Eggs.

Q. I have two pullets that were sold to me for White Orpingtons and they lay speckled eggs. These are only part of a small flock of Orpingtons and the rest lay brown eggs a little larger than the pullet's eggs. What is the right color of the eggs?

Ada, Okla..

J. C. B.

A. Orpington eggs should be brown. Like other brown egg varieties the color of the egg shell varies from a pinkish or pale brown tint to deep

brown and sometimes the eggs are speckled with brown spots, purplish spots or lighter colored tinted spots.

### Blistered Feet.

Q. My chickens have a strange disease which attacks them at all ages. Their feet swell and a water blister forms on top of the foot and between the toes and in the last stages the blisters form a scab and the toes curl up and they can't perch or scratch to do any good when they get well. At the same time the eyes go shut and their combs swell and there is a yellow watery discharge from comb and feet blisters until the scabs form. Most of them get blind and starve to death.

Snyder, Colo.

M. B. W.

A. This does not look like a disease to us. It seems more probable that the fowls have been blistered by the careless use of kerosene or powerful lice killing liquids on roosts and drop boards or that the fowls have been obliged to walk through some other powerful corrosive that is capable of burning and blistering the feet and from feet and toes is transferred to head parts. Look into the matter carefully and remove the cause.

### Food for Goslings.

Q. What is the best food for goslings? Mine get lame and as I keep

# Newtown "Giant"

## Incubator and Brooder

The purpose of an Experimental Station is to test out methods and equipments for the benefit of the public. The knowledge gained by experiment is distributed and their decision as to the merits or demerits of a method, or equipment, is accepted as final.

## An Acid Test

The Newtown "Giant" Incubator has been put to the test by the New Jersey Agricultural Experimental Station, New Brunswick, N. J. You can read the following letter knowing that every statement made is fact—a true example of the universal achievement of the worthy Newtown "Giant" Incubator:

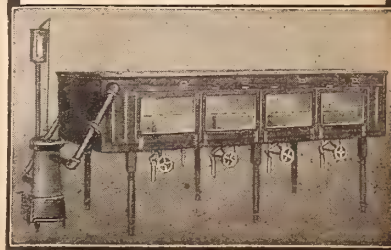
"Newtown Producing Co.,

Gentlemen:—I write to inform you that the 3000-egg Newtown 'Giant' Incubator which was installed in our Department this Spring has given exceptionally good results. After watching the operation of the 'Giant' machine I can say nothing but words of praise in favor of it. I feel that it will revolutionize the hatching of chicks and also the poultry industry, because I think it will be an incentive to centralize the hatching work. I congratulate you upon the efficiency of your Newtown 'Giant' Incubator.

—Prof. H. R. Lewis, New Jersey Agricultural Experimental Stations."

Send now for Incubator Catalog I and Brooder Catalog A and get more proof of the great hatchability of the 'Newtown.'

NEWTOWN PRODUCING CO.  
Newtown, Bucks Co., Pa.





them good and dry I thought it might be the feed.

Colorado

M. W.

A. Fine cut fresh green grass and the tender shoots of sprouted grain. Goslings must have an abundance of fresh greens to do well. They will not stand heavy graining. Get them on good pasturage. They require green food from the start. In addition you can start them on a mixture of rolled oats and bread crumbs moistened until just crumbly for the first week, given three times a day what they will clean up. Then give a crumbly mash of two-thirds bran and one-third corn meal to be fed twice a day as much as they eat up quickly. Add a little beef scrap after the second week. Supply plenty of drinking water in pans deep enough for them to get all of the head in. Above all things see that they have abundant and clean pasturage. Sleeping quarters must be dry and rat-proof. Don't let them have water to swim in until they are well feathered.

#### Questions for the Question's Sake.

Q. (1) How many Plymouth Rock chicks can be raised to maturity on one bushel of grain?

A. (1) Not one. It takes more than grain to grow a chick to maturity. The amount of food eaten by different chicks varies, the time of maturity in different individuals varies, the kinds of food and the qualities of each eaten from time to time vary so much and the disposition different individuals make of the same food is so different, that so far as we know no accurate figures have been obtained showing how much food the average chick consumes from shell to maturity.

Q. (2) What could possibly be the weight of the heavier breeds by September 15, if hatched in the beginning of April and grown under favorable conditions?

A. (2) Ten to twelve pounds each if specially grown for market in case of caponized males. Females eight to ten pounds.

Q. (3) What could be about the clear profit per chick at age of maturity on the heavier breeds when day old chicks are bought and all the grain that is fed to them has to be bought?

Ft. Atkinson, Iowa.

C. B.

A. (3) Don't build up poultry profits on paper with such questions as a base to figure from. Any promoter can figure most amazing profits from poultry if properly stimulated when given paper and pencil, but paper profits don't help much. It takes experience, skill and hard work to get the best profits out of poultry and the most experienced man won't get the same kind of results season after season. Some seasons are lean and some fat in the matter of profits. We know a market poultry grower who during the past season, actual working time eight months, received for 1500 market chickens, at market maturity, about \$3,500. The chickens, food, hired labor, and brooding and housing expenses amounted to about \$1,900. That left the grower a profit of about \$1.07 per bird or in other words he received approximately \$200 per month to pay for his own labor.

#### Thin Shells and Odd Shaped Eggs.

Q. I have eggs that when turned to the light show light or thin spots in shell like honeycomb. Usually they test out clear when incubated. Can you tell me what is the matter. Also get many odd shaped eggs. Hens have range and good food. The hens are healthy and industrious and produce large quantities of eggs, but it is the eggs that need improving.

Chicago, Ill.

C. N.

A. Eggs with thin shells, mottled

shells that show water marks or honeycomb effects, from difference in shell texture, seldom prove fertile or hatch, though we have hatched quite a few such. We don't know what causes the abnormal shell. It crops out from time to time in fowl that produce entirely normal eggs as a rule. Odd shaped and malformed eggs are usually produced by old fowl that are overfat internally or have some obstruction, scar or old injury to egg duct. When produced by young fowl trouble is usually result of surplus of internal fat or of some abnormal condition of oviduct. We know of no remedy that will yield a cure.

#### Poultry Silage.

Q. I keep a small flock of laying hens, and wish to know some way in which lawn clippings of grass and clover may be preserved for winter feeding in a moist half-green condition like ensilage is fed to cattle. Would it be possible to sink some tight receptacle, a closely lidded vinegar barrel for instance, into the ground to keep contents from freezing and pack grass in these? If so, what is the method of treating and storing the grass to keep it from rotting or molding?

Washington, Ind.

L. D. W.

A. We never had any luck with barrel silage. It usually molds. If the barrel can be sunk where it will be dry and where it will not freeze, you may be able to keep the clippings. They must go into the barrel fresh cut and as free from dust as possible. Pack them down tight and hard and put a very heavy weight on them. If the clippings are dried in the shade on floor of barn or shed and then sacked and stored in hay loft they will hold color well and on scalding will look quite green and bright. Better feed the clippings when green and use sprouted oats in winter.

## U. R. FISHEL'S AD in this issue will interest you. Read it. FOXHURST FARM CHAMPION BLACK ORPINGTONS

Make a world's record at Madison Square Garden, winners of all five first prizes. Of 30 birds entered 22 wore ribbons. Our birds have been scientifically line bred for nine years and have been largest winners at New York for past five. Summer prices on all stock, including our New York champion winners, are one-half, delivered at your convenience. See catalogue. Mention American Poultry Journal when writing.

FOXHURST FARM : : : : : LIME ROCK, CONNECTICUT

# FISHEL & SON

Having hatched and reared more young chicks this season than ever before, are offering

## The World's Best White Wyandottes

At a sacrifice to make room for their thousands of growing chicks. In considering the purchasing of stock at bargain prices you must consider the breeding quality, and the line breeding of the stock you intend to purchase. Some stock would be expensive at any price. Not so with the World's Best Strain, bred in line for years, bred so they reproduce themselves year after year. When you can purchase such stock at reduced prices you are sure to get

### A BARGAIN

Send for our special offer for the one month, also our sale list with forty-two lots of birds listed at prices never before quoted on such high class stock. Our new catalogue which covers every phase of the poultry business is pronounced the greatest book of art and the most instructive book published; we would be pleased to mail it to you for 25c in stamps and if it is not worth dollars to you, send it back.

J. C. Fishel & Son : Box J : Hope, Indiana



## CHICK CHATS

By H. P. Schwab

July—with the chicks hatched and ideal weather so far, we can well spare one day to celebrate.

Keep them growing every minute, is the best advice we can give.

Save some of your celebrating for Atlantic City next month, when the roll is called they will all be there.

The program of the A. P. A. meeting has been received, and the only error the committee has made to our notice is that they haven't set aside time for bathing.

In the long run men hit only what they aim at, so while at it let's all aim at something high.

It is up to the breeders of the Empire State, and those of every state, to get together and arrange for a grand poultry display at the Panama Exposition. The commissioners for this State are: J. H. Drevenstedt, D. Lincoln Orr and H. P. Schwab.

The chicken crop is unusually large and with good success will be the best ever. What we have seen of it assures quality of the best.

The New York State Branch A. P. A. election is on, with candidates galore. There is no opposition to the re-election of Mr. Robert Essex for president and Mr. L. D. Howell for secretary, that we know of. We congratulate the members of this state in being assured of these capable officials.

Dr. S. A. Merkley has served for several years as secretary and I fully believe he has done grand work under the conditions. He would have done far better if there had been more harmony. As a member of the executive committee I personally know of all his efforts and wish to commend him.

To speak wisely may not always be easy, but not to speak ill requires only silence.

We are pleased to announce that Mr. W. C. Bowman has taken charge of the Maryland Leghorn Farm, R. R. No. 2, Cambridge, Md. Mr. Bowman knows the Leghorns and has had much experience on large plants, having built up one of the largest and best in this country. Also for several years he has been doing much judging, making a specialty of the Leghorns. His work at Philadelphia, Camden, Trenton, Allentown, etc., was of the best.

Woman—"How did you get that Carnegie medal?"

Tramp—"Heroism, lady. I took it from a guy that was twice my size."

A journal friend of ours is forever discovering something to be thankful for. Here is his latest: "One thing mere man escapes is itching under the corset where he can't get at it."

Time is worth far more than money. Work with intelligence, have a purpose and a reason, and don't let time pass without your best effort.

The pens of Barred Rocks at the Storr's egg laying contest entered by Mr. S. M. Goucher of Moorestown, N. J., and Mr. Robt. J. Walden of Middle-

burg, Md., have brought prestige to these lines by winning three medals for Mr. Walden, while Mr. Goucher's fame rests on a record made by one of his hens of 210 eggs in 259 days.

After all is said and done, you can't well get far ahead of the good old Barred Rocks as producers of eggs, choice meat and money.

Nowadays you don't have to go far to a good show, for there are many good ones in every state, and this season there promises to be more shows than ever before.

We have just received a collection of Barred Rock feathers from Eng-



THE  
FINEST  
POULTRY  
CATALOGUE  
EVER  
PUBLISHED.

**DE GRAFF**  
**POULTRY**  
**FARM.**  
AMSTERDAM NY

THE  
LEADING  
R.I. RED  
SPECIALIST  
OF  
AMERICA.

STOCK & EGGS FOR SALE  
S. C. & R. C. RHODE ISLAND REDS  
PLEASE SEND FOR MY CATALOGUE

HALF PRICE ON ALL EGGS AFTER JUNE 1

## BUFF ORPINGTONS

Eggs one-half price. Send for mating list. Mention American Poultry Journal.  
Frank C. Cleveland, 10802 Longwood Blvd., Morgan Park, Illinois

## Barred Rocks

WINNERS AT MADISON SQUARE GARDEN  
SPECIAL—I am now offering at reduced prices some of my breeding females and pullet bred cockerels. Write for particulars. Satisfaction assured. Mention A. P. J. C. N. Myers, Box A. Hanover, Pennsylvania

## Each one a KING in its Class

Chicure Lice Powder will absolutely rid your fowl and poultry houses of all lice and vermin. 25c, postage additional.  
Chicure Germ Destroyer without fail prevents all germ diseases. 50c and \$1.00 postpaid.  
Chicure Roup Cure prevents and cures when others fail. 25c, 50c and \$1.00 postpaid.

Agents Wanted King Remedy Co., Dept. A, Rochester, New York At Dealers or Sent Direct

## Tolman's White Plym. Rocks

Baby chicks, price now, \$12 per 100. When you order from Tolman, you get the best at a popular price. Eggs and chicks now ready. Circular and price list free.

Joseph Tolman -- Dept. H -- Rockland, Massachusetts

## Jersey Lawn White Wyandottes

I have five yards mated for the very best results in show or utility purposes. Cockerels all sold. Eggs, half price for June, \$2.50 per 15. Write for mating list.

Harry Cass -- Buffalo Hart, Illinois



land and from English winners. The female feathers are good, bright and a fine contrast, but the Crystal Palace winning cockerel could not win a 'steenth prize at a Podunk Fair in this country.

Mr. Frank L. Platt, as secretary of the American Dorking Club, has favored us with a copy of the Club Catalogue. Dorkings, as we have before stated, are one of the grand old breeds bound ever to remain, and with a live club to back they will surely gain in popularity as they deserve.

To rest content with results achieved is the first sign of decay.

Make your plans now for the coming show season. The fairs begin next month and before we know it the regular season will be on. Exhibit your stock and if at first you don't succeed,

then try again and keep at it. It is the sure way to poultry success.

The Barred Rock Club Catalogue is in print and the safest way to get one is to join the club. Send \$1 now to Mr. Henry D. Riley, Strafford, Pa. It is chuck full of interesting and valuable articles.

The Specialty Club deserves the support of the breeders, and no club can live or accomplish what it should without this support. It is a matter of personal interest and personal gain to be a member. Do your share and see that your friends do theirs.

"The Lucky Seventh" is the title of a booklet being sent out by the New York Palace show, of which Mr. L. D. Howell, Mineola, N. Y., is the secretary. The book is full of good things and tells particularly of the

Palace features. The show has long been known as one of the very best. Last year its entries were double those of the year before, well showing that it assures satisfaction to all.

#### AWAY FROM DANGER.

With hopeful hint the farmer's boy  
Leaned on his hoe and said:  
"The fish is bitin' fiercest kind  
Down by the mill pond's head."

"Don't be afeerd," the farmer said,  
Dropping a seed or two.  
"Jes' keep on kiverin' 'taters, son,  
'N' the fish they won't bite you."

The Philadelphia, Pa., show dates are December 16 to 20, 1913. With Mr. Frank E. Gilbert, secretary, Mint Arcade, Philadelphia, Pa.

The crested breeds are having their day and if the efforts the breeders are

# E. B. Thompson's Imperial "Ringlet" Barred Plymouth Rocks BARGAIN SALE FOR 1913



First Prize Cockerel and Champion Male and First Prize Pullet and Champion Female at Madison Square Garden, New York, 1913

Is the event in the Barred Plymouth Rocks; this sale stands out with a prominence that is clearly defined.

My special sale list is now ready for mailing and I offer the largest and finest assortment of Barred Rocks in all America at the most decisive price reductions and most emphatic bargains ever recorded.

## This Is America's Foremost Bargain Sale

And goes beyond anything ever before attempted in thoroughbred poultry. It is unprecedented. The resources of my "Ringlet" farm are unlimited and you can now secure Madison Square Garden, New York, winners and sons, brothers, sisters and daughters of New York winners, and birds of this richest New York prize winning blood at the decided bargain prices. Birds bought now at the prices in my special sale list will pay you splendid dividends.

## In This Special Sale List

Are listed the finest show birds, the finest breeders in single birds, pairs, trios and pens that I have ever offered in all my thirty-three years' career as a Barred Rock breeder, and at the rarest bargain prices. There are lots to meet the needs of all—the beginner who must begin right, the old breeder who will improve his stock, and the show man who wants to win in the strongest competition in the world. You will have the solid satisfaction of selection from the largest and richest New York prize winning stock and blood lines in America today—the selections are unbounded.

## The Imperial "Ringlets"

Are the proud product of more than a quarter of a century of Barred Rock breeding—they have the most fashionable barring and even blue color of the present day, they sell when no others will by reason of their matchless quality—no other strain holds so imperial a place in popular favor—their name leads all the rest. To meet success in winning prizes you must have my birds.

(See my ad on back cover page for the wonderful record of my "Ringlets" at last Winter's Madison Square Garden 1913 Show. This achievement takes rank in history as the most wonderful ever recorded since the New York show was founded.)

It will be to your interest to have this special sale list and take advantage of this opportunity to secure "Ringlets" at the cut down bargain prices. It is sound business judgment to buy what you want when offered for dollars less than it is worth, it is justice to yourself and economy. Whatever may be your wants in Barred Plymouth Rocks you will find it in my special sale list at bargain figures. The list will be mailed promptly upon request.

**EGGS** from the world's finest exhibition matings, \$10 per setting; four settings, \$35; 100 eggs, \$60. One-half these prices after June 10th. Elegant 70-page catalogue upon application. Address

SEE MY OTHER AD. ON  
BACK COVER PAGE

*E. B. Thompson*

Lock Box 510  
Amenia, New York



making in the Stock-Keeper don't prove to their advantage, then we don't know what will. Good luck to them.

\* \* \*

Now is the time to buy breeders at reduced prices. Look up the ads.

\* \* \*

Dry bran is one of the best foods for growing chickens, besides it is a variety in food that tastes good. To mix it with a small proportion of meat meal and fine charcoal, makes it nearly a balanced ration.

\* \* \*

Mr. Gilbert has long been known as a breeder of Orpingtons and has held several places of trust in the poultry fancy. We look to him to make good and to give his city one of the best shows held.

\* \* \*

Murphy—"What's that in your pocket, Pat?"

Pat (in whisper)—"Dynamite. I'm waiting for Casey. Every time he meets me he slaps me on the chest and breaks me pipe. Next time he does it he'll blow his head off."

\* \* \*

Webster Farms, Girard, Pa., are offering a select lot of breeders in their White Rocks for sale. Last season at Cleveland, Philadelphia and Williamsport this line made a most wonderful record. We have very lately seen in the poultry journals pictures by Artist Stahmer of their first, second and third prize cocks at Cleveland. They are a trio par excellence. Such lines assure reliability.

\* \* \*

July is just the month to use "French's Poultry Mustard." So is every month, but be sure to get "French's." It is original and positively pure.

\* \* \*

Mr. M. F. Delano, the successor to "Owens Farms," has in his varieties of Orpingtons, White Rocks, White Wyandottes and Reds a great lot of quality breeders to sell. Birds in both old and young for the early shows. Mr. Delano would be pleased to hear from all those breeders who have wants in his line. Rest assured that Del will take the best of care of all that go to him.

\* \* \*

Mr. W. R. Graves of the Rockandottee Farm, Southboro, Mass., reports a large and choice lot of youngsters in both his White Rocks and Wyandottes. Just tell your friends you have "The Graves Line" and they will know your grade is of the best.

\* \* \*

Our duty is to be useful; not always according to our desires, but according to our powers.

\* \* \*

Poley's World Best Buff Rocks literally cover the country. Mr. Poley writes of having a good year and just lots of most promising youngsters.

\* \* \*

For the first time in years the members attending the A. P. A. convention will have a poultry show to attend at Atlantic City.

\* \* \*

President-elect Thompson advises all members to bring their bathing suits with them, as they are most liable to get short trousers there.

\* \* \*

Have tried to do my duty, so hope to be excused for ten days' fishing.

## BLACK LANGSHANS and INDIAN RUNNER DUCKS

Selected breeding cockerels a specialty. Satisfaction assured. Prices right. Mention A. P. J. when writing. **MRS. F. LITTLEFIELD, BOX A, MIDDLEBURG, MARYLAND**

## FLUFFY RUFFLES BARRED ROCKS

The world's champion strain continues to win wherever shown. I am in a position to furnish from this world's champion female line choice selections of stock or eggs to all those wishing the best.

**WELLESLEA FARM POULTRY YARDS, C. H. WELLES, PROP., STRATFORD, CONNECTICUT**

## PALMER'S WHITE ROCKS

FOR SALE—All of this season's breeders at \$3 and \$5 each. A good chance to get fine stock at reasonable rates. Write your wants; satisfaction guaranteed. "The Glen" Poultry Farm, Box A, Fairport, New York.

## FAIRVIEW WHITE ROCKS

**SWEEPSTAKES CHAMPIONS AT CHICAGO, INDIANAPOLIS, LOUISVILLE AND MEMPHIS, and WINNERS in the LOUISVILLE EVENING POST EGG LAYING CONTEST**

Eggs from these winners at half price the balance of the season. A grand lot of breeders for sale after June 1st. Write for prices.

**GUY DAILY Box A Jeffersonville, Indiana**



## A GOOD TRAP NEST

Made in a few minutes from a common box, very simple and reliable. Send 10c for complete printed and illustrated instructions for making your own trap nest. Warm water fountains, automatic feed hoppers, poultry houses, etc. Price list of our wonderful strain of Winter egg producing Barred Rocks free.

**Stirdivant Farms, Sheboygan Falls, Wisconsin**



## Old Honesty Hatchery

Will sell from now on to the end of season day-old chicks from 6½ cents on up. Good show and utility stock, strong hatched. Booklet free. Mention American Poultry Journal when writing.

**G. L. Kichline, Prop., Dept. A, New Washington, Ohio**

## Fell's Famous White Wyandottes

**At Madison Square Garden 1913**

Almost make a clean sweep winning: First Cock, Second Hen, First and Fifth Cockerel, First and Fourth Pullet, First Pen—four times as many First Prizes as all exhibitors combined, and all Specials. Have won more First Prizes at Madison Square my last three shows than all exhibitors combined. Thirteen Firsts at the great Allentown Fair, three showings. Special, best 10 birds in whole show twice in succession.

ALL EGGS AFTER MAY 10th HALF PRICE. Catalogue free.

**A. J. Fell, Box J, West Point, Pa.**



## White Rocks

During June and July I will sell eggs at half price, \$3.50 per 15, from my "De Luxe" mating, headed by a cockerel that won at the Illinois State Fair, Quincy Poultry Show and Illinois State Show, where he defeated the first Chicago cockerel sold by Owen Farms. The mother of this cockerel laid 210 eggs in one year and he is mated to my very best females. Eggs from my other special matings, \$2 per 15. After June first, I will sell at bargain prices all the birds that have been in my breeding pens the past season, including all my winners. Mating list free.

**CHAS. A. SIMMONDS**  
CAMP POINT -- ILLINOIS



## PURDUE EGG SHOW.

**T**HE Fifth Annual Purdue Egg Show was held at Purdue University, Lafayette, Indiana, May 14th, 15th and 16th, 1913. This show has now become an annual affair and is becoming well known and quite popular with the people of Indiana. This year entries were received from Wisconsin, Rhode Island and other states, thus showing



Prize-winning Eggs and Premiums won at Purdue Egg Show, held at Purdue University, Lafayette, Ind., May 14-16, 1913.

that people outside of Indiana were also interested in showing eggs in competition.

This Egg Show is managed and handled by the Freshmen students in the School of Agriculture who take Poultry Husbandry. The committee is elected by them and they manage the entire affair under the direction of the Poultry Division. This gives the boys much experience and increases the interest of the student body in the poultry work of the University. The prime object of the show is to increase the interest in the market egg. Indiana like all middle western states is very backward in improving the market conditions of the poultry business. Nearly all eggs are sold on the same basis whether good or bad, and in order to show people that there is a difference, and that good eggs are needed, this show is made public to the farmers of Indiana and nearby states.

The exhibits are divided into five classes:

1. **General Class.** In this class eggs are exhibited by breed and variety, and compete as such. Only those who are not students of Purdue can show eggs in this class. This year for the first time a dozen White Leghorn eggs exhibited by E. B. Murphy of Carmel, Indiana, won the sweep-stakes ribbons and cup. The judge, Mr. Stanley Wyck-off of the Indianapolis Poultry Company stated that they were the finest dozen eggs he ever saw, and gave them a score of 99.5. This is a compliment to the Leghorn breed.

2. **Commercial Eggs.** In order to really find a method of properly judging eggs, a commercial class was made where eggs competed largely upon quality, as found by testing. In the fancy class, weight and external conditions control the method of judging, but in the commercial egg class 50% is allowed for the freshness and quality

of the contents. In this class eggs compete under the heads of color and weights.

3. **Student Class: Freshmen.** In this section eggs compete by colors only and are judged the same as the entries in the Fanciers class.

4. **Students Not in Freshman Class.** This class is handled entirely on the same basis as Class No. 3.

5. **Freaks and Novelties.** Under this

section were found all kinds of eggs from frogs, snake, cray-fish and turtle eggs up to ostrich eggs and peculiar freaks. This section is merely made in order to make the exhibition interesting.

Another section was made up of an educational exhibit by the Poultry Division, showing the various grades of

various poultry associations of the state.

The exhibit was in the Assembly Hall of the Agricultural Building. It was well staged and well received by the hosts of visitors. Every one pronounced the exhibit a great success and the students felt well repaid for their efforts. The entries consisted of as follows: Fanciers, 61; Commercial, 14; Students (Freshmen), 73; Students (not Freshmen), 25; and Freaks, 36.

This year the show was about 35% larger than in 1912, and according to the increased interest, bids fair to enlarge each year. It is the only exclusive egg show held in the United States and far as is known is the largest one ever held at any one place. Every state has a different method of interesting its people in improving their market eggs, and Indiana is taking this method with the hope that little by little the people of the state will think as much of an egg in competition as they do of a good apple or an ear of corn. The apple and corn shows have been influential in improving the Horticultural and Seed Corn interests and it is hoped that the Egg Show will do as well for the market egg. Some of the winners of the most important prizes are as follows:

Grand Sweep-stakes Fanciers' Class: Ed Murphy, Carmel, Ind., on White Leghorn eggs.

Best Minorca Eggs: Ed Gardner, Indianapolis, Ind.

Best Langshan Eggs: Mrs. Chas. Byers, Lake Cicotte, Ind., on Black Langshan.

Best Commercial Eggs: C. L. Wright, Fountain City, on brown eggs.

Best Freshman Students Eggs: Brown: P. G. Riley.

Sweep-stakes and Best White Eggs—H. W. Marshall, Jr.

Best Dozen Eggs by Student Not Freshman: P. E. Tillett.



Exhibit at the Purdue Egg Show, Held at Purdue University, Lafayette, Ind., May 14-16, 1913.

eggs, egg testers and cartons for shipping.

Most of the prizes consisted of ribbons, but in the fanciers class there were four silver cups, and two settings of eggs offered as sweep-stakes prizes. In the commercial class the prizes were all cash, ranging from 25c to \$3.00. In the students' class there were four silver cups offered. These specials were given by prominent poultrymen and

American Poultry Journal.

Gentlemen: Your 1913 Poultry Year Book received, for which please accept our thanks. A hasty glance through its pages has convinced us that it is a valuable work and we are glad to have it in our library. We are giving you an editorial review on the book in our July issue of Poultry Success. Thanking you again and congratulating you on its appearance, we remain, Yours very truly, The A. D. Hosterman Co., Campbell L. Cory.

See ad on page 1042 regarding Year Book



# Current News of the Poultry World

by J. F. Shureman



The next annual show of the Nebraska State Poultry Association is to be held in Grand Island, that city being the unanimous choice of the executive committee of the association at its meeting a couple of weeks ago.

A syndicate of Kansas City capitalists, headed by J. H. Burrey, has purchased 1,407 acres of land near Grant's Pass, Ore., and will engage in the poultry business on a large scale. One thousand acres is uncleared and it will be left in its wild state so that the chickens may roam about in search of natural foods. Large poultry houses are being erected and everything will be up to date.

Seven carloads of eggs were shipped from Morristown, Tenn., in a single week recently.

New York poultrymen will ask for an appropriation of \$10,000 from the State to be used in making an exhibit of New York poultry at the Panama-Pacific Exposition in California in 1915.

The Massachusetts Agricultural College announces a poultry institute to be held at the college on July 28, 29 and 30, the object of which is to give instruction in poultry culture to those who are interested in the subject but who are unable to go to college for a longer period.

Byron Hoe, of Marseilles, Ill., recently hatched a chick with four legs, four wings, two necks and one head, the head being attached to the ends of both necks. The chick only lived a short time.

Governor S. V. Stewart, of Montana, has appointed Amos C. Hall, of Virginia City; James G. Ramsey, of Miles City, and Sid Goodfriend, of Anaconda, members of the State Board of Poultry Husbandry.

A peculiar disease has broken out among the chicks in the vicinity of Statesboro, Ga., and many thousands of the little fellows have died. It is a strange malady and so far no cure has been found for it.

At a recent meeting of the Missouri State Poultry Board it was decided to

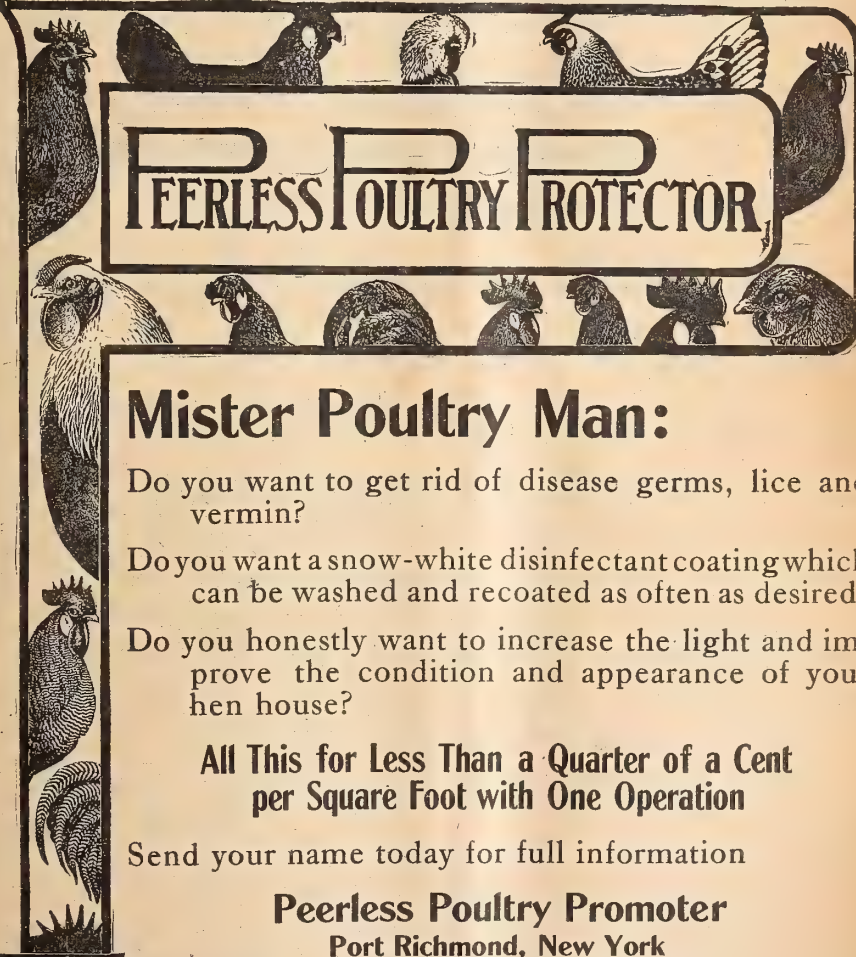
hold the next State poultry show at Chillicothe on December-11 to 18. Director T. E. Quisenberry, of the experiment station at Mountain Grove, was instructed to proceed with improvements at the station to cost \$15,000. The board engaged Ralph H. Searle, formerly of Nebraska, as assistant director of the State experiment station.

Andrew Gipp, of Marinette, Wis., has a freak chick that is sure a freak. It was hatched with rows of tiny teeth in

its bill, only one eye and only three toes on each foot. Next!

N. E. Chapman, head of the Poultry Extension Department of the Minnesota Agricultural School, who has been taking a poultry census of the State, claims that there is an increase of over 40 per cent over the figures of 1910 in that State.

The Chautauqua Stock and Poultry Food Company, of Fredonia, N. Y., has filed a voluntary petition in bankruptcy



## PEERLESS POULTRY PROTECTOR

### Mister Poultry Man:

Do you want to get rid of disease germs, lice and vermin?

Do you want a snow-white disinfectant coating which can be washed and recoated as often as desired?

Do you honestly want to increase the light and improve the condition and appearance of your hen house?

**All This for Less Than a Quarter of a Cent per Square Foot with One Operation**

Send your name today for full information

**Peerless Poultry Promoter**  
Port Richmond, New York

**U. R. FISHEL'S AD in this issue will interest you. Read it.**

## FRENCH'S POULTRY MUSTARD

✻ ✻ ✻ ✻ ✻ Send for booklet to ✻ ✻ ✻ ✻ ✻

**The R. T. French Company : Mustard Makers : Rochester, New York**



# IDLEWOOD POULTRY FARM

Rose and Single Comb Rhode Island Reds and White Orpingtons—Baby chicks. Eggs for hatching. Write us for catalogue and prices. Idlewood Poultry Farm, Swanville, Pennsylvania

## 800 "Missouri" White Leghorn Breeders, \$1.00

A bargain sale to make room for young stock. Your chance to secure Missouri's finest line bred Winter laying Leghorns cheaply. Write today for catalogue.

Missouri White Leghorn Farm, Box A, Valley Park, St. Louis Co., Mo.

## BUFF ORPINGTONS

Eggs half price now. Have the finest chicks I ever reared and I reared some fine ones. Get some of my fine breeders for little money this month—young stock coming on—need the room. Write for a copy of my 36-page catalogue—fully illustrated—sent free—finest published. Just address me—  
F. A. Kaup, Buff Orpington Specialist, Desk One, Chicago, Illinois

## WALDEN'S BARRED ROCKS

Philadelphia, New York and Baltimore winners. I can please you with quality and price. Quality is my aim, with satisfaction assured. Choice breeding stock at right prices. If you want quality that will improve your stock I can supply it. Write me your wants. R. J. Walden, Box A, Middleburg, Maryland



SPECIALIST IN HIGH-CLASS

**WHITE** LEGHORNS  
ORPINGTONS  
WYANDOTTES

CLOTH BOUND  
CATALOGUE FOR  
STAMP.

MAYWOOD WHITES  
ARE WHITE.

## White Rocks : White Wyandottes

We have the finest lot of early chicks we ever had and it will pay you to book your order early for show birds. Bargains in this season's breeders.

Rockandotte Farm, W. R. Graves, Mrs. S. H. Graves, R. 3, Southboro, Mass.



## BUFF ORPINGTONS

Half Price During July

Your opportunity to get my great LAYING and PRIZE WINNING STRAIN at half price. Eggs \$2.50 to \$7.50. Free circular. Write today. Cockerels and pullets hatched in January and February for the EARLY SHOWS. Orders taken NOW. Breeders for sale.

I. Brooks Clarke, Dept. C, Newark, N. J.

## WEBSTER FARM MADISON SQUARE GARDEN, N. Y., CHAMPION WHITE PLYMOUTH ROCKS

**BREEDERS NOW FOR SALE** We have a selected lot of choice quality breeders in cocks, cockerels, hens and pullets. Just the kind you want to breed from at extra short season prices. Write us your wants and let us quote prices. Special prices for mated pens, trios or larger lots. Write right now and don't miss this opportunity to improve your stock and assure your success.

### Remember This "Champion" Line

Made its records at America's greatest show and last season won at Cleveland, Philadelphia and Williamsport—ten firsts, four seconds, four thirds, twelve specials, etc. "The best record ever made by any line." For they include five specials for best birds in class and at the show.

Webster Farm, Box A, Girard, Pennsylvania

## Lichtenwalter's Quality Buff Ply. Rocks

Winners last season at Madison Square Garden, New York, Springfield, Illinois, (club show) Philadelphia, Cleveland, Williamsport, etc. I am closing out half of my breeders. Mated birds a specialty. Write me your wants. Mention American Poultry Journal when writing.

E. A. Lichtenwalter : Box A : Girard, Pennsylvania

with liabilities of \$4,117.88 and assets of \$145.97.

More than \$300,000,000 was spent for chicken feed in the United States during the year 1912, according to a report read at the semi-annual meeting of the American Feed Association in Chicago on May 25. W. R. Anderson, of Milwaukee, Wis., author of this statement, reported also that the capital invested in the feed business amounts to more than three times that invested in the steel industry.

H. H. Benjamin, the well-known poultry breeder and judge, died at his home in Hutchinson, Minn., recently. His age was 50 years.

The following officers of the South Dakota branch of the American Poultry Association were elected in May: President, Charles McCaffree, of Howard; first vice president, William Scallin, of Mitchell; second vice president, W. A. Wheeler, of Mitchell; secretary-treasurer, W. C. McConnell, of Sioux Falls.

Every county in New Jersey now has a poultry association and in several counties there are two associations.

Clarinda, Iowa, is the Petaluma of the Central West. During the past year more than \$1,000,000 have been paid out by the three poultry and egg-buying and shipping establishments of Clarinda for poultry and eggs. During the egg season the shipments average over 500,000 eggs per week, or four carloads.

Joseph Haywood and Arthur Hansen, two well-known members of the Joseph Sheehan Grand Opera Company, have gone into the poultry business as a "side line" and have an up-to-date poultry farm near Willoughby, Ohio, where they spend their time when not engaged in their operatic work. They declare they like the work and are destined to make a success of their venture.

To own the finest chicken ranch in the Southwest and to teach the farmers of Neuces county, Texas, to sell enough poultry and eggs to provide for all their upkeep, is the ambition of F. Z. Bishop, founder of the Texas town that bears his name. Mr. Bishop has established an extensive poultry ranch, with all the latest equipment, and has engaged a former Connecticut poultry expert to manage the business. The present hatching capacity of the plant is 1,200 chicks every three weeks, but Mr. Bishop plans to increase the output to 3,000 a week. He will keep only pure bred stock of the standard varieties. When the chicks are ten days old they will be "farmed out" among the farmers in the vicinity of Bishop on shares. In this way Mr. Bishop hopes to get the farmers interested in pure bred poultry.

Fifty poultrymen of the vicinity of Tulare, Cal., have organized a co-operative poultry association for the purpose of disposing of their poultry produce direct to the consumer, saving the middlemen's profits.

## FANCY AND MARKET EGG BOXES

FOR SHIPMENTS BY

## PARCEL POST OR EXPRESS

Write for our Parcel Post Package Booklet, which gives postal rates and regulations.

THE SEFTON MFG. CO. 1329 W. 35th ST. CHICAGO, ILL.

Makers of Eyrie and Anderson Egg Boxes, Eyrie Shipping Coops, Sefton Live Chick Boxes.



## Notes from a Diary of a Chick

(Continued from last month)

I overheard Mr. Noftzger telling a customer, while selecting some stock for him, that there was a rich mahogany "happy medium" color which he had always preferred and mated in his pens. He said further that some so-called judges and poultry authorities were to blame for the wide variance of

color and that it was quite discouraging indeed to furnish a very high-class show string only to have them defeated in the show room by cheap fowls that were not of the correct color simply because the judge was incompetent.

One morning I flew up on one of the brooder coops to better admire the many youngsters playing in their runs and get the benefit of the sunshine and

while there gained a little knowledge. Several visitors were going through the yards and as usual seemed greatly to admire the new generation. One of them asked my owner how he accounted for the hardness and unusual activity of the chicks and since then I have thought his reply over and over many times. It was:

"Fresh air furnishes more stamina and vigor than anything else in the world. My fowls are given all the fresh air possible from the day they are hatched until they leave Oaklyn Place and then they go in open crated coops."

I suppose that all fowls were allowed plenty of fresh air, but probably fresh air, sunshine and fresh water are so cheap that many poultrymen do not appreciate their real worth. If fowls could talk their owners would soon be made to realize. So many people who come here express surprise that we live all winter almost "in the open."

Another little thing caused us all to smile. A visitor said he had heard a year or two ago that it was possible by the color to tell the sex of Partridge Rock youngsters and that last year when ordering baby chicks he had requested my owner to send none with stripes, as he wanted to raise all pullets and to purchase males later to mate them. He said the little fellows came with the color as requested, but to his surprise there proved to be as many cockerels as pullets.

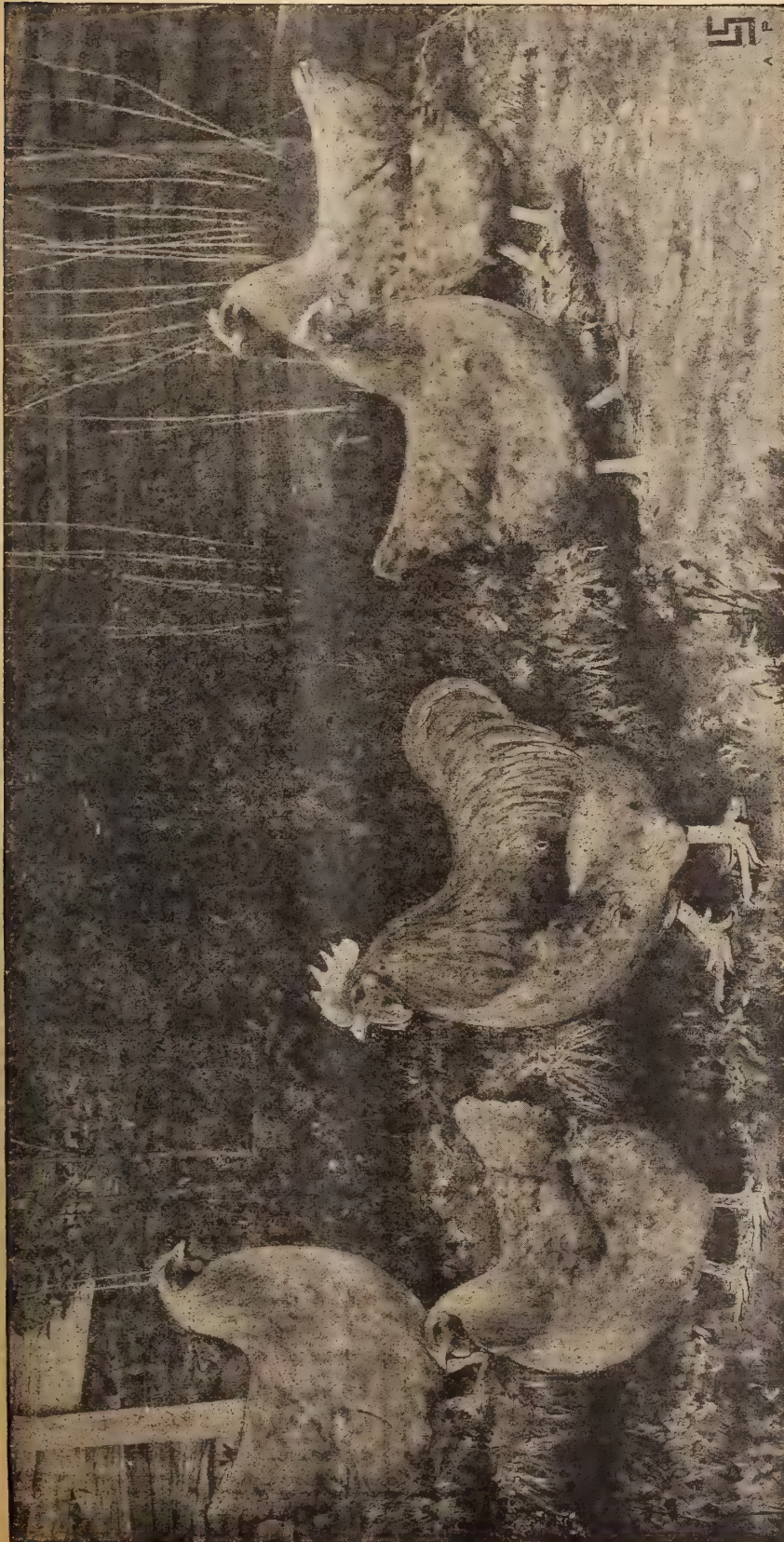
We have known for years that there was nothing in this color proposition, for early in my life I had heard my owner say that he had tested this with other Partridge varieties as well as Partridge Rocks and found that it was not reliable.

A laughable incident happened just at the beginning of this breeding season. The different pens were being admired by an interested group when one of them said, "We have seen many matings of high quality males to equally as good females, but where are your double matings—your cockerel matings and your pullet matings? I have seen no males with red in breast and very few with any red in fluff."

The answer to this was: "When you have seen the remainder of this row of matings you will have seen all and there is not one of the forty but that will produce fine ones of both sexes. Double mating in Partridge Rocks is not only unnecessary but is a hobby of those who do not know whereof they speak and is the short road to ruin of the breed. Why! many of the noted winners and best specimens of the breed come from a long line of show ancestors—both male and female."

There are some other things of interest that might be told this time, but already my mates are going to roost and are probably wondering about me. Next time I will begin a little earlier and in the meanwhile will "listen and learn."

First Prize Pen Buff Orpingtons, Chicago, Ill., 1911, Owned by A. E. Martz, Arcadia, Ind.



## Baby Chicks

Weja Strain S. C. White Leghorns;  
Bright's Strain S. C. Brown Leghorns;  
White Wyandottes; Ringlet Strain  
Barred Rocks, 10c up. 12,000 egg incubator capacity. Our 8th year handling baby chicks. Send for free catalogue.

Peerless Poultry Farm, R. 1, Kenton, Ohio



## SINGLE COMB WHITE LEGHORNS

### "THE MONEY-MAKERS"

Trap-Nested — Pedigreed — "Standard Bred" — Line Bred  
Choice winnings at Springfield and Decatur, Ill., 1913, and Ill. State Fair, 1912, including 6 firsts, 6 seconds and 9 specials. Eggs, remainder of season per 50, \$3; per 100, \$5. A few hens at \$ each. Illustrated catalogue free. I. A. Engle, Latham, Ill.



## ORPINGTONS

### BUFF AND WHITE

of the highest quality and breeding. None better.

Eggs For Hatching

from my superb prize-winners. Catalog with prizes won, prices, etc., free.

C. A. Keefer (AJ 5) Muskegon, Mich.

## YAMA S. C. BLACK MINORCAS

THE ARISTOCRATS OF THE POULTRY WORLD



### YAMA BARRED PLYMOUTH ROCKS

"Better Than the Best"

We are prepared to supply the best of both varieties for the early Fall shows.

**YAMA FARMS**  
NAPANOCH, ULSTER CO., N. Y.  
SATISFACTION GUARANTEED

## JOE-PYE Orpingtons

**T**HE fact that we won Display Special or greatest number of points this year at the three largest American shows—Madison Square Garden, Boston, Grand Central Palace, N. Y. proves conclusively that we can breed quality. Our free illustrated mating list gives information about our farm and breeding pens.

### JOE-PYE ORPINGTON FARM

HARRY STACEY BENTON, Owner  
R. F. D. 5, SO. NORWALK, CONN.

### NOTICE TO SECRETARIES.

This the largest Orpington club in America, boosting the Best Orpington Fowl, the Black, will offer a set of 5 handsome medal silk ribbons at every show in the world. If you wish to have them, also our medals and silver cups, you should write the secretary-treasurer at once. There are several state meetings to be placed yet. Do you wish them? The American Black Orpington Club has decided to offer at the Panama-Pacific World's Exposition Poultry Show at San Francisco, 1915, the finest cup ever placed on poultry, to be known as the World's Cup; value \$100.00. Several \$25.00 cups will also be placed, besides the many cash prizes and specials. If you, fellow, Black Orpington breeder do not belong to this club send \$1.00, the fee for a year's membership, to the secretary at once. The club is also preparing several sets of lantern slides for the American Poultry Association Lecture Bureau. Thus you see the immense amount of advertising that is being done to benefit the Best Orpington, the Black. Address The American Black Orpington Club, Ora Overholser, Secretary-Treasurer, Eaton, Ohio.

### ANCONA CLUB OF AMERICA NEWS NOTES.

Our annual election of officers for the coming year will be J. O. Somers, Bedford, O.; president, C. H. Young, Los Angeles, Calif.; vice president, Geo. Johnston, Jerry City, O.; secretary-treasurer, J. W. Minniker, West Toledo, O.; auditor, Henry Scheyer, Silver Creek, N. Y.; election commissioner, F. C. Stier, Cleveland, O.; P. W. Logan, Woodbridge, N. J., and W. H. Branthoover, Pittsburg, Pa., National Board members.

Our year book is now ready for mailing and contains a large membership of the most noted breeders in America and abroad.

Will have some great articles by America's leading breeders, and will show many fine illustrations of the leading prize winners at the greatest shows. This is the oldest Ancona club in America, and the world's leading pioneer breeders belong to this club, and at present it is in the hands of the real live wires, and in the last six months practically every member has mailed out thousands of circulars, etc., for the purpose of boosting this great breed.

When it comes to boosting these birds in the show room, our club certainly has done wonders for the breed, having cooped 436 Anconas at the last two regular meets, and this coming winter, will show at least 300 birds wherever the place is decided to hold same, of which we will advise you through these columns.

At present we are very busy compiling our standard as adopted at our big meet in Cleveland last January for the revision committee of the A. P. A., and with having the oldest breeders in America in our club, can easily show to the revision committee, what changes are really necessary for the next new standard.

All persons who have started with Anconas this season, and do not belong to this club, should mail \$1 to Geo. Johnston, secretary, Jerry City, O., for the new year book and other literature which will be of great value to any one interested in these birds.

### ROCHESTER, N. Y., SUMMER SHOW.

During the week of September 15, 1913, in connection with the Rochester Industrial Exposition, there will be a poultry show held along the same general lines as those held in connection with the state fairs, etc. Competent judges will award hundreds of dollars worth of prizes. The American Standard of Perfection will be the guide for the judges in awarding these prizes. A premium list is under way, and exhibitors before making up schedules will do well to consider Rochester. Edgar F. Edwards, 116 Powers Bldg., Rochester, N. Y., is the secretary to whom all applications and requests for information should be addressed.

The Dyersville Poultry and Pet Stock Association will hold its annual exhibition at Dyersville, Iowa, December 2 to 6, 1913. U. J. Shanklin, judge. Frank Faha, Jr., secretary.

### ANOTHER BIG FALL FAIR TO HAVE AN UP-TO-DATE POULTRY DEPARTMENT.

Fall fair poultry shows nowadays have the call and that fair associations are appreciating this is shown by the fact that Lancaster County Fair has just decided to make poultry a big feature at their fair hereafter.

Lancaster county, Pa., is the richest agricultural county in America and its fair association has lately elected Mr. W. Theo. Wittman, well known for his work with the Great Allentown Fair Poultry Show as manager of the poultry department. This means that the Lancaster Fair Poultry Show will hereafter be on the map and add one more to the list of great fall fair poultry shows.

For this first year the entry fee will be only 50 cents with liberal premiums and with good management and good care of the exhibits absolutely guaranteed. Two express companies also guarantee good shipping service. The poultry building is now being entirely rebuilt and will be a magnificent poultry show hall by the day the fair opens.

For those who in past years would have liked to show at Allentown but have felt that the dollar entry fee there was too high, the Lancaster Fair offers a splendid chance to exhibit. Again Lancaster will be the week after Allentown and it will be an easy and short haul to ship from one to the other and many will want to make both shows.

Premium list will be ready some time in July and can be had by addressing the secretary, J. F. Seldomridge, Lancaster, Pa.

### LOUISIANA STATE FAIR.

The Eighth Annual Poultry Show of the Louisiana State Fair will be held at Shreveport, La., November 5-12, inclusive, 1913. One thousand dollars in cash premiums are offered on poultry. This show was selected as the official show for the Louisiana branch of the A. P. A.

The poultry building is 80x160 feet and several hundred new Empire coops will be added this year.

Mr. O. L. McCord, of Danville, Illinois has been selected as judge. Mr. S. M. Watson, of Shreveport, La., is superintendent. For catalog and premium list write to Louis N. Brueggerhoff, secretary, Box 1100, Shreveport, Louisiana. All these officials are members of the A. P. A.

## Grannis Bros.

### Baby Chicks EGGS

### Breeding Stock

Buff and White Orpingtons

White Wyandottes

S. C. and R. C. Rhode Island Reds

White Leghorns

Buff Leghorns

Indian Runner Ducks

At eight of the largest shows in U. S. we won

260 Prizes

All our baby chicks are hatched in Hall Mammoth Hot Water Incubators and are equal in every respect to hen hatched chicks.

Send for Catalogue.

### GRANNIS BROS.

Route 12, Bryn Mawr Park, YONKERS, N. Y.

Herman W. Grannis, General Manager

**U. R. Fishel's Ad in this issue will interest you. Read it.**



## WHY NOT SPEAK OUT IN MEETING?

**We Need Coöperation Among Poultry Keepers—If You Have a Good Idea Tell Your Neighbor About It.**

By H. E. Nosyt.

VERY FEW OF US have as yet learned the value of coöperation. We are, each of us, working in our own poor little miserable way to produce something that another in some corner of the earth is struggling to get; which is all right in a way, but the proof is everywhere evident that neither the producer or the consumer is getting good value for his time and money.

The chief cause is the lack of coöperation among all classes of people. Everything of any importance that has been brought about since the world began has been the result of the coöperation of the people who dwell therein. One man or one woman is so helpless as to be all but pitiful without some assistance from other men and women about them. And so it is when we come down to our own ideas and thoughts on the subjects in which we are interested. What do they amount to if we do not enjoy the right of studying and delving into the thoughts of others who are interested along similar lines? Here and there we gather a hint of something above the ordinary. Now and then we pick up a thought that when worked on, grows into a really big and useful idea.

It has seemed to me for many years that here is where poultry keepers need greatly to coöperate. I have been reading poultry papers for at least two decades and practically the same things have been printed over and over in the majority of them during all that time. Verily, it is very rare that we get a new idea. I can count on the fingers of my two hands the new things of importance that have been brought forth during that time. Which goes to prove that the average poultry writer has not exercised his inherent right to think; the threadbare thoughts of others have satisfied him for many years, and in many cases are still doing duty.

Everywhere we meet the poultry keeper who knows all there is to learn of a business which has made and lost millions. His ideas are sane and practical; your way and mine make him tired. But, the gods be praised, we are not all cast in the same mold.

I have been reading all of Mr. Stoddard's new gospel of poultry keeping and putting all of it that I can to the test and it "grows on me" that he knows whereof he speaks. I regret that the cage roost is not available all the year round in northern climates, since it would so greatly lessen the cost of keep.

In regard to his suggestion for using orange crates for nests, I have tried it with great success, but find that the openings must be secluded and consequently I fasten the boxes to a bracket platform, at a convenient height for gathering the eggs, with the opening toward the wall of the house, leaving sufficient room between for a hen to use the board walk and select her quiet corner. I have experienced much trouble in large flocks with that "pestiferous"

profit-destroyer, the egg eating hen. She not alone thins down the profits of an egg farm but increases the work, and plays havoc with the poultryman's disposition. I have to date found but two Cures for Egg Eating.

One is to eat the hen, and the other is effected in the following manner:

Whenever or wherever a hen is found picking at the shell of an egg, or eating the contents after she has gotten at the "meat in the cocoanut," remove her from the flock and cut her bill down at the point, until it bleeds slightly. This, of course, exposes the nerves near the end of the bill. The bird is then placed in a coop with a grass run and given

nothing to eat, but eggs in the shell. Naturally every time she picks at the shell of one of these it hurts so that she soon stops and after a day or two of this treatment I have never known a hen to again develop this bad habit. The eggs supplied such a hen will be found with blood "pecks" on the shells, showing that she tried to break the shell, but the process was too painful.

There are probably several causes for this bad habit developing among laying hens, but none which foster it more than that of nests exposed to the light, and too many birds having to use the same nest. In a flock of one hundred birds at least twenty nests should be pro-

# S. C. R. I. REDS

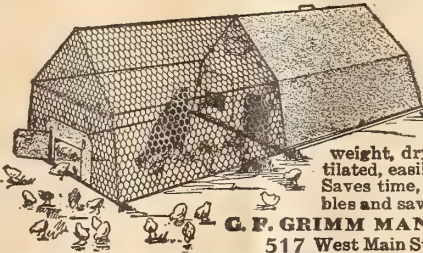
Philadelphia, Cleveland and Pittsburgh Champions. A few settings at half price after June 1st, 1913. Send for free catalogue. Young stock for sale.

Schenley Heights Poultry Farm, 1202 Commonwealth Bldg. Pittsburg Pa.

## GRIMM'S CONVERTABLE BROODERS

The roomiest steel brooder made. The wood bottoms are chemically treated which makes them immune from lice, mites, and rats will not gnaw them. Vermin proof. Write for our circulars and read what many satisfied users say.

\$1.85 without yard, \$2.50 with yard, Hovers 50 cents, Heaters \$1.50 complete (top heat) Makes a safe place for the setting hen.



10 square feet of floor space in brooder and yard. Size of brooder 2 1/2 feet long, 2 feet wide and 18 inches high. Yard same size. They are built for continuous service, are lightweight, dry, strong, large, well ventilated, easily cleaned and kept clean. Saves time, saves money, saves troubles and saves the chicks.

G. P. GRIMM MANUFACTURING CO.  
517 West Main Street Atchison, Kansas

## Before You Build or Buy



Get Our Big New Catalog — See How Much You Save by buying Potters Portable Factory-made Fresh-air Houses; coops, feed hoppers, fountains, vermin proof roosting and nesting fixtures, etc.—everything for poultry owners. Highest grade and cheaper than you can make at home.

### Ten Years' Experience

Houses made of matched Red Cypress flooring. Painted 2 coats. Every house set up and fitted perfectly at our factory. Shipped to you in convenient sections. Price for 25-Hen House complete with roosting and nesting fixtures, \$22. Twenty other sizes and styles to select from. Lowest prices. Book full of good ideas for poultry keepers. Mailed for 2 Red Stamps. Write today. Potter & Company, Box E21, Downers Grove, Ill.

## GET POTTER'S CATALOG



## URBAN FARM CHAMPIONS

We will spare a limited number of settings from our prize winning Black Langshans, White Rocks, S. C. Mottled Anconas, Silver and Golden Campines, Black Tailed Japanese Bantams at Boston Show, 1913. Three varieties shown, our entries won eight firsts, four seconds, two thirds, one fourth, two fifths. Of 34 birds shown, 29 were under the ribbons. Mating list for 1913 on application. Correspondents please write their name and address plainly.

URBAN FARMS,

PINE RIDGE,

BUFFALO, N. Y.

## S. C. WHITE LEGHORNS

Our birds have won in almost every important show in this country and Canada for our customers. They have won 35 firsts, 22 seconds, 28 thirds, 18 fourths, 16 fifths and almost 100 cups, specials, etc., in the last three years at Grand Central Palace, New York, Boston and Philadelphia for us. They can win for you. Our record for 1912 has never been approached by any White Leghorn breeder at the big shows. We can supply hatching eggs at 60 cents each from our very best pens. (The same ones we hatch our own winners from). 35c and 20c each, or \$15 per 100 from other good matings. Buy from the breeder that produces the goods. Actions speak louder than words. Now booking orders for the early Fall shows. Some choice breeding stock for sale. Write for prices and mention American Poultry Journal.

Dune Alpin Poultry Farm, Geo. J. Kerr, Mgr., Box 561-J, East Hampton, N. Y.

**U. R. Fishel's Ad in this issue will interest you. Read it.**



vided. Less than that will result in eggs being broken in the nests by crowding. Last season a flock of ninety hens yarded in a grove of trees were provided with fourteen nests, placed about in secluded places. They used these liberally, but supplied themselves with fifteen other "nature spots," showing that they do not wish to be crowded on the nest.

Where broody hens are not to be used for incubating eggs, they should be broken up as soon as they show a disposition to sit, but in the spring of the year poultrymen, especially egg farmers, will find it greatly to their advantage to use them for hatching and brooding chicks. The best plan is to give them the comforts they require and let them alone with as many eggs as they can cover. A "pestered" broody hen is invariably a "pesky" broody hen, while a good one undisturbed is apparently as calm and unmoved as the Sphinx. For breaking up broodies, I

**Did you read 'about the great American Poultry Journal Year Book on page 1042**



All steel, nickel plated, punches clean. Hole is right size; will not bruise the foot. Price 25c by mail, or at your dealer. J. O. Petter, State St., Belvidere, Ill.

## Barry Farm

**S. C. White Leghorns**

H. R. BARRY, Owner

Box 117

Far Hills, N. J.

## Having Trouble With Your Flock?

Write for free advice, also send 4 cents in stamps for copy of Conkey's Poultry Book, 80 pages. Address THE G. E. CONKEY CO., Dept. 18, Cleveland, Ohio

## PARDONNER'S S. C. R. I. REDS

Eggs from prize winners \$1 to \$3 a setting for the month of June only.

Wm. A. Pardonner, R. 1, Ingomar, Ohio

## OKE'S HAMBURGS & BANTAMS WIN

"The world over"—Boston, New York, Baltimore, Toronto, all great shows. Golden and Silver Penciled and Spangled and Black Hamburgs, Seabright, Black and White Rose Comb and Jap Bantams. Eggs \$5 per setting. Write your wants.

R. OKE. BOX 361-A, LONDON, ONT.

## PAGEL'S

PERFECTION SANITARY CHICK FOUNTAIN AND FEEDER



The most perfect chick fountain made. Does not spill the water when inverted. Supplies the water, feed or grit automatically. Inquire at your dealer, or sent direct postpaid for 25 cents. Write for free descriptive circulars. PAGEL POULTRY SUPPLY CO. Lock Box 211, Rockford, Illinois. Mrs. of the Page's Non-Freezing Fountains and Page's Non-Clog Economy Dry Feed Hoppers.

use what is known as "the dip," which is a slatted coop about four feet square and hung suspended from the limb of a tree by means of a heavy rope. The rope should be knotted at one end and then passed through a hole in the center of the top of the coop, which must be made of sufficiently heavy lumber to hold well and then tied to the limb of the tree, allowing it to swing at a convenient height for putting in broodies, and taking out birds soon to begin laying again.

Not all poultrymen have gotten on to the best methods of collecting eggs. I prefer a basket large enough to hold about two hundred eggs and no more. I have frequently seen pictures of men carrying baskets of eggs of sufficient size to hold from four to six hundred eggs, but either the baskets must have been like we sometimes find strawberry boxes of no particular depth, or they were partly filled with excelsior, or the men were holding them just long enough to "see the birdie" and no longer. Four hundred eggs is about all I care to carry at one time and I do not want these all in one basket. It also simplifies matters greatly to pack the eggs each day as they are brought in, and it pays to select and grade them, rejecting all dirty or soiled eggs for the best trade. The matter of dirty eggs is mostly solved when the egg eating habit is broken, that is, if the nesting material is kept fresh and clean and the birds are not allowed access to swamps and filthy places.

We who are pursuing the elusive dollar by means of the production of high class "day-laid" eggs must see to it that the bloom of the new laid egg is not tarnished, and that it reaches the consumer in all its purity.

We hear much about the combination of poultry and fruit being an excellent one, and when we consider some facts given out by Mrs. Margaret M. Nice, Cambridge, Mass., there is every reason to believe the statement. Mrs. Nice has made an exhaustive study of bird life and she finds it to be an actual fact that a laying hen eats thousands of bugs and worms every day when given the opportunity to do so. Among other things she states that a laying

hen which she had under surveillance consumed more than a thousand house flies daily, and at another time five thousand aphids, together with twelve hundred rose slugs. A six weeks old chick consumed thirty-seven grasshoppers and two thousand four hundred seeds of pigeon grass, besides sixty-five large black crickets. Mrs. Nice in making these experiments has done so wholly by the living feeding test method, by giving different foods to the birds and counting and weighing the amounts, as the case might be. It looks as though the man who keeps a few thousand laying hens and raises chicks by thousands is not alone a public benefactor by increasing the food supply but also by decreasing the number of bugs and worms that are gnawing at the vitals of all plant life. Truly the hen has a mission to perform as she goes scratching about the roots of the trees in the orchard. For this reason as well as for many others we need her in our business.

## PRIZE MONEY FOR PARTRIDGE WYANDOTTE BREEDERS.

To create a healthy rivalry and increase the interest of the breeders of "Premier" Partridge Wyandottes, Sheffield Farm, Glendale, Ohio, will offer the following liberal cash prizes at the Ohio State Fair, the Illinois State Fair and the New York State Fair during the fall of 1913.

First Pen, \$25.00.

First Cock, \$25.00

First Hen, \$25.00

First Cockerel, \$25.00

First Pullet, \$25.00

These prizes are open to all customers of Sheffield Farm who enter their birds as "Premier" strain Partridge Wyandottes and Sheffield Farm will not be a competitor. The secretaries of the above mentioned fairs have been notified of this offer, which is of course in addition to the regular premiums. The Partridge Wyandotte breeders have been enthusiastic exhibitors at the poultry shows during the past few years and this offer will probably bring out a good lot of birds at the fairs named.

## 43 Varieties

Poultry, squab breeders, fancy pigeons, ducks, geese, peafowl, pheasants, wild game, dogs, incubators, feed and supplies. Handsome catalog containing 150 illustrations, four cents.

MISSOURI SQUAB CO. Dept. R KIRKWOOD, MO.

## CANADA'S WHITE ROCK FARMS

Originator of Royal Strain—and bred by me for a great many years. Leading winners at Guelph, 1912, and Buffalo, 1913. Sixteen pens mated for this season's egg trade. Send for Mating List. Satisfaction Guaranteed.

J. L. BROWN, Seaforth, Ontario.

## GREENAN'S WHITE WYANDOTTES

At Pt. Huron, 1913—America's Quality Show.—Won everything in sight, first and second cock; first hen; first cockerel 1911-1912-1913; first pen 1913; best display 1912-1913. Send for my mating list and see who has the winning kind. Fine breeding males, \$5.00 to \$10.00. Book your egg orders now. Please mention A. P. J. B. GREENAN

DECKERVILLE, MICHIGAN

## "O.K." Poultry Litter

TRADE MARK

Cheaper and much better than straw, clover, alfalfa, sawdust, shavings or anything else ever thought of for litter.

### "O. K." Keeps the Brooder Clean, Dry and Sweet without Once Cleaning Out

One lot of "O. K." Litter lasts until the chicks have outgrown the brooder. In coops, laying houses, colony houses and scratching pens "O. K." Litter dries up the droppings so that the house is always dry, clean, sweet-smelling and sanitary, and needs cleaning out only once in four or five months. A tremendous saver of time and money.

### WRITE TO-DAY FOR FREE SAMPLE

"O. K." Litter will not burn. Lice will not come where it is used. Tell us how many hens and chicks you keep—we will tell you how much "O. K." Litter you need. Write New York for free sample and printed matter.

O. K. COMPANY, Dept. 173, 157 Water Street, New York City  
Direct shipments also from Chicago and New Orleans.



## GREATER NEW YORK FAIR.

## Poultry Events in August—Big Attractions.

With over ten million people within one hour's ride of Empire City Park, New York, the poultry events scheduled for the month of August at the Greater New York Fair and Exposition will be the most important events of their kind ever held in the United States. The Greater New York Fair Shows open the season. A big list of cash regular and special prizes—uniform cooping—special poultry building—America's foremost judges—everything down to the minute. Breeders cannot afford to miss this show. Every exhibitor allowed to place cards and ad-

that locality. Catalogue will be out December 1st. You should have your name on the list to receive a copy promptly. Ora Overholser, secretary, Eaton, Ohio.

The American Partridge Plymouth Rock Club Quarterly has just made its appearance. This quarterly contains ten pages and cover, very neatly gotten up and chuck full of information about the club and Partridge Plymouth Rocks. All those interested should send for a copy to the secretary, W. H. Stephenson, Kempton, Ind.

The Eighth Annual Exhibition of the Utica Poultry & Pet Stock Assn. will be held January 12-17, 1914, at Utica, N. Y. A. G. Warner, secretary, Whiteboro, N. Y.

The American Poultry Association

ble information in regard to this show and what has happened at the shows held in the past. Don't fail to send for a copy of this booklet, whether you intend to exhibit at this show or not. There are many valuable hints worth remembering. Address L. D. Howell, secretary, Mincola, N. Y.

The Second Annual Show of the Marion Indiana Poultry Assn. will be held December 10 to 13, 1913, at Marion, Ind. H. A. Pickett, judge; Frank Sherwin, secretary, Marion, Ind.

The Eighth Annual Arkansas State Fair will be held at Hot Springs, Ark., October 27 to November 1, 1913. For full information and catalogue write to Geo. R. Belding, secretary, Hot Springs, Ark.



FIRST PRIZE PEN'S C WHITE LEGHORNS AT MADISON SQUARE GARDEN N.Y. 1912-13  
Bred And Owned By SKYLAND FARMS  
STERLINGTON N.Y.

vertising matter on coops the moment the birds are caged for the show. Our judges are professionals in their line of work, and their integrity is not to be questioned. The best bird only wins at the Greater New York Fair and Exposition. The following events have been announced:

Poultry Show, Aug. 4-9; entries close July 20th.

Pigeon Show, Aug. 11-16; entries close July 27th.

Bantam Show, Aug. 18-23; entries close August 5th.

Pet Stock Show, Aug. 25-30; entries close August 12th.

Send today for premium lists and entry blanks.

JOHN A. MURKIN,

Supt. Poultry, Greater New York Fair & Exposition.

Heldberg Building,  
New York City.

The eleventh annual catalogue of the National Rose Comb White Leghorn Club is now ready for distribution and will be sent free to those desiring it. Address John J. Peters, secretary, Belleville, Ill.

The Preble County Poultry Show will hold its 5th Annual Show February 2-7, 1914, at Eaton, Ohio. This will be the fifth show held under this management and promises to be the leading show in

Standard Revision Committee will meet in Indianapolis, July 8. All breeders of thoroughbred poultry should be interested in the work this committee is doing and should lend their assistance in every way possible. All communications addressed to W. C. Pierce, Carmel, Ind., will be given careful attention.

The Paterson, N. J., Poultry, Pigeon and Pet Stock Association recently elected the following officers: President, W. A. Shultz; vice president, Geo. W. Cisco; secretary-treasurer, G. Johnston, 210 Market St., Paterson, N. J.; assistant secretary, D. Sweetman; by-law committee, J. T. Wells, Jr., chairman; supt. of show, Geo. W. Cisco; 1st assistant supt., C. A. Klevit.

The 13th annual show of the Warren County Poultry and Pet Stock Association will be held January 5-9, 1914. J. Frank Van Alstyne, judge. For further information write the secretary, L. C. Conroy, 26 Cedar St., Warren, Pa.

The Empire Poultry Association will hold their Seventh Annual Show at Grand Central Palace, New York City, December 2-6, 1913. This association recently published a very neat booklet, entitled, "The Lucky Seventh" Palace Show, copy of which will be sent to any one interested. This booklet contains much valua-

The Onondaga County Poultry & Pet Stock Association has been organized in Syracuse, N. Y., with a membership of 165. It is the intention of the association to hold one of the largest shows in the State, December 7-13, 1913. For further particulars write the secretary, H. Augustus Eiler, 412 Prospect Ave., Syracuse, N. Y.

The 4th annual show of the Mount Carmel Fanciers' Association will be held November 25-29, 1913, at Mt. Carmel, Pa. At this show will be given \$700 in silver cups and \$500 in cash. Catalogue will be ready September 1. For further particulars write the secretary, Theo. F. Owens, Mt. Carmel, Pa.

The First Annual Exhibition of the Sayville Poultry Assn. will be held October 21-25, 1913, at Sayville, L. I., N. Y. Fifty silver cups, besides cash prizes, will be awarded. Theodore Helm, secretary, Sayville, L. I., N. Y.

The annual show of the Florida Fanciers' Assn. will be held in Tampa, Fla., December 29th to January 3rd, and the second annual show of the South Florida Poultry Assn. will be held at Lakeland, Fla., December 8th to 13th. For full information write the secretary, J. H. Wendler, P. O. Box 931, Lakeland, Fla.

**U. R. FISHEL'S AD in this issue will interest you. Read it.**



## ANNOUNCEMENT.

The Chicago House Wrecking Company, who have been constant advertisers in our columns for the past seven years, and who have become known as the great price wreckers, recently incorporated under the name of Harris Brothers Company with a capital stock of \$10,000,000.

In 1893 the Chicago House Wrecking Company was incorporated, and since that time its executive officers have been the four Harris brothers. This company in 1894 bought the complete World's Columbian Exposition of Chicago and in the succeeding years the Trans-Mississippi Exposition of Omaha, the Pan-American Exposition of Buffalo, and the Louisiana Purchase Exposition of St. Louis.

During the past 20 years this company has gained national fame and repute as being the largest institution in the world devoted to the sale of lumber and building material supplies direct to the consumer. The public have benefited greatly by the operations of the Chicago House Wrecking Company.

During the early part of the career of this company they confined their business mainly to the building lines, but as years passed other lines of merchandise were added to their business, gradually

including practically every known manufactured article, such as plumbing, heating, hardware, machinery, paint, harness, sporting goods, groceries, furniture, floor covering, roofing, fencing, clothing, etc.

As time passed, they felt that their name, The Chicago House Wrecking Company, was a drawback and a misnomer. They have spent millions in advertising that name to the public and in acquainting it with the nature of their business and the opportunities afforded to save money in the purchase of supplies. And yet as their business became more and more famous and their volume of sales increased farther and farther into the millions and as the number of their customers and patrons began to range into the hundreds of thousands, they recognized that they were incumbered with a name that failed to do justice to the business in which they were engaged and so, after much consideration, they have determined to take a step forward and to use as the title of their company the names of the men who have built up this great commercial enterprise; that is why they changed their name to the Harris Brothers Company.

There is no doubt but that the new name will put that touch of personality

into this institution to which it is justly entitled.

The four Harris brothers are men in favor of the idea of conducting a commercial institution second to none, of selling goods to the public of a known given quality, selling them at a price that means a material saving and of giving personal service in connection therewith that can not help but win public favor.

It is not their intention to discard the name, Chicago House Wrecking Company. It has been the means of building up this business and of bringing them that acquaintanceship which must be a source of gratification to any business house. They shall retain as their slogan the "Great Price Wreckers," to which they are justly entitled, because they have wrecked prices continuously and shall go on and on plying this vocation.

As a matter of fact it is hardly necessary to give public announcement of the change of their name from Chicago House Wrecking Company to Harris Brothers Company, as practically every one knows that the Harris brothers own the Chicago House Wrecking Company, and in the future we ask our subscribers to address them as Harris Brothers, 35th and Iron Sts., Chicago, Ill.

C. L. Cunningham, of the firm of Cunningham & Son, Caruthersville, Mo., informs us that owing to ill health he has decided to sell all of his birds, especially the show birds, and will make very attractive prices to those who can purchase them at once. He has about 50 very choice show birds, also about 50 cocks and many fine early hatched birds to offer at bargain prices. This firm makes a specialty of Single Comb White Orpingtons and during the past two years have won many prizes at the leading shows in the Southwest. Write at once for particulars and mention American Poultry Journal.

## SELECTING INCUBATOR EQUIPMENT.

Now Is the Time to Plan for Next Season—And When You Do Plan, Be Sure and Have All the Information—Here's a Way to Select Your Incubator with Safety.

Now that the grand rush of the hatching season is over, and work on the plant has assumed the easy routine of summer, poultrymen are beginning to take stock of their operations. They are casting up balances of the past six months' income and outgo, and making plans for next winter. For the man who makes a real success with poultry must be always on the outlook. He must note changes in prices and market conditions; improvements in methods and any deterioration of his equipment. He should plan for the next year with his eye on the experiences of the past season.

One of the first and most important things he should take into consideration—this progressive poultryman who is seeking to expand his business and increase his profits—is his incubator. His entire operation depends on his hatching equipment, and no part of his plant will repay so well a careful and thorough investigation. This investigation should be made with the records of the past season's hatches at hand, and any faults that appeared should be rigidly traced back to their causes.

Not only should defects be scrutinized, but the general cost of hatching. In this day of careful management and cutting down of costs at every stage, there is only one system of incubating that can be run at a minimum of expense. This is the mammoth incubator system, and the man who, with such superb equipment available as the famous Hall Mammoth Incubator, continues to use the old-style oil-heated machines is either conducting his plant on a losing basis as far as unnecessary expenditure is concerned, or has too small a number of birds to be considered in a commercial sense.

The Hall Mammoth Incubator is the ideal hatching equipment. It is built on principles that are safe and absolutely reliable. Its fuel cost is much lower than that of oil machines of equal capacity, and its large hatches of strong, healthy chicks cause it to be the most profitable incubator on the market.

Now is the time for the poultryman to plan for his increased capacity next year, or to replace his present system, if it has not been all that he desires, with a better and more efficient one. But the consideration of the new installation

## Cherry Reds Are Winners

Desireable breeders at a very low price. Write your wants. Mention A. P. J.  
ERNEST F. BIRKHOFF, SINGLE COMB REDS, WILLOUGHBY, OHIO

## SINGLE COMB WHITE LEGHORNS

Large pullets, September layers, \$10 per doz.; cockerels, 75c; yearlings, \$1.25. Laying Bred.  
JOSEPH STENZ & SON - FOND DU LAC, WISCONSIN

## Rose Comb Reds

Great reduction sale of breeding stock. We are offering this month grand breeding females at \$3, \$5 and \$10 each. This is cutting prices in two. Here is the chance to get some fine birds at a very reasonable price. We also have several fine male birds at \$15 and \$25 each. Remember if you buy of us and don't say these are the best birds you ever purchased for the money, send them back and we will gladly refund the purchase price. If you are in need of a fine cockerel or pullet for your fall show, we have them that win. Everything sold on approval. Give us a trial. Mention American Poultry Journal.

Simmons & Crittenden

Geneva, Ohio



## Automatic Sanitary Trap-Nest

Made of sheet metal, vermin proof, strong and durable. Requires no attention. Operated exclusively by fans, separating layers from drones. Cheapest, best, simplest. Write for free booklet or agency. Mention Am. Poultry Journal.

Automatic Sanitary Trap-Nest Company

DULUTH, : : : : MINNESOTA

Bargains in Chicks  
for July, August and September

There is big money in raising chicks for the fall and winter market. We make a specialty of summer broiler chicks, hatched from large breeds only. We guarantee safe delivery of live, strong chicks to your Express Office. We have also cut the prices of all our pure bred fancy stock. Our prices on chicks are lower than most breeders ask for eggs of the same quality. If you have never tried our "better hatched" chicks you have never know what strong chicks are, the kind that live, mature rapidly and grow into money. Order direct from this

list. A shipment each week. No delay. We are the only large plant doing business all summer. S. C. White and Brown Leghorns, 25 for \$2; 50 for \$4; 100 for \$8; 500 for \$40. Barred Rocks, White Rocks, S. C. Black Minorcas, S. C. and R. C. R. I. Reds., 25 for \$2.50; 50 for \$5; 100 for \$10; 500 for \$50. White Orpingtons, White Wyandottes, 25 for \$3; 50 for \$6; 100 for \$12; 500 for \$60. Assorted, left after regular orders are filled, no choice, 25 for \$2; \$50 for \$4; 100 for \$8; 500 for \$40. Mixed broiler chicks from large breeds only, 100 for \$8; 500 for \$37.50. Send money order for full amount with order to

The Co-Operative Breeding & Hatching Co. - Box A - Tiro, Ohio



should not be delayed. NOW is the time to begin planning, for many reasons. The incubator concerns will be rushed during the late summer months and the early fall, and shipment will be delayed if the order for equipment is put off until that time. And the purchasing of incubating machinery should not be made hurriedly, but every phase of the situation gone into thoroughly.

Every poultryman who is planning any changes whatever in his hatching equipment for next season should certainly secure a copy of the Hall Mammoth Incubator Company's Catalogue of Incubators and Brooding Systems. The book is called a catalogue, but it is very much more than this. It is, in fact, a thorough and most authoritative text book on hatching and raising chicks. It is written by men who have made a study of these problems for years and who are thoroughly conversant with every phase of the poultry business. These authorities discuss the problems of heating, regulation of temperature, means and methods of ventilating and other important questions in a manner that is at once interesting and most valuable. No

### Columbian Wyandottes Silver Campines

Eggs for hatching half price after June 1st. Special Columbian Wyandotte cuts for sale. Free circulars.  
C. L. PATTERSON -- BARBERTON, OHIO

### S. C. Black Orpingtons

Eggs \$2.00 per 15. Stock at one half price.  
Foster & Johnston, R.F.D. 7, Ft. Wayne, Ind.

### Simplex Brooder Stoves

save 90 per cent of your labor, 75 per cent of operating expenses, and bring to maturity from 20 to 30 per cent more and better chicks. Get our free cat.  
Simplex Brooder Stove Co., 137 4th St., Grand Rapids, Mich.

### Single Comb Rhode Island Reds

1 cockerel; 6 pullets and 2 hens, including 3d cockerel, Elgin, 1 pullet and 1 hen, fine stock, to close out at a bargain. Will ship on approval.  
Harry A. Muntz, 565 Spring St., Elgin, Ill.

## Ardmere Farm

Single Comb White Leghorns. Pekin Ducks.  
Write for price list, mention A. P. J.

FRANK E. BOYLE, Prop.  
BOX 2 OCONOMOWOC, WISCONSIN

## ORPINGTONS

White, Black and Buff and eggs for hatching at half price. None better in the world. Catalogue free.

**BRUCE**  
Poultry Stock Farm  
Lynbrook, L.I., N. Y.

Single Comb White  
**Leghorns**  
Exclusively  
Write your wants and get our extremely low prices, as we must make room. Catalogue Free.

THE ELLIOTT POULTRY FARM  
R. F. D. 7 Mansfield, Ohio

## "Licene" KILLS

One application of Licene kills every louse and "nit" on your birds and they will keep free from lice for six months.

Mr. J. G. Budde, a prominent R. I. Red breeder, says:

"Gentlemen:—After using your preparation I find it has entirely eradicated all lice from my birds. This is the first year my birds have been entirely free from lice."—J. G. Budde, Oak Park, Ill.

Enough for 200 birds, postpaid 50 cents. Money refunded if not satisfactory. Circulars free. Agents wanted.

THE LICENE CO.  
1500 Pontiac Building -- Chicago, Illinois

poultryman, whether he intends to purchase Hall Mammoth Incubating equipment or not, should be without a copy of this book. It will give an insight into the principles underlying the poultry business that means better methods and larger profits.

Write the Hall people for a copy of their catalogue today. A postal will bring it to you—a handsome, 64-page book, filled with valuable information and well illustrated with diagrams and photographs. Address the Hall Mammoth Incubator Company, Little Falls, New York.

### WHITE DIARRHOEA PREVENTED AND CURED.

The first thing necessary for the prevention of white diarrhoea in little chicks is perfect health in the hen. This insures high vitality in the egg and this in turn a perfectly healthy condition in the chick at the hatch. It is safe to say that nine-tenths of the chicks which die of white diarrhoea are hatched with the disease in their system. To eradicate this condition, we must begin on the hen which lays the egg.

Elsewhere in this issue the Nabob Remedy Co., Box 1, Gambier, Ohio, tell of their wonderful discovery, PRESCRIPTION NO. 4.

They claim that this prescription, if fed as directed, will keep the fowls in such perfect health that the egg will have such a high vitality that your chicks will naturally be free from the dread scourge of white diarrhoea at hatching time. This is nine-tenths of the battle.

The following is a copy of one of scores of letters coming into their office daily:

"Reesville, Ohio, March 22, 1913.

"The Nabob Remedy Co.,

"Gambier, Ohio.

"Gentlemen:—Inclosed find 25c for a box of remedy No. 5. I am using your No. 4 and find it all you claim for it.

"Yours truly,

"W. A. LINKHART."

About one-tenth of the white diarrhoea is caused after the chick is hatched by overheating, chilling, bad feeding, and uncleanliness.

The Nabob Remedy Co. have discovered a remedy which will prevent the disease arising from any of these causes, if it similar in their symptoms and both such is given as directed from the first feed. White diarrhoea and cholera are very cumb to the same treatment and both are prevented by the same means.

Prescription No. 5 is the remedy which has been recommended by the Colorado Agriculture College as the one best remedy for cholera, and it has been found to be a true preventive of white diarrhoea.

The prescription may be had for 25c with the guarantee that your money will be refunded if you are not satisfied after using it all.

When once the dreaded scourge has broken out, nothing has been found so successful in combating it as Prescription No. 3.

This prescription No. 3 has been on the market for three years and thousands of boxes have been sold under a money back guarantee, yet the company claims that they have never been called upon to refund a single penny. They are so confident that if you once use Prescription No. 3 that you will not be without it thereafter that they will send you a big box for 25c and refund your money after you have used it if you are not satisfied.

Five pounds of Prescription No. 4 costs \$1, but to introduce their remedies to every poultry raiser, the company agrees to send 5 pounds of Prescription No. 4 and a big box each of No. 3 and No. 5 all for \$1 and refund your money after using them, if you are not satisfied. Every poultry raiser should take advantage of this wonderful offer.

The company will send their circulars free for the asking.

### FOUR-MONTHS' TRIAL SUBSCRIPTION.

For Reliable Poultry Journal only 10 cents. Stamps are acceptable. Or send for free sample copy of the most helpful poultry paper published. Address

Reliable Poultry Journal Pub. Co.,  
Box E-13, Quincy, Ill.

The E. C. Young Box Co. of Randolph, Mass., wishes to announce to their many friends and customers that they have secured from the management of the Second International Poultry Exposition, 450 feet of floor space at Young's Million

Dollar Pier, Atlantic City, N. J., where they will have an exhibit from July 4th to September 1st of their entire line of Poultry Houses, Coops, Oat Sprouters, Trap Nests, etc. Call and see them, but first write for their booklet. IT'S FREE.

A striking actual test for a roofing is that offered by Bird & Son, East Walpole, Mass., Makers of NEPONSET Roofings, NEPONSET Waterproof Building Papers, NEPONSET Wall Board, etc. It is as follows:

The Chicago & Northwestern Railroad, one of the wealthiest roads in the country, covered the old Wells Street Chicago terminal with NEPONSET Paroid Roofing in 1903. When the terminal was torn down in 1911, 8 years later, the roofing was in such excellent condition that the railroad officials decided to save it and it was rolled up and used on the roofs of other stations of the system. This roofing is giving just as much service today as it was the day it was first laid, 10 years ago.

This is certainly a remarkable test. NEPONSET Paroid Roofing has also been used very extensively by the United States Government. In Panama alone it has used over 1,400,000 square feet and in Panama, Cuba and the Philippines it has used over 3,000,000 square feet.

NEPONSET Paroid was one of the first ready roofings on the market.

NEPONSET Proslate is a recent development of Paroid, intended for residences, club houses and other buildings which require an artistic roofing. It is just as long lived as NEPONSET Paroid, but has the additional feature of being colored. It is furnished in attractive shades of red and green.

## Dr. LeGear's Poultry Remedies Are Sold Everywhere

Dr. LeGear's Dip and Disinfectant keeps your poultry houses free from lice. There is a remedy in Dr. LeGear's list for every poultry ailment.

ASK YOUR DRUGGIST

DR. L. D. LEGEAR MEDICINE CO.  
709 HOWARD ST., ST. LOUIS, MO.

## GOING TO BUILD?



### These 2 Great Books Will Reduce Your Building Expense

A big 224-page Catalog of Millwork and Building Material, containing cuts and net prices of 8,000 money-saving bargains. A handsome Plan Book of Modern Houses, bungalows, summer homes, barns and ready-built garages, showing 60 splendid exterior views with floor plans, priced from \$50 to \$4000. Don't pay dealers' prices—we sell direct, factory to user. You can save money.

#### Custom Made Rustless Screens

Screen Doors Screen Windows Porch Screen Everything in lumber, flooring, roofing, doors, windows, mouldings, porchwork, building paper, lawn and home furnishings, hardware, paints, plumbing, heating, fancy hardwood floors, metal ceilings, etc., all at wholesale prices.

Don't build, repair or remodel without these valuable books. We guarantee quality, sale delivery, satisfaction or money back. Write today for Catalog No. 138 and if you intend a new home also get Plan Book No. 148. Both are Free.

CHICAGO MILLWORK SUPPLY CO.  
AMERICA'S GREATEST SASH AND DOOR HOUSE  
1479 West 37th Street, Chicago, Ill.



### THE PRESERVATIVE VALUE OF NATURAL ASPHALT.

It is a surprising fact to many that not only did natural asphalt exist thousands of years ago, but that its remarkable preservative qualities were known to the ancients from almost remotest periods of antiquity.

It is said that natural asphalt was used in the construction of the Tower of Babel, and it is known that natural asphalt entered into the building of the walls of Babylon.

Moreover, the Egyptians were another people who utilized asphalt in practically its natural state for preserving various articles, prominent among them being the bodies of their dead. That its efficacy is positive and genuine is proved by the bringing to light of the mummies of Egypt in these modern times perfectly preserved, together with the trinkets buried with them, after the lapse of many centuries.

Even though the knowledge of this wonderful product of Nature was lost during the Middle Ages, the rediscovery of natural asphalt in modern times finds it just as valuable as in days of old.

Indeed, it has far greater value to the civilization of the present day because

the enlightenment of modern peoples enables them to apply scientific knowledge to its production and preparation, and thus give increased usefulness to such a product.

Its value is increasing daily in these practical times because of its recognized utility in many ways and places.

But where does this material come from? you may ask.

There are many deposits in different parts of the world, but by far the largest supply of natural asphalt of uniform quality is obtained from the asphalt lake on the island of Trinidad and Bermudez Lake in Venezuela, South America.

Charles Kingsley made Trinidad Lake famous in his nursery literature, and its notoriety has increased greatly of recent years, because of the fine quality of product it yields, and its adaptability to so many practical uses of modern civilization. Bermudez Lake also furnishes the same superior quality of asphalt, high in commercial value.

First, we have the asphalted city streets—the material which has revolutionized street-paving methods and done wonders toward reducing the nerve-racking noises incident to city life.

And the use of natural asphalt has also extended to country roads, which transforms the former rutty, sandy,

dusty, muddy trails into wonderful highways of travel, adding greatly to the joys of the motorist, as well as to those who are thus relieved of "taking his dust."

For roofs of buildings of all classes, from the smallest rural dwelling to the largest skyscraper of the metropolis, natural asphalt has demonstrated by its lasting waterproofing qualities its superiority over every other kind of roofing, not even excepting tin and slate.

Its use does not stop here, for as a waterproofing agent in foundation walls, floors, tunnels, or any masonry below or above ground natural asphalt plays a vitally efficient part.

Even in the form of a paint natural asphalt is the most satisfactory preserver of iron fences, steel girders, and metal work of any character from rust and all decaying influences.

New uses are constantly being found for this invaluable product of Nature.

This has recently been demonstrated on the farm by the use of natural asphalt for treating posts and other wood used in or exposed to dampness. Natural asphalt prolongs the life of timber indefinitely when properly treated.

Thus the field for this centuries-old product of Nature is ever broadening and is receiving new impetus in our own

## ORPINGTON FOWLS AND DUCKS



Winner at Grand Central Palace

Winners at Madison Square and Grand Central Palace, N. Y. My birds are all descendants from prize winners, and my recent "victories" at these two most prominent shows in America should convince you that I have "quality" that will please you. A few special bargains in trios and pens at this time.

ON 11 BIRDS SHOWN AT THE PALACE 10 WERE IN THE MONEY

ON 14 BIRDS SHOWN AT THE GARDEN 7 WERE IN THE MONEY

These prize winners are all in my yards and are mated for the egg trade. Plenty of grand pens to select from. Superb matings, \$5.00 to \$15.00 per 15. Excellent quality for the price.

### Buff Orpington Ducks

Madison Square winners. I won 1st pen, 2d young drake, 2d young duck and 3d. pen Grand Central Palace. I have as fine a flock of these most wonderful layers and money makers as can be found anywhere. Having a flowing stream insures my duck eggs being fertile. Duck eggs only \$3 to \$5 per 11. Write for prices on Baby Chicks, Catalog and mating list free.

**F. B. CRAWFORD BOX 115-A RAHWAY, NEW JERSEY**

## THE WILLOWS FARM



### "Frost White Strain"

## Our Birds Always Win

New York 1911

Chicago 1912

### Specialists in Show Birds

We are now conditioning the winners for

### The 1913 Fairs and Winter Shows

We Can Please You You Can Win  
Our Prices Are Surprisingly Low

Write Us Today Just What You Want

### The Willows Farm

Lock Box 488, South Bend, Indiana

Reference—The American Trust Co., South Bend, Indiana



time and our own country especially, because of the scientific knowledge applied to its practical use.

### A BIG PARTRIDGE ROCK SALE.

It is not often one of the world's greatest breeders of any variety of fowls offers every one of his matured breeding and show birds for sale. However, that is just what Mr. S. A. Nofztger, Box 38, North Manchester, Ind., the originator of the Partridge Plymouth Rock fowl, is doing this summer.

In a letter just received from Mr. Nofztger he states that on account of having about twenty-five hundred youngsters, he has decided to dispose of a large number of this year's breeders, which will enable him to give more time, space and attention to the growing stock, and says that while it is not probable that he will find purchasers for all of his matured stock, yet he is going to offer in this sale every full grown bird on his farm. In short he has set a price on each and every bird—a price so low that it will save the purchaser several dollars by buying during July and early August, as all birds that are not sold during the summer will positively be held for much higher prices during the fall and winter.

The 40 Partridge Rock matings on Mr. Nofztger's farm this season contain exactly 359 birds and among them are 21 different birds that have been under first prize ribbons at Chicago shows, 17 that took second prizes, 6 that took third prizes, 5 that took fourth prizes and 2 that took fifth prizes at shows in the same city. His yards contain 4 first, 2 third and 2 fifth prize winners at Madison Square Garden, New York, and a total of 109 other different birds that have won a first, second, third, fourth or fifth prize at shows held during the past two or three years in Topeka, Indianapolis, Kansas City, Huntington, or at the Indiana State Fair.

When we consider that here is a breeder who originated a very popular new fowl and placed them before the public, and who is now offering for sale every one of his matured breeders, that have among them 168 different prize winners, 66 of which were first prize winners at the leading shows of America as named above, it is beyond any question the greatest summer sale of poultry of any breed or variety ever offered to the public.

The plan by which Mr. Nofztger purposes to sell these birds in this "special summer sale" is to offer single males and females or in quantities to suit the purchaser; besides he offers an extraordinary bargain in trios for \$15 to \$25 per trio and in pens containing one male and four females for \$25 to \$30 per pen.

In view of the high breeding and show quality offered at the special low prices in this sale we certainly urge that those of our readers who are interested in Partridge Plymouth Rocks and who will need some adult fowls for new blood in the breeding yards, for show purposes or for a "first start," will at once write to Mr. Nofztger, explaining what is needed and get his prices. Do not overlook the fact that this well-known breeder always guarantees every bird he sells to suit the purchaser or it is no sale, and Mr. Nofztger says, "The trains run both ways and I will always refund the purchase price, less return charge, whenever a bird is returned."

In summing up, this journal wants to say that this is the most unusual sale of poultry ever offered the public. First: Because every one of the 359 birds contained in Mr. Nofztger's breeding yards are offered to the public. Second: Because 168 of the 359 birds offered have been leading winners at America's greatest shows. Third: Because Mr. Nofztger, who is giving this sale, is the originator of the Partridge Rock fowl and the world's largest and best breeder. Fourth: Because he is offering to those who wish a start, an opportunity to secure a trio or pen of high quality breeders at a very low price, thus paving the way for a large number of new breeders of this popular fowl.

Such sales as this one are to be highly commended. They will go a long way toward a staple business and do away with the "get rich quick" idea, which so many of the breeders seem to have.

The F. L. Poultry Farm, R. F. D. No. 1, Verona, Pa., specialty breeders of Rhode Island Reds, are offering their this season's breeders for sale at bargain prices. They are breeders of both Rose and Single Comb Reds and their stock have been heavy winners at the leading shows, including Madison Square Gar-

den. Any one looking for bargains in choice breeders should not overlook this opportunity.

### CHICURE.

The King Remedy Co., of Rochester, N. Y., while young in business, have gained an enviable reputation as manufacturers of Chicure Poultry Remedies. The sterling quality of their products has rapidly created a large demand for their remedies, and from a small beginning they have expanded in leaps and bounds, occupying a large factory, which supplies Chicure Preparations to poultry breeders in all sections of the country. Their business is not confined to the eastern and

central states, as their representative states that a large share of their products is marketed west of the Rocky mountains.

Their phenomenal success speaks volumes for the quality of the remedies they manufacture, and demonstrates that the average poultry breeder is quick to see merit and take advantage of everything that tends to improve the business and aids in placing it on a more profitable basis.

It will be interesting to watch the progress of the King Remedy Co., whose members are practical poultry men, and who from all indications have placed on the market remedies that make good, and are receiving the stamp of approval from breeders in all parts of the country.

### Rhode Island Whites

A New favorite with a reason—At Chicago, Dec., 1912, in largest and best class of R.C. Rhode Island Whites ever seen, McCarthy's Peerless Strain made a clean sweep, winning 1st cock; 1st hen; 1st pullet; 1st pen; \$25 cup for best display and \$15 cup for best shape R. I. White. As every prominent breeder, both East and West, had his birds entered, it proves that the Peerless Strain is the best in the world. Send for our illustrated catalog and mating list. Carl D. McCarthy, Box Y, Kempton, Ind.

### HOUDANS

"WORTH WHILE" The greatest utility chicken on earth, Absolute non-sitters and lay big white eggs. I guarantee winners for any show. Stock, eggs and baby chicks. Write for mating list which is free. Mention A. P. J.

DR. G. G. BILLMAN Sullivan, Indiana

### S. C. W. LEGHORN EGGS AND CHICKS

That will develop into exhibition birds and heavy layers. Our Baby Chicks are the kind that live. I guarantee safe arrival of eggs and chicks. Write me.

N. V. FOGG

BOX R

MT. STERLING, KY

### THE WORLD'S BEST WYANDOTTES

SILVER, GOLDEN AND WHITE—Our mid-summer sacrifice sale is now on. We offer you 500 head of our grand birds out of our matings at prices you never heard of before, quality considered, including 100 immensely fine cock birds. We must make room for our 2,000 youngsters and need the room. Many grand winners among this offering. Bear in mind our Wyandottes have won more premiums at Madison Square Garden than any other breeder during past 21 years. Our birds have been line bred for 30 years and wonderful layers. Utility and exhibition quality combined. Eggs now at \$1.50 and \$2.50 per setting. Our mating list and large circular is free. Also Golden Seabrights. Mention American Poultry Journal when writing.

BROOKSIDE FARMS : : : IRA C. KELLER : : : BOX 75 : : : PROSPECT, OHIO

### Tompkins' Rhode Island Reds

#### BOTH COMBS

Better now than ever before. Hundreds of high-class breeding birds at reasonable prices. Write us before ordering elsewhere. Eggs from high class pens.

Concord Poultry Yards, Harold Tompkins, Prop., Concord, Mass.

### BABY CHICKS

Ten leading varieties, all free range stock. Get your orders in for June delivery on S. C. W. Leghorns and Anconas for next Winter's layers. We are now prepared to furnish six-weeks-old pullets in all of our varieties, write us today for prices. If you want something fancy with size, don't overlook us. Free catalogue. Mention American Poultry Journal.

Miami Poultry Yards, Jas. C. Cummins, Manager, R. 2, Trenton, Ohio



### ONLYA FARM WHITE WYANDOTTES

We now have for sale about one hundred hens and twenty-five cockerels and cock birds. We have priced these birds at from \$2.50 to \$5.00 apiece, at which prices they are big bargains, all of them we have used in our matings the past season, and anyone contemplating buying high class breeding stock at bargain prices will miss a great chance if they overlook this sale. All birds sent on approval.

Chas. Staaff, Mgr. : Florham Park, N. J.



## Rose Comb Reds

Winners at Chicago, Indianapolis, Louisville and Indiana State Fair. Eggs half price for the balance of the season. Sale of breeding stock at 40 per cent off regular prices. Mention A. P. J. when writing.

Longfield Poultry Farm : Box 321 : Bluffton, Indiana

## GOLDEN AND BUFF WYANDOTTES

Mated pairs, trios and pens from my best matings and stock for sale now at bargain prices. Eggs half price while the stock lasts. Mention American Poultry Journal.

J. S. PENNINGTON  BOX A  PLAINFIELD, ILLINOIS

## WARD'S CHAMPION DARK CORNISH

Ward sails for England via American Line August 1st to buy Cornish. Interested fanciers and breeders write for terms and prospectus of trip. John W. Ward, Jr., Box 7, Pennington, New Jersey

## BARRED PLYMOUTH ROCKS

Acme Strain—My annual sale of breeders commences June 1st. Quality and prices to suit. Descriptive circular for the asking. Acme Poultry Yard, C. A. Gifford, Proprietor, Rusk, Texas

## Rosemont Farm Single Comb Brown Leghorns

Originators of the "Queen of Missouri" strain, which has a prize-winning supremacy that is undisputed. Stock and Eggs. Mating list free.

ROSEMONT FARM, ELMER V. SHULTZ, PROP. BOX 500, WEBSTER GROVE, MO.

## WHITE ORPINGTONS ::: WHITE ROCKS

International champions. January, February and March chicks for early shows.

Highworth Poultry Yards Fred A. Andrewes, Proprietor London, Canada

## PARTRIDGE ROCKS

Erin strain. Breeding stock for sale in time for you to raise some good ones this season. Write

W. O. LYLE & SON GNADENHUTTEN, OHIO

## CAMPINES

Eggs half price. My booklet on Campines will interest you, you cannot go wrong at the prices, try a setting now.

Dr. J. H. Prudhomme, Desk P, Thurmont, Md.

## Poley's World's Best Buff Rocks

One hundred last season's breeders for sale at prices so that you can all afford to buy. Our birds are proven that they are the world's champions by winning more firsts at Madison Sq. Garden in seven years than all competitors combined. Mention American Poultry Journal when writing.

John W. Poley, Prop., Box A, Linfield, Pennsylvania

## If I Buy Baby Chicks Will They Mature Into Pullets Like These?



Will they grow into birds that I can feel proud of and that will lay Winter eggs in quantities, or win the blue ribbons for me, or will they be just scrubs that's the question before everyone who buys day-old chicks. It is not the first price that counts, but will they be right at maturity?

### Caldwell's White Plymouth Rock (Fishel Strain) "Baby Chicks of Quality"

#### From Utility Matings

Will mature into long backed, well made birds' pure white in color, that will be the secret of "Winter eggs." Every utility breeder is descended from known good layers that have been bred that way.

#### From Exhibition Matings

Will mature into blue ribbon winners. Every exhibition pen is made up of birds with good combs, of good type and chalk white in color, possessing the rich blood lines of generations of Fishel blue ribbon winners. Our birds were among the principal winners at the Indiana Fanciers' Show, Indianapolis, 1912.

#### A New Catalog Is Now Ready

One of the finest ever issued by any breeder. It tells just how "Baby Chicks of Quality" are produced and describes every grade of stock that we have to sell with prices. A copy is ready for you.

#### The Caldwell Selling Plan

Not only arranges for the man who orders in advance, but for the one in a hurry. Thousands of eggs are setting which will make possible

Delivery of any number on short notice.

R. C. Caldwell : Box 1021 : Lyndon, Ross County, Ohio

## SOME GOOD SALES.

The Monmouth Farms, of Freneau, N. J., the well-known breeders and exhibitors of S. C. Buff and White Leghorns, announce the sale of their first S. C. Buff Leghorn pen Madison Square Garden New York 1911 to J. R. Beard, of Greenwich, Conn. This pen is headed by Golden Boy 6th, one of the greatest living males of the day. Outside of that first pen 1912-13 New York. They believe this pen to be the finest pen ever shown and their opinion is shared by many exhibitors.

During the past month the Monmouth Farms have shipped three export orders, namely, 100 S. C. White Leghorn hens and 10 cocks to Brazil, 2 trios of White Leghorns to Venezuela and 5 exhibition White Leghorn cocks to Uruguay. This farm is in a position to fill all orders for Buff and White Leghorns, no matter how large or how small. Write for their catalogue and mention American Poultry Journal.

## LICENE KILLS THE LICE.

When other lice-killers fail, try Licene; it does the work every time. Send to the Licene Co., Pontiac Bldg. Chicago, Ill., 50c and they will send you enough Licene for 200 birds. Read this testimonial:

3854 Byron St., Chicago, Feb. 28, 1913.  
Gentlemen: After unsuccessfully using almost every known "lice killer," both in the powdered and liquid form, I bought a box of Licene at the Chicago Show last December. It has killed every louse and "nits" on my birds, and have saved at least 25 per cent in feed bills. Not a louse on my chickens now. Shall recommend Licene as the best and most scientific lice exterminator on the market.

Dr. R. H. McKenzie.

## FREE OFFER.

Radiatone is the name of a new and scientific remedy for poultry. It keeps chickens and hens well, and well hens lay. The manufacturers are so sure of this that they want to send a package FREE on trial, no results, no pay. See advertisement on another page. Address THE QUALITY DRUG STORES CO., KALAMAZOO, MICHIGAN.

## A FREE SAMPLE COPY.

Of the Reliable Poultry Journal, one of the most practical and helpful poultry papers published, will be mailed upon receipt of a postal card request.

A 4-months' trial subscription will cost you only ten cents. Stamps are acceptable. Address

Reliable Poultry Journal Pub. Co., Box E-13, Quincy, Ill.

Every raiser of fine poultry has been much interested in the constant endeavor of the poultry supply experts to invent a satisfactory leg band—one that can be simply and easily adjusted—and one that when once on they can be absolutely assured of its being there when needed. Mr. A. B. Moe, of Otis & Moe, Otis Bldg., Chicago, who is a practical poultry raiser himself and the inventor of the Moe's Top-Fill Fountains, has secured the patent rights on a simple self-locking metal band that he thinks solves the problem, as it can be adjusted readily with the fingers by simply pushing it together to lock, and when it is once on it is there to stay and can only be removed by destroying the band. These are now being manufactured in many sizes by Otis & Moe, Otis Bldg., Chicago. See their display advertisement elsewhere.

## MOUNT PLEASANT FARM S. C. W. LEGHORNS

### BRED-TO-LAY

1,000 breeders, \$1 each; pullets, ten weeks old, \$1 each; cockerels, ten weeks old, \$1 each. Safe delivery and satisfaction guaranteed. Send for our free booklet, "Modern Successful Poultry Farming."

Mount Pleasant Farm : Mount Pocono, Pa.



**Don't Be Fooled by Cheap Prices**  
but send to G. B. Smith & Son and get eggs to hatch from their big birds, that lay them big and a lot of them. 3 pens of each, Black and White Minorcas. G. B. SMITH & SON, Box 454, North Baltimore, Ohio

## Altamont Poultry Farm

Colfax, Iowa

Best White Orpingtons in Iowa. Best Catalogue

## SILVER WYANDOTTES

First prize winners. The sensational first prize cockerel at Cleveland heads best pen. Stock and eggs at right prices. R. D. OWEN, CRESTON, OHIO

## S. C. BLACK ORPINGTONS

12 years of successful breeding and exhibiting. Mating list on application.

Herrick Poultry Farm, Geo. H. Herrick, Prop., Bancroft, Mich

## WHITE WYANDOTTES

Have several very choice cockerels for sale.

W. S. COBB, UNION BANK BLDG., JACKSON, MICH.

"How to breed and feed Buff Dottes." Elegant and instructive Text book; only 20 cts.

**ROCKY RUN FARM**  
Box 50 :: Northfield, Ohio

## FOR THE VERY BEST IN COLUMBIAN AND SILVER WYANDOTTES, ADDRESS

J. F. VAN ALSTYNE, NIVERVILLE, NEW YORK

## SINGLE COMB REDS

A WONDERFUL FEMALE LINE

Have been working for years to improve the color in females, and now have a line that will produce a large percentage of very dark even red pullets that hold a good red even color as hens. My birds won at Philadelphia, New York, Altoona, Pittsburgh and Buffalo. I bred every female shown in 5 years. Mating list free.

ELIUS S. SHELLY, Box 2436, Williamsburg, Penna.

## Poultry Flats

A 64-page book that is a spellbinder for you. The new and easy way to raise poultry. Nothing like it elsewhere. This book is free with a years subscription to the Inland Poultry Journal, which is only fifty cents. Send today.

INLAND POULTRY JOURNAL  
21 CORD BUILDING :: INDIANAPOLIS, IND.

## White Leghorn Baby Chix

The kind that make poultry raising pay. Good, strong, healthy, growing day-old chicks. Safe arrival and entire satisfaction guaranteed. Bred and hatched on an up-to-date, well managed poultry plant, whose stock is a standard for good breeding and good health. Send for our catalogue.

Michigan Poultry Farm :- Lansing, Michigan

## GIANT SINGLE COMB BLACK MINORCAS

Quality eggs that will hatch, at utility prices. 25 hens for sale. Mem. Am. Black Minorca Club. Mating list.

John L. Brown, 2337 Brown St., Anderson, Ind

## COLORED LEG BANDS

Big Black Figures on White Background.

All colors, all sizes, for all fowls, and pigeons. Birds identified without handling. Saves time and labor. Very durable and practical. This is a modern 20th century band, everybody likes them. Baby chick bands, 18 colors, not numbered. Samples and catalog 2c stamp. Mention A. P. J.

A. P. Spiller : Dept. A : Beverly, Mass.

## DAY-OLD CHICKS

Healthy, vigorous, from heavy laying stock. Guaranteed satisfactory. Place orders NOW.

Hatching Eggs Breeding Stock

S. C. W. Leghorns. White and Barred Rocks. All eggs and stock GUARANTEED. Write for big new catalog: "Tywacana Quality."

It gives much information of value to poultrymen. It's FREE.

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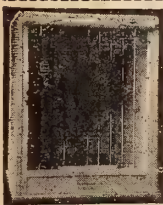
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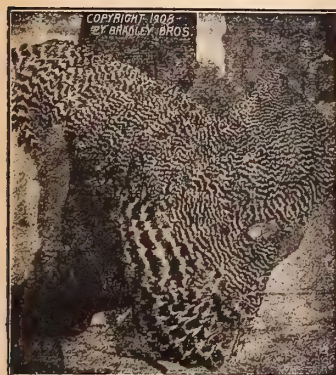
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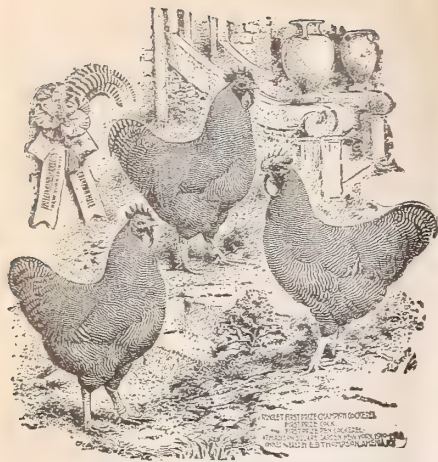
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CONCORD, MASS.



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First Prize Old Chicago Pen, 1912-13

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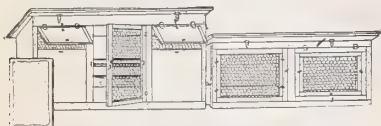
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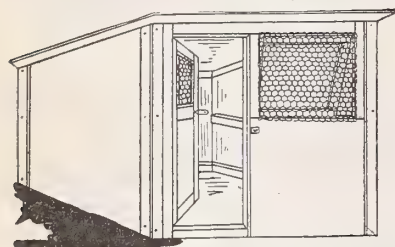


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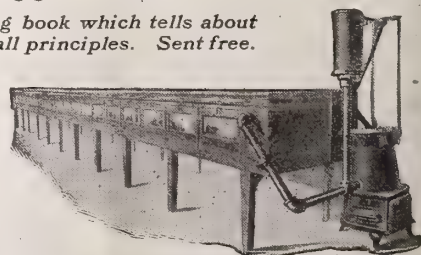
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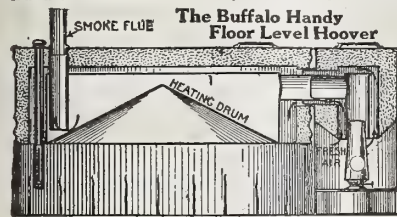




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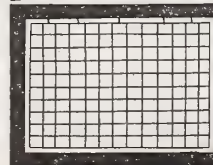
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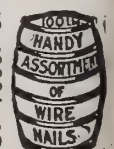
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2400	1 Day	1 Hour	3	Candee 10c a day, 6c for 390-oil machine	50% better
2400	20 Hours	2 Hours	5	Less for 2400 than 400-egg oil machine	Far ahead of any small machine
3000	2 Days	1 Hour	4	¼ as much as same oil capacity	Beats them all
3000	2 Days	1½ Hours	3	Much cheaper	10% better
3000	2 Days	1 Hour	5	Less	About the same
3000	2 Days	½ to 2 Hours	2	Oil costs twice as much	Larger number
3000	2 Days	35 Minutes	1	¼ as much fuel, one-tenth the time	Beats 'em all hollow
3600	15 Hours	2½ Hours	1	Don't want any more lamp machines	About 10% more
4200	Not given	1 Hour		Half the cost of oil	25% better
4200	2 Days	½ Hour	1	Same as one 400-egg oil machine	5 to 8% better
4800	2 Days	3 Hours	3	Very much less	10% better of all eggs set
6000	Not given	4 Hours	1	Much cheaper	Has them beat a mile
6000	Not given	3 Hours	3	Much cheaper	Better results
9000	3 Days	1 Hour	1	About ½	20% better
10200	4 Days	3 Hours	1	About half less	20% better

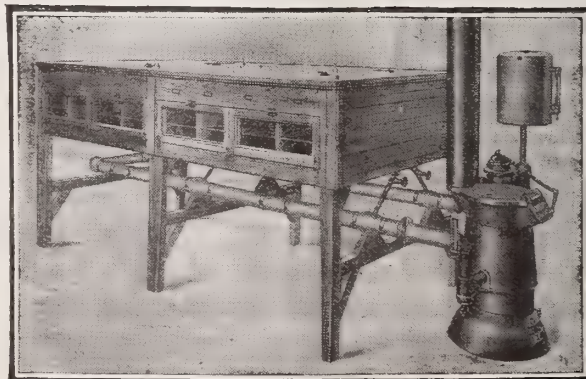
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# AMERICAN POULTRY JOURNAL

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## Egg Production in Fall and Winter

Increased Production From August to February, the Months of  
Greatest Scarcity.

By J. B. Morman, Kensington, Md.



THE OUTPUT of eggs is steadily growing. According to the report of the Secretary of Agriculture for 1912, the production of eggs on farms amounted to 1,700,000,000 dozen that year. But all farmers do not keep fowls, in fact, only about 89 per cent of them do so. There is great opportunity, therefore, for a large increase of eggs by the extension of poultry keeping to more of the farms in the United States alone.

But egg production may be increased by improving the laying qualities of the fowls. The census shows that the average yield of eggs per fowl on farms is only about six dozen a year. With good laying strains of fowls, however, an average yield of twelve dozen eggs per fowl is easily attainable, so that there is great room for improvement in this direction. In addition to egg production on farms, commercial poultry plants and large numbers of smaller poultry keepers are annually producing enormous quantities of eggs concerning which no data are available, since the Bureau of the Census reported the farm production of eggs only. Under all these possibilities of increasing the egg supply, it is evident that egg production is becoming a very valuable industry in the United States, and, according to the Secretary of Agriculture, has been steadily increasing in importance.

Notwithstanding the increase in egg production, the demand for eggs is growing even faster than the supply. This is probably due in part to the increasing price of meat. The decline in meat production is bound to give an added impulse and value to the poultry industry. Of this fact we can rest absolutely assured. There is a great prospect ahead for the progressive poultry keeper. The number of eggs used month by month in our large cities is almost beyond belief. Here are a few figures bearing on this subject which I quote from the current number of the Crop Reporter, issued in June by the U. S. Department of Agriculture. The number of cases of eggs, containing thirty dozen of eggs each, received in five leading cities in May, 1913, was as follows:

Cincinnati .....	123,000 cases
St. Louis .....	203,000 cases
Boston .....	389,000 cases
New York .....	710,000 cases
Chicago .....	863,000 cases

While the demand for eggs has steadily increased, there has been a gradual rise in the price of eggs during the past eight years, so that, under favorable conditions of production, there is every reason for believing that egg production on farms particularly, as well as on the commercial poultry plant, whether large or small, can be made a profitable business. The average prices of best fresh eggs per dozen in large wholesale lots at New York and St. Louis markets during the month of June for past three years were as follows:

	New York	St. Louis
June, 1911.....	18-25c	11-13c
June, 1912.....	21-27c	16-17c
June, 1913.....	23-25c	17-17c

### Seasonal Centers of Production.

As is well known, the supply of eggs varies with the season of the year, and the price of eggs varies with the supply. Though eggs are produced in every state of the Union, only Ohio, Indiana, Illinois, Iowa, Minnesota, Nebraska, Kansas, Missouri, Texas, Tennessee and Kentucky produce more eggs than are consumed within their own borders. Nor does this production of eggs cover the entire year, but only those months when climatic conditions are favorable to abundant laying. Fortunately, in addition to the general production of eggs throughout the country, there are seasonal centers of production which give a continuous supply of eggs practically the year around. Thus, in Tennessee and Kentucky, the chief laying season is from December to April; supplies from southern Ohio, Missouri, Texas and southern Kansas add their surplus eggs to the market in March and April; in the later spring northern Kansas, Iowa, Indiana, Illinois and the central states generally have their heavy season of egg production; and Minnesota and Michigan, with a still later season, help out the other chief producing states somewhat. The chief egg producing season, therefore, seems to range from December to June, when eggs are at their best and are most plentiful; and this is the season of the year when the surplus eggs are rushed to cold storage in order to meet the demand for fall and winter eggs. Investigations by the Department of Agriculture show that the output of fresh eggs at all times of the year is far from adequate to supply the country's demands.

It is plain, therefore, that the general period of scarcity of fresh eggs is in fall and winter, and the progressive farmer or poultry keeper will do a wise thing if he takes advantage of this growing opportunity and strives to meet the demand of the market during these months of the year when prices are at their best and the prospects of profit-making the greatest. The production of fresh eggs to supply the fall and winter trade of our cities has become a real problem well worthy of brief consideration at the present time. For it seems strange that, with the progress made in scientific poultry culture and the development of the art of artificial incubation, so much dependence has to be placed on cold storage eggs during so many months of the year. With the wide range of climate of our great country, and the great adaptability of the South for the fall and winter production of eggs, there should be no reason why a constant supply of strictly fresh eggs could not be furnished to the great egg market centers all the year around. The outlook of this side of poultry keeping is certainly as bright as any line of industry in which the American people are at present engaged.

### The Economics of Cold Storage.

The economic aim of those engaged in the production of poultry and their products is to supply the demand for consumption without recourse to artificial means of preservation. No matter how skillful are the means of preservation, more or less of deterioration in the product is bound to occur, and the longer the time the object is kept under these artificial conditions the greater is the deterioration. Investigations by our government have been made on the effects of the cold storage of eggs on the economics of the industry. These investigations have revealed the fact that the effect



on the quality of the eggs is bad, and that existing conditions are bad for farmer, poultryman, packer, merchant and consumer. The result of these investigations, together with a stricter demand for the enforcement of our pure food laws, makes it plain that the increase of the supply of fresh eggs in fall and winter will be almost imperative. The high price which fresh eggs bring at those seasons of the year is leading many up-to-date poultry keepers to specialize in this direction, and they are reaping rewards in increased profits. Many of the agricultural experiment stations are emphasizing this feature of the poultry industry and are particularly eager to have the farmers of our country take more kindly to poultry raising for egg production as a source of ready money income at a time of the year when farm work is not pressing and time hangs more or less heavy on their hands.

no matter how much effort is put forth to increase egg production from August to February, the months of greatest scarcity.

The results of the above outlined investigations into the egg supply problem make it plain that practical suggestions from poultrymen along this line ought to be of some value. There is no question, I think, that the question of providing a sufficiency of fresh eggs during the fall and winter months to meet the demand is not only a live problem but one of great importance to both producer and consumer.

#### Relation of Climate to Egg Production.

The production of eggs is widespread throughout the United States and Canada. The range of climate covered by these countries covers practically every phase between the frigid and torrid zones. A recent Department of Agriculture bulletin says regarding the relation of climate to egg production as follows:

"If one considers the number of months each year when climatic conditions preclude egg production almost entirely over nearly the whole of our great egg producing territory, it is plain that some provision for these months of scarcity must be made from the season of plenty, if eggs are to appear the year round on the tables of any except wealthy people."

While climate certainly does affect egg production to a certain extent, the science of poultry culture has a tendency to counteract the effects of climate by making egg production possible all the year round. There are certain things to be considered, such as the production of chicks so that they will mature early in the fall, systematic and scientific feeding to meet the conditions of climate, and a proper system of housing. With these conditions fulfilled, there is no reason why climate should preclude the possibility of profitable egg production during the fall and winter months: There is no



The principal months when eggs are put in cold storage are April, May and June, and about 80 per cent of the total of cold storage eggs are placed in warehouses during these months. Now, when are these eggs taken out for consumption? In the year 1909-10 the Department of Agriculture investigated the removal of eggs from storage at different times, and the results were as follows:

Eggs removed within 3 months after storage,	14.3%
Eggs removed within 4 months after storage,	22.6%
Eggs removed within 7 months after storage,	75.8%
Eggs removed within 10 months after storage,	99.9%

It is plain, therefore, that more than three-fourths of the eggs consumed during the fall and winter months which are taken out of cold storage are anywhere from 6 to 8 months old. There has been little or no improvement in the economics of the cold storage of eggs since these investigations were made, so that the figures may be regarded as applying to the present time. Under these circumstances it is no wonder that strictly fresh eggs are in such great demand during the fall and winter and that so many persons refuse to eat eggs during these months of the year. There is absolutely no danger that the increase in egg production in fall and winter will reduce the price below the level of profit-making, since the consumption of eggs would be greatly increased if their freshness is guaranteed. For this reason the demand for fresh eggs will probably more than keep pace with the supply,



biological reason why fowls should not lay in any climate if they have reached the egg-laying period; and this may be true in a climate as severe as western Canada, which has not been able to supply its egg demand for years, having to import eggs from the United States and even from China. If fowls are mature, are well fed, and are properly housed they ought to lay almost anywhere.

The agricultural experiment stations in Canada are working on this theory, that western Canada can supply its own egg demands all the year round. A recently Daily Consular and Trade Report says that attempts are being made to awaken the farmers to the prospects of successful egg pro-



duction even under their trying conditions of climate, and it adds this significant statement:

"The agricultural colleges in the West are now devoting much time to poultry raising, and lectures are included in the curriculum applying exclusively to the care and raising of poultry. At present there is quite a demand for high-class stock suitable for this climate, and a great many birds are annually imported from the United States, as the American line, which includes all the Plymouth Rock breeds, as well as the Rhode Island Reds, are pronounced the best suited for western Canada. It has been urged, because of the severe winters of western Canada, that poultry would not do well; and this may be, in large measure, the reason for the high prices which obtain for fresh eggs. There are farmers, however, who maintain large poultry farms and by careful feeding and handling are able to make a large profit upon the investment."

The severe climate of western Canada, therefore, does not preclude the possibility of profitable poultry keeping, for certain hardy breeds are not only in great demand but do well there. In our own country, the Maine Experiment Sta-

laying period. Different breeds of fowls do not all begin laying at the same time. Leghorns and related breeds lay anywhere from six to eight weeks sooner than do the heavier breeds, such as the Plymouth Rocks, Wyandottes and Rhode Island Reds.

Fowls are variable both as to the time of beginning to lay and in egg-laying capacity. Pullets which begin to lay a little earlier than the run of pullets for that particular breed, especially if they show a tendency to become prolific layers, are undoubtedly the fowls which should be selected for laying the basis of better hens. Experiments by the Maine Experiment Station for ten years with their highest layers did not, however, result in an increase in egg production in fall and winter. There were two reasons for this. First, the best laying pullets were descendants of fowls all of which had already laid 200 or more eggs each in their pullet year; and, secondly, winter laying is not an inheritable character but depends more upon the age of the pullet and the care it receives than anything else. As a rule, when a pullet reaches the age of maturity for egg production she will lay, no matter what climatic conditions prevail. The crucial test for the fall and winter production of eggs is to have pullets the proper age to come into laying, the poultryman doing the rest by seeing that his fowls are well housed, fed and managed.

Another practical question relating to the fall and winter production of eggs is whether to keep hens or pullets. This is a subject recently being given attention by our experiment stations and farmers' institute workers. In this connection I will briefly give a chapter from my own experience.

During the past two winters I have kept the data carefully from my own flock as to the superiority of pullets over hens for the winter production of eggs, with the following results, taking the months of December, January and February as the winter months:

#### Winter 1911-12.

32 pullets laid in three months.....1,130 eggs  
20 hens laid in three months..... 298 eggs

#### Winter 1912-13.

27 pullets laid in three months.....1,190 eggs  
26 hens laid in three months..... 549 eggs

In both years the hens were practically all the preceding year's pullets which had made a good record in egg production. Notwithstanding the fact that during the first winter all the pullets were not laying in December, they laid nearly three times as many eggs as the hens when the number of hens and pullets are reduced to the same ratio; and in the second winter, with practically the same number of hens and pullets, the latter laid almost double the number of eggs during the winter. Taking the results for the two winters, it is evident that pullets are capable of producing from two to three times as many eggs as hens.

But now let us consider what we may well call the seasonal production of eggs, dividing the years off into three months' periods, and the results in egg production were as follows:

	Eggs laid
1910-11—March, April, May.....	2,148
June, July, August.....	1,262
September, October, November.....	773
December, and January, February, 1911.	1,345
1911-12—March, April, May.....	2,277
June, July, August.....	1,434
September, October, November.....	686
December, and January, February, 1912.	1,428
1912-13—March, April, May.....	2,711
June, July, August.....	1,983
September, October, November.....	967
December, and January, February, 1913.	1,739

These figures show plainly enough that, so far as my experience has gone during these three years, the problem of the seasonal production of eggs has been shifted from the winter to the fall. In fact, the egg yields in winter compare very favorably with the other seasons, and even surpass or nearly equal the yields for the months of June, July and August. The great problem with me, as it undoubtedly is with many other poultry keepers, is to produce a sufficient number of eggs during the fall season, embracing the months of September, October and November. The figures show, however, quite a gain during last fall, due, in my judgment, to the effect of breeding from early and prolific layers, which gave me a greatly increased egg yield in 1912. I still believe that the problem of the fall production of eggs can be solved by extra early hatching of chicks, giving them good care and providing for their comfort during the hot months of summer. Since I use only hens for incubation, the advantage of artificial incubation of chicks for the fall production of eggs becomes apparent. Proper climatic conditions, such



tion has done excellent work in breeding a line of fowls to stand severe climate and produce eggs during the fall and winter months. While the conditions of climate, then, can be met by scientific poultry keeping, so egg production is possible during the severest months of the year.

#### The Practice of Scientific Principles.

The outcome of recent investigations along various lines relating to egg production in fall and winter seems to rest mainly on the carrying out of certain practical and scientific principles. If properly carried out, these principles will undoubtedly result in increasing egg production in fall and winter under almost any climatic conditions. Among other things, they include a knowledge of the laying periods of different breeds, the keeping of pullets rather than hens for eggs, and the proper feeding and housing of fowls to meet the conditions of climate. In regions where climate is not severe, with our present methods of artificial incubation whereby we can regulate the production of chicks so that they will mature at the time of year desired for egg production, a steady supply of strictly fresh eggs is possible all the year round. Any live farmer or poultry keeper can readily put these principles to the test.

One of the first things is to know the biology of a breed's



as prevail in a large part of the South, together with early artificial incubation of chicks, there should be no longer any egg problem for any month or season of the year. By hatching sufficiently early and breeding from vigorous stock, fowls should be produced which as layers should offset any climatic conditions either in the United States or in Canada.

There are a few other points regarding the care of fowls which must be considered with reference to egg production. Houses should be built to keep out rain, snow and wind; a

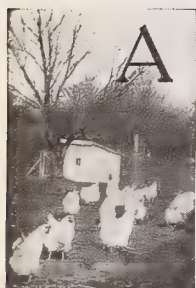
dry dust bath, good scratching pens, thorough and systematic feeding, and plenty of fresh water are also essential for maintaining the health of the fowls and affording a bountiful production of eggs.

These are the practical and scientific principles controlling the egg supply, and it is clear that they may readily be applied by many farmers and poultry keepers. If carried out, they insure profits at all seasons of the year, which I affirm from many years of practical experience.

# Laws of Heredity and Other Matters

Outcrossing is Necessary to Preserve Valuable Features of New Race---  
Inbreeding is Always Detrimental

By H. H. Stoddard, Riviera, Texas



RECENT WRITER who enlarges on what he considers beneficial results of close breeding in certain cases, says:

"The fact that self-division is the first form of reproduction and that self-fertilization is the law in both the vegetable and the animal kingdom until a high stage of development through variation is reached and sex becomes necessary as a check on variation shows that inbreeding is not in itself detrimental."

Sex necessary as a "check on variation"! One would think that variation is an evil from which riddance was of an importance warranting a complete physiological transformation of a race. And, lo and behold! After achieving sex through stupendous efforts, variation remains after all, and is stronger than ever. Which tends the most toward variation, a series that runs back for thousands of generations, inheriting only its own line, as in case of self-fertilization, or a series that in a single outcross annexes another line of equal antiquity comprising an additional ancestry of thousands of generations?

Writers on heredity have shown how, going back through one hundred generations or less, a particular person becomes related to all the individuals in an entire nation. Today we may say that every Englishman has the blood of William the Conqueror, Alfred the Great, Mary Queen of Scots, and the whole crowd of their compeers, in his veins, as also the blood of every white slave of Britain with an iron collar riveted around his neck inscribed with his owner's name. This is mathematically certain.

Individuals vary as to the proportions of the gentry blood they possess, owing to the practice of generally marrying within their class, but the occasional exceptions to this practice make the certainty that every modern Englishman has both the noble and ignoble tides of blood commingled in his veins.

The same is, of course, true with the modern Frenchman or German or member of any other nationality in regard to their respective ancestries. It follows that just one marriage, supposing, for instance, the parties to be English and German respectively, may join the influence of the remote ancestry of two great nations and give every individual of the entire multitude of each heredity power in determining character of children of the union, and thus cause variation.

Yet according to the author cited the change from self-fertilization to crossing checked variation instead of promoting it!

Our writer in another matter seems to betray a lack of appreciation of the whole meaning and spirit of evolution where he says: "Inbreeding is not in itself detrimental." For fifty years I have contended that, absolutely, it always is. Going from pure air into fumes of poison in laboratory or shop is "in itself" always "detrimental," whether bad effects are immediately visible or not, for the good effects of pure air are cut off; and inbreeding is in itself always detrimental, because the intrinsic beneficent effects of outcrossings are cut off.

Let us follow up our author's argument. Behold a series of steps and stages in the gradual building of an animal species through long ages, each stage an improvement on its antecedent. What a curious remark when it is said that one of the imperfect stages is "not detrimental." True that as a stepping stone every stage once had its uses and was in its day necessary, however rough, uncouth and misshapen the stone. But to say that resorting to rough blocks in constructing the later parts of a polished structure would not be detrimental because such were once used exclusively is

rank nonsense. The tail of the tadpole was once used exclusively for locomotion, but in time legs were better.

In finding out whether self-fertilization or any form of close breeding is as high in rank as outcrossing is, the fact that although once useful because circumstances admitted nothing else, the incest feature was repudiated and dropped like a hot potato at the earliest period possible, this very fact of itself proclaims its inferiority, and there are other ways of proving its low rank. For instance, nature retained self-fertilization in a certain plant because the construction of the reproductive parts had been so long entangled with the make-up of the whole structure that self-fertilization had to continue; still, in order to prevent running down and running out of species, nature curiously, ingeniously and perseveringly provided for occasional outcrosses to open up the stores of vitality of new multitudes of ancestors to be drawn on. Well, now, in such a case the botanical biologist and experimenter who artificially stops the outcrossing and allows none but self-fertilization, finds a marked deterioration as a result, in a few generations.

The advocate of close breeding must be hard up for ammunition to resort to something that nature has been trying, through geological ages and aeons to get rid of, in favor of something better, and to claim that because the practice was once followed it is now "not detrimental." There are some animals now confined exclusively to dry land which have rudimentary gills, showing that their remote ancestors lived under water. The land dwellers are vastly superior to their distant ancestry, and how absurd it would be to claim that the water dweller's way of breathing would not be detrimental to their descendants.

This author believes that close breeding is "not detrimental" because practiced for ages. His utterances sometimes seem to imply that everything nature has done is good, instead of her works displaying a stupendous mass of imperfections, as is really the case. By this I mean imperfections as compared with later stages of evolution.

The monsters of past geological ages were often uncouth, clumsy, not perfectly adapted to their environment, and physiologically not of an economical structure. The uncouth camel, a survivor of remote ages and only slightly modified since, is an example of the clumsy build of the animals of geologic periods. There was not apparently one ancient animal shaped with the graceful lines and economical build of frame, muscle and nerve of the modern deer, antelope, leopard, or the whole of the modern animal types.

Now, how meaningless would the assertion be that the ungainly geologic forms were "not detrimental" as compared to the more lithe, powerful and economically built modern forms. You might as well say that in the stone age tools and weapons of flint were "not detrimental" when compared with those made of steel. Man used flint for a period of millions of years longer than he has used steel and iron, and for a still longer period his ancestry had no tools but nails or claws, and for a period longer yet had not even these. True it is that in their day, to these numberless billions of beings, flints and clubs and claws were "not detrimental." They just had to have them. Same as the ungainly monsters mentioned had to have their uncouth shape. The principle of fatality necessitated it, for everything that occurs is the fruit of previous occurrences. But the very fact that humanity evolved from the stone age to the steel age in itself proves the latter. And if today an advocate of tools of flint should say that steel users should once in a while take a day off and work with flint tools only, because the fact that they were once used proved that they were "not detrimental," he would be no less reasonable than the writer who proclaims that close breeding once in a while is "not detrimental" because nature permitted it.



ages ago, in the form of self-fertilization, when she had nothing better and by absolute necessity could not have had anything better.

There are some instances where a few doses of the poison of incest have apparently been tolerated by nature when a new and valuable race of domestic animals is made up. But such races are fewer than is popularly thought, and in every instance where they occur, examination proves more in favor of outcrossing than in favor of inbreeding, since in just such cases are revealed some of the grandest results of out-crossing, for in order that an individual could be found strong enough (and sufficiently well balanced, and stored with vitality capable of being transmitted) to be used in the perilous experiment of inbreeding, there had to be in the production of this eminent individual a series of fortunate outcrosses.

Outcrossing and selection (natural or artificial) produced such prodigies as were used at the start, in the few successful instances of inbreeding, to found a new domestic race of animals. Nothing else ever did or ever will. Furthermore, outcrossing and selection soon have to be resorted to in order to preserve the valuable features of the new race.

There is a widespread delusion that inbreeding in itself promotes improvement, that good traits are made still better by it. But inbreeding per se has no power to create any improvement. It can only hold for a while benefits produced by outcrossing and selection. On the other hand, outcrossing per se has power to make improvement, for it at once annexes an additional ancestry as numerous as the drops of the ocean, giving heredity an additional stock of material to draw on.

#### Diversified Farming.

The very able State Commissioner of Agriculture of Texas, who is doing a vast amount of good for farmers, delivered an address in Neufeces county on the advantage of diversified farming. He said, in substance:

"Think of everything used in your families for which you pay money, and then go to work and if possible raise as much of that particular thing as your family can use. Then select one thing to be raised as a money crop." My seat-mate whispered, "Bad doctrine, right up against modern progress." "Yes," I replied; "it is good in a limited way, but easily overdone."

Somebody was talking of the advisability of several sources of income as to not carry all the eggs in one basket, whereupon Carnegie said: "Put 'em all in one basket and then watch the basket." A writer held that the breeder of utility fowls should select for exhibition qualities too, but Mr. Ellis, of Aurora fame, retorted to the effect: "Every minute of my time and every bit of my thinking power are needed on the utility proposition. The exhibition department is a world by itself and needs all a man's abilities to attend to it properly. Every mite of attention I should be giving it would rob utility just that much."

I observed some years ago the doings at the celery gardens in Nebraska, on islands in the Platte river. The growers made celery their sole business. One was telling how fond his folks were of strawberries and how big his bills were for that luxury, when a hearer pointed out how the speaker could grow them on the higher lands of the island not wet enough for celery. "Oh, no," was the reply; "I can get my strawberries faster and cheaper in the celery field."

Over and over again I see people here with the diversification bee in their bonnets working at a great disadvantage putting at a dozen things that should be let severely alone. Raise a few pigs so as not to buy bacon? Oh, yes, you can do it. The pen must be at quite a distance from the house, for obvious reasons, and in tending a few festive swine you take just about ten-fold the time the regular hog raiser takes, and he does the job better, having studied a lot of things about hogs you never will know. You putter at raising a calf to be killed and partly eaten at home and the remainder peddled out among the neighbors. Everything is done at a disadvantage compared with the regular butcher work. And so with other matters. Whatever the farmer's regular crop or particular branch of stock raising is, he needs every particle of time and study on that to do it well, and side lines spell hindrance and loss. This is not the age of diversification of labor. That was a hundred years ago. Much water has run under the bridge since.

A great fever for diversified farming is this year raging over portions of the truck regions of the Southwest. Again the suggestion, "Mistaken souls who dream of heaven." They are to take up strawberries, Jersey cows, hogs and poultry. There are some other things, too, but the four mentioned are the sheet anchors contemplated.

Well, strawberries can be grown, especially if raised under cotton cloth like shade-grown tobacco, but Matagorda county

and some other counties are the natural home of strawberries, and at such localities they should be grown.

As for Jersey cows, the farms being mostly twenty acres, but few cows can be kept, and these mostly by soiling and the silo.

The outfit of team, wagon, mower and rake and shed for some, must be the same as in the case of a regular dairy. The silo implies a special machine for harvesting the crop and another for cutting it, or if the itinerant plant of one man going the rounds with a traction cutter is followed, there are obvious drawbacks. The separator and the hauling of cream to the railroad cost about the same as for a larger dairy.

A great advantage, if the party has five hundred or more laying fowls, is that the "buzzed milk" can be given them, and one of the disadvantages is that only a few people can manage even a small dairy well.

When it comes to the utility poultry proposition it will most certainly be worked out at a disadvantage in ever so many ways. The eggs will in very few instances bring high prices. The farmers often have a good range for their fowls, a very important advantage, and this is the only good thing to be said about farm poultry keeping, for, considering its relation to an extremely important article of food, it is the most deplorable and outrageous department of industry in the United States. What would be said of producing meat, butter, wool, fruit, grain, garden truck or anything under the sun with the disqualification that, broadly speaking, a great army of producers should be irrevocably sentenced to produce only a third-rate article and receive a third-rate price? Yet this is the fix exactly that the great bulk of farm eggs are in, and there they will be next year, and one hundred years from now.

It makes me tired to hear the everlasting glorification of "farm poultry." True enough it is that a grasshopper forage for nothing is sometimes a set-off against a poor grade of eggs at a beggarly price, but who under heaven can get up much enthusiasm in advocating production of a miserable grade of food?

Of course, associative or communistic candling and shipping may palliate the despicable branch of the business somewhat, but even then no goods under associative auspices will ever reach the highest quality. The longer I study the clubbing business for farmers, the more I am impressed with the difficulties of carrying it out effectively. The travel involved in reaching headquarters over wide territory is a squandering of labor, and the exposure to heat and jar is inevitable. A strictly poultry community, the egg farms adjoining continuously, is much better than scattered farms for associative methods, but even such auspices cannot compare with the large independent egg farm, the producer and the consumer face to face and the personal element governing. Class 1, as described elsewhere in this issue, is the highest type of egg production and will remain so while grass grows and water runs.

#### "Mongrels."

The following paragraph is now going the rounds of the agricultural papers, and many a reader stiffens his spine and becomes stuck on himself as knowing something now:

In 1906 the West Virginia Experiment Station made a series of experiments that tell a tale worth remembering. Fifty White Leghorns were compared with 50 mongrels for one year as to cost of food and egg production, ordinary care and attention being given them, such as they would receive on the average farm. In addition to skim milk used to moisten the mash, the Leghorns consumed 61 pounds of food, costing 85.3 cents, and the mongrels consumed 66.8 pounds of the same material, costing 92.1 cents. During the year the Leghorns average 116.5 eggs, worth \$2.24 per hen, and the mongrels 96.1 eggs, worth \$1.78 per hen. The Leghorns gave a profit over the cost of food of \$1.39 per head, and the mongrels a profit of 86 cents. The Leghorns gained in weight one pound per head more than the mongrels. The highest prices for fresh eggs usually prevail during the months of November, December, January and February. During these four months the mongrels laid only 364 eggs and the Leghorns 1,029, or practically three times as many."

The above is a good sample of the wise things that unsophisticated readers tie to because they are found in their farm papers.

One trial of the sort proves nothing. But on the hint conveyed people will rush to buy stock and pay big prices for anything and everything, so long as it is "pure bred."

By trying another lot of Leghorns, 150 or more eggs per head might have been secured, and a different flock of mongrels would possibly have yielded only 80 eggs apiece, or less.

There are, say, 997 sorts of Leghorns in the country as



regards laying qualities, and, say, 978 kinds of mongrels. More depends on strain than on breed.

We know of no well-guarded, scientific, thorough experiments ever yet made that determined the average laying powers of mongrel fowls compared with pure breeds, or of various pure breeds compared with each other.

"Mongrel" means "not pure." Mongrel fowls generally nowadays have blood of one or more pure breeds in their make-up. The matings may have been so diverse as to lead to a very scraggly, long-legged mixture. On the other hand, the outcrossing sometimes produces some of the best utility birds that ever stood on two legs; vigorous, symmetrical, and yielding eggs high up in hatch ability and immunity from such diseases as may be passing around the neighborhood.

The trouble with mongrel stock is that nine times out of ten no selection of breeding birds is practiced, and good and

bad having been bred from indiscriminately, there are generally many weedy looking specimens.

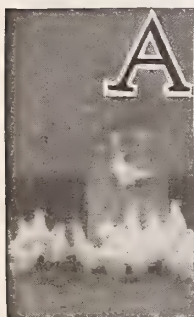
The remark applies to pure bred stock also. You can go to many and many a farm where the old mongrel fowls have been cleaned out, yet the absolutely "pure" birds found there are good for nothing, either for exhibition or utility.

Also, you can find farms (provided you search long enough) where there are mongrels that excel average pure breeds, because bred for years by selection of the best.

The word mongrel should not necessarily convey reproach; for quite a number of the so-called pure breeds such as the Rhode Island Reds, Plymouth Rocks, Wyandottes and so on are really mongrels. Neither should the term pure bred be held to necessarily mean superlatively fine, for again and again there are found pure strains completely "run to seed" and utterly incapable of earning their keep.

## National Egg-Laying Contest for June

Pens Nearly All Filled for Next Contest, to Begin Dec. 1st—American Hens Hold the Highest Individual Record to Date—An English Pen Still Leads by 259 Eggs



AT LEAST three American hens and three British hens are in a close race to be the first to reach the 200-egg mark in the first eight months of the National Egg-Laying Contest at Mountain Grove, Mo. An American hen only has ten eggs to lay in fifteen days to make a record of 200 eggs in eight months. All these hens have made a better record so far than Lady Showyou had made at this time last year. The leading pen record thus far this year is about 200 eggs ahead of the leading pen record at this time last year. The English pen of S. C. White Leghorns is 259 eggs in the lead of its nearest competitor. Two of the

hens in this pen did not lay an egg in June, and if this continues some of the other pens may yet easily overtake them.

June is a scorcher in Missouri. Several deaths were reported in different sections of the state as a result of the heat. It was, of course, also hard on the hens. We had 133 broody contest hens in broody coops at one time this month. Thirty-eight were put up one day and twenty-five another, and such a large per cent being broody at once cut down our egg yield for June. Other contests which had nearly 50 per cent of their pens composed of Leghorns had less broody hens, of course, and made a little higher average for June than we did. Our total yield for June was over 10,411 eggs, and the grand total to date is 70,386 eggs. The Leghorns in the North American contest at Storrs, Conn., had made about the same average up to June 1 as had the Leghorns in the Missouri contest. The larger breeds in Missouri had made little higher averages than the same breeds in Connecticut, as a rule. At the present time the records are very nearly the same, on the average.

The twelve highest pen records to July 1, being the record of ten hens or pullets for the previous seven months and a half, are as follows:

Pen No. 2—S. C. White Leghorns (England).....	1,529 eggs
Pen No. 19—Silver Wyandotte (Iowa).....	1,270 eggs
Pen No. 57—Black Langshan (Missouri).....	1,248 eggs
Pen No. 20—White Wyandotte (Arkansas).....	1,222 eggs
Pen No. 30—Buff Wyandotte (Vermont).....	1,212 eggs
Pen No. 33—Barred Rocks (Illinois).....	1,192 eggs
Pen No. 11—Black Minorcas (Iowa).....	1,190 eggs
Pen No. 26—Buff Wyandotte (Missouri).....	1,192 eggs
Pen No. 8—S. C. White Leghorns (California)....	1,185 eggs
Pen No. 23—Silver Wyandotte (Illinois).....	1,182 eggs
Pen No. 59—Black Minorcas (Missouri).....	1,177 eggs
Pen No. 9—S. C. Brown Leghorns (Missouri)....	1,180 eggs

A thing which is worthy of our consideration is the fact that pen No. 11, Black Minorcas from Iowa, is a pen which was entered in the last year's contest and made a very poor record. The owner was not discouraged and entered the same hens again this year. More than half of them are two-year-old hens and they were among the leading pens last month, and tied a pen of Anconas from Missouri for the silver cup for June, each pen laying 212 eggs. A pen of White Leghorns from California also went into the ranks of the first twelve pens and others moved up the list, as will be seen by comparing last month's report and this. The hens and pens which continue to lay a reasonable number of eggs during the hot weather are going to be the hens and pens which win.

The twelve highest pen records for June are as follows:	
Pen No. 1—Anconas (Missouri).....	212 eggs
Pen No. 11—Black Minorcas (Iowa).....	212 eggs
Pen No. 10—R. C. White Leghorns (Missouri).....	210 eggs
Pen No. 17—Black Minorcas (New York).....	199 eggs
Pen No. 8—S. C. White Leghorns (California)....	196 eggs
Pen No. 18—S. C. Buff Leghorns (Missouri).....	194 eggs
Pen No. 2—S. C. White Leghorns (England).....	191 eggs
Pen No. 26—Buff Wyandottes (Missouri).....	184 eggs
Pen No. 5—Black Minorcas (Missouri).....	181 eggs
Pen No. 20—White Wyandottes (Arkansas).....	178 eggs
Pen No. 7—Anconas (Oregon).....	178 eggs
Pen No. 14—S. C. White Leghorns (Pennsylvania)...	176 eggs

The twelve highest individual records made thus far are as follows:

Hen No. 860—Buff Wyandotte (Vermont).....	190 eggs
Hen No. 66—S. C. White Leghorn (England).....	187 eggs
Hen No. 100—Buff Wyandotte (Missouri).....	184 eggs
Hen No. 62—S. C. White Leghorn (England).....	179 eggs
Hen No. 61—S. C. White Leghorn (England).....	178 eggs
Hen No. 65—S. C. White Leghorn (England).....	175 eggs
Hen No. 735—Black Langshan (Missouri).....	171 eggs
Hen No. 67—S. C. White Leghorn (England).....	167 eggs
Hen No. 516—Buff Wyandotte (Missouri).....	165 eggs
Hen No. 55—R. C. White Leghorn (Missouri).....	165 eggs
Hen No. 77—Ancona (Missouri).....	164 eggs
Hen No. 72—Ancona (Missouri).....	162 eggs

### Entries Coming In for Third Contest.

About two-thirds of the pens for the third annual contest, which begins December 1, have already been entered. This promises to be the greatest laying contest ever held in this or any other country. We have promises of pens from the United States, Canada, England and Australia. Our rules are liberal, the premiums large, the entry fee small, and the contest will be held under the auspices of a state institution—the Missouri State Poultry Experiment Station. No breeder's name need appear on the pen or in the reports unless he wants it to appear. The best breeders in Missouri and America should have a pen trap-vested and have their stock pedigreed. You will have to hurry, as we can only accommodate sixty pens. We will also try out ducks again in the next contest.

The pen which has feed of all kinds before it where the hens can help themselves dropped from first place last month to sixth place this month. They made a good record all during the winter and spring, and surpassed all other pens. This would indicate that hens may do well where fed this way in winter, but it is not a good method of feeding hens in hot weather. The pen which gets nothing but corn, wheat and ground oats and nothing to drink but buttermilk has now passed to first place.

### Pen No. 67 Fed by Automatic Feeders.

This pen gets exactly the same feed and treatment that our regular contest pens receive. The only difference is that the grain is fed night and morning by hand to the pens in the contest, and this pen in the feeding test supply themselves with grain by working it out of an automatic feeder and exerciser. This pen is in second place, and this would indicate that this is not a bad method. The Connecticut contest uses these same feeders exclusively in their contest and no grain is hand-fed. This method may prove to be a great labor-saver.



# Womans Success With Poultry

Helen T. Woods, Editor

A Department for the Exchange of Helpful Poultry Experiences



## OPEN FRONT HOUSES FOR CALIFORNIA

By John Y. Beaty, Santa Rosa, Cal.



IT SEEMS STRANGE that in this land of sunshine so few open-front houses are used. The average poultry raiser uses a small house with little ventilation.

There are a few, however, who are progressive in their housing ideas and who have attained splendid success with the open-front type. Notable among these is Mrs. A. I. Cruzon, of Sonoma county—a woman of sixty, who attends to the work herself on a ranch carrying nearly a thousand layers.

Mrs. Cruzon's success is probably not due entirely to the use of the open-front house, but the open-front house has done for her what it has done for so many other raisers that have used it—it has kept her flock vigorous and in perfect health. And when a flock is vigorous and in perfect health it is almost sure to be a profitable flock.

The front of the Cruzon house is entirely open except for three feet up from the ground. This boarding is used to avoid drafts on the fowls while they are scratching in the litter. The house is 100 feet long and is divided into three compartments—two for the birds, and one for the feed.

The roosts are arranged along the side opposite from the open front, and the dropping boards are so arranged that they may be cleaned by use of a litter carrier. The track is attached to the front of the dropping board, and on this the car is run. In cleaning, a big hoe is used, and all that is done is to scrape the droppings over the edge. When the car is filled, it is run out of one end of the house and its contents dumped onto a stone boat, which is used for hauling the manure onto the fields.

The picture shows the arrangement for watering used in



California Open-front House patterned after the style used in the East

Mrs. Cruzon's house. The water trough is a section of eave-spouting like that used on houses. This is attached just outside of the wall, and slats are put in front of it. The chickens reach from the inside through these slats to get their drink. The water drips into these troughs from a small cock continually. Water is supplied from an elevated tank that is filled by a gasoline engine.

The houses on the ranch of Grant Helman, of the Petaluma poultry district, are patterned after the open-front houses in the East. The building is one big scratching shed, and at the back the roosting chamber is arranged so that it may be inclosed entirely on cold nights. But we don't have cold

nights in California, at least not cold enough to require closing the front of the roosting compartment.

The self-feeders are on the ends of the houses and the nest boxes are under the dropping boards. These houses face the south—contrary to the common custom in California. All of our severe storms come from the south, and so the average man has faced his house to the north to avoid these. Mr. Helman has observed, however, that for every week of storm there are ten weeks of sunshine, and he wants the sunshine together with the fresh air for his fowls. He has protected against the storms by a hood on the front of the roof. This has been effective.

So enthusiastic is Mr. Helman over the open-front houses



Open-front House showing arrangement for watering, used by Mrs. A. J. Cruzon, a California woman poultry raiser

that he has stated that he could raise better chickens and produce more eggs with his eyes shut if he had an open-front house than he could with the best of care in a closed house.

California needs more open-front houses. Closed houses are certainly unnecessary in our climate, and when you shut your chickens up in a small building, with little or no ventilation, you are reducing their vigor and lessening the possibility of a good egg yield.

## THE MIGHTY AND DEADLY MITE

*Dermanyssus Galinæ*, the scientists call him, but to us he is just the "pesky red mite." He is red, by the way, only when he is full of blood. The rest of the time he is gray with black spots.

### Facts and Rules Which You Should Observe.

1. Red mites multiply most readily during warm weather and in dark, damp, filthy houses.
2. Avoid all the hiding places possible. Change nest material often. Don't allow any decayed or broken eggs to remain in the nests.
3. When a house is once infested, very thorough treatment is required in order to get rid of them.
4. Any one of three methods may be used: (a) white-washing and painting with kerosene and crude carbolic acid; (b) fumigating with sulphur and painting with cresol emulsion; (c) spraying with lime-sulphur solution.
5. To prevent mites, keep the house clean and paint the roosts and interior of nests every two weeks with kerosene and crude carbolic acid. Remember that there is no reasonable excuse for a house being infested with mites. If the house is kept clean, sanitary and properly sprayed they will never appear. A "mitey" hen house is always a sign of a careless poultryman. Resolve today never to let that sign be found on your premises.—T. E. Quisenberry.



# EDITORIAL

## WE LEAD OTHERS FOLLOW

60,000 A. P. J.'s FOR AUGUST, 1913.

State of Illinois, County of Cook, ss.:  
G. M. Atwell, president of the Atwell  
Printing House, Chicago, being duly  
sworn, certifies that the American Poultry  
Journal has contracted for printing  
and binding sixty thousand copies of  
the August, 1913, issue.

G. M. ATWELL,  
Subscribed and sworn to before me this  
17th day of July, 1913.

(Seal) HENRY G. EISERT,  
Notary Public.

### OUR GUARANTEE.

We guarantee our subscribers against  
loss due to fraudulent misrepresentation  
in any display advertisement appearing in  
the American Poultry Journal, providing  
the subscriber when ordering the fowls  
or merchandise states that the advertise-  
ment was seen in the American Poultry  
Journal, and places the order during the  
month or months in which the ad is in-  
serted in our columns and notifies us  
of the fraudulent misrepresentation of the  
advertiser, giving full particulars, as soon  
as it occurs.

### Our New "Year Book for 1913"

We take pleasure in announcing to our  
readers that the "American Poultry Jour-  
nal Year Book for 1913" is having a  
large sale and we are receiving by almost  
every mail complimentary letters prasing the  
book that are very pleasing to us.

This is the first attempt to publish a book  
of this character in this country devoted  
exclusively to poultry culture and we spared  
no expense in trying to make it a worthy  
representative of our great billion dollar  
poultry industry.

On the back inside cover of this month's  
Journal will be found an interesting adver-  
tisement regarding the "Year Book," which  
tells how this great big book may be ob-  
tained absolutely free with express charges  
prepaid. We would like to request every  
reader of A. P. J. to read this ad carefully  
and profit by its liberal offer.

### Atlantic City Meeting.

Secretary Campbell writes that he be-  
lieves the thirty-eighth annual meeting  
of the American Poultry Association at  
Atlantic City, N. J., August 11 to 16,  
will be the most largely attended as  
well as the most important meeting  
ever held by any live stock organiza-  
tion. Preparations are being made to  
entertain not less than five hundred,  
and it is hoped that the members and  
their families who attend will exceed  
that number. All who attend will be  
made welcome.

Those who intend to be at Atlantic  
City convention week and who have not  
already made hotel reservations would  
do well to write at once for accommo-  
dations to be reserved for them, as the  
second week in August is a very popu-

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### "So Wags the World."

Lives of men sometimes remind us  
Change of mind is often wide  
And the wily politician  
Shapes his courses with the tide.

Recent editorial controversies and the  
A. P. A. election have a certain humor-  
ous side to help dispel the monotony of  
the constantly recurring "You're  
another!" We are reminded that the  
wily politician is prompt to clamber  
into the band wagon with the winner  
after the returns are all in. Still, after  
"lo, these many years" of loving ex-  
change of compliments it is amusing to  
find Grant M. Curtis editorially en-  
dorsing John H. Robinson. Extended  
comment is unnecessary, though the fol-  
lowing quotations may furnish mid-  
summer amusement:

"A St. Louis daily paper reported  
that in this brief but 'warmish' discus-  
sion we pulled John H. Robinson's  
whiskers. That is not true. We did  
take hold of his necktie and shirt in  
what may have been regarded as an un-  
friendly manner, and we did tell him  
to keep his whiskers out of harm's  
way or we would pull them as an in-  
dication of our personal contempt for  
him as an editor who month after  
month writes and publishes alleged  
rumor, idle hearsay and vicious insin-  
uations that are well calculated to injure  
the reputations of other men—of men  
who for years have worked faithfully  
in the interests of the American Poultry  
Association. We are frank to state  
further that we used somewhat stronger  
terms than these, so that there might  
be no mistake on Mr. Robinson's part  
in understanding what we meant. We  
had no intention of striking the fellow.  
Our feeling was one of contempt, not  
anger." (Editor Curtis in September,  
1910, R. P. J.)

"Evidently we do not hold the same  
high opinion of Mr. Robinson's charac-  
ter and mentality that Mr. Rigg does.



This can readily be the case. As for his character, based on an analysis of his writing during the last four or five years, as directed against the editor of R. P. J., we should not want to express an opinion—not for publication. As for 'the brains on the shelf,' we are frank to say that we would not pay \$15 a week for any work Editor Robinson has ever done, so far as it has come under our notice." (Editor Curtis in August, 1911, R. P. J.)

Mr. Robinson's only reply to the above was to reprint the paragraph under the heading, "Sour Grapes." Now gaze on this and note how values sometimes go up:

"There is another way in which Editor Robinson can be of service to A. P. A. and the general poultry industry in the near future. At Nashville last August a resolution was adopted which provides for the preparation and publication of an A. P. A. text-book to be used for teaching elementary poultry culture in the public schools. The poultry instructor who introduced this resolution did not express a wish to prepare the text and to decide on the illustrations for the book, and we have been told since that he does not care to do the actual work.

"Mr. Robinson has written a number of books similar in kind and purpose, although of a more elaborate character, and we are sincere in saying that we do not know of a man in the association who is better qualified to handle this important and none too easy task. In our best judgment it is time that the foremost critics of the association were put to work and given all the chance in the world to show what they can do in behalf of the organization. We do not know of a better way to keep them profitably employed and to stop their 'knocking.'" (Editor Curtis in June, 1913, A. P. W.)

"And there ye are," as John Barty would say. Wonder if the next "news from the front" will inform us that Editor Robinson has resigned from Farm-Poultry to accept a job in Buffalo at "\$15 a week" plus a few good things on the side? "So wags the world."

### Egg Records.

That famous and most subtle statesman, Disraeli, once remarked that there are three sorts of lies—"lies, damned lies, and statistics."

When we read some of the wonderful records of egg production of large flocks that are reported from time to time we are forcibly reminded of Disraeli's saying. Statistics or compilation of reports and records, especially of partial or incomplete egg records, are very liable to result in the drawing of false deductions.

We know that there are 200-egg hens and that even 250-egg hens are not such very rare birds. But the biggest producers are freaks, phenomenal specimens that stand out from the rank and file. Some poultry keepers keep very careful records of the complete year's work of some special members of their flocks, but seldom are these records kept so that there is not ample opportunity for errors to creep in. More people keep only partial records, memoranda of the performance of their birds individually, for one, two or three months, and generally not the months of low production. One good friend of ours, who has been breeding poultry for at

least fifty years, is very fond of telling about some of his 250-egggers, and we are quite positive that he never kept the record of even one hen for an entire year, and know he hasn't a trap-nest on the place. When we asked for data concerning one of his favorite producers he admitted that he had kept her up for a month with birds that laid different colored eggs and that she had produced 26 eggs that month and he was sure from that that she would produce better than 250 eggs in a year.

We don't pretend to know what the average production of good flocks really is the country over. We do know that there are many flocks where the hens will not average ten dozen eggs each in a year, and that, where large numbers are kept, flocks that will average twelve dozen eggs per hen a year are mighty good flocks and a paying proposition. When a man claims a flock of 1,000 hens or more, every one of which has a record of not less than 175 eggs a year, and many are 200-egggers, you can figure that he is drawing a pretty long bow and doing some tall guesswork. Could proof of such performance be had we would travel many miles to see such a flock and to have the privilege of examining the records.

There are 250-egg hens, and some even better, and 200-egg hens, and there are also 80-egg hens and hens that don't produce even a dozen eggs in 365 days. The 144-egg hen is a mighty comfortable bit of property to have on the place, and we would like to have 2,000 of her and none worse layers.

Notwithstanding the above comment, we are always glad to have big records of busy biddy when the same appear to be authentic, as we have no doubt a good many reports are.

There is good reason to assume that the records of the National Egg-Laying Contest at Mountain Grove, Mo., were carefully and conscientiously kept. There were 655 selected layers in this contest and the average yield for the year was 134 eggs per hen. Forty-nine hens out of the entire lot laid 200 eggs each, or better. The best record was made by a White Plymouth Rock yielding the remarkable total of 281 eggs. The next best yield was made by a R. C. Rhode Island Red—255 eggs. A Barred Rock came next with 245 eggs, an Ancona fourth with 241 eggs, and a S. C. Red fifth with 236 eggs.

The best record of which we have any authentic report for America is reported by Prof. Graham, of Guelph, Canada, and gives a yield of 282 eggs in twelve months for a Barred Plymouth Rock hen. In the International contest at Storrs, Conn., the highest record was made by a Rhode Island Red which laid 254 eggs. In this contest the average yield per hen for the year was 152 eggs.

Oregon Agricultural College is generally conservative in its reports and gives the following remarkable performance of a mongrel hen in its bulletin for June:

"Evidently being a cross-bred hen does not interfere with the laying proclivities of a member of the flock at the Oregon Agricultural College. She made a record of 99 eggs in 100 days, laid off one day for the commencement exercises, and then began again and kept right on to date. She has been laying steadily and persistently all winter, too, and shows what may be accomplished in increasing egg yield by

proper selective breeding, as she has several generations of good layers in her pedigree."

### Dogday Doggerel.

Through all this sultry, humid heat  
I've read page on page of editor's bleat  
In many a magazine.

Through controversies wild I've read,  
Cussed brainstorm in the editor's  
head,  
And his mangy bombazine.

Why spoil the quill, waste berry juice  
On columns full of wild abuse  
On days so hot?

Much might be said of July's score,  
Taunts might be writ, and jabs galore,  
But I will not!

Of course we know that it is wise  
To use much ink and advertise—  
Get talked about!

But maybe readers want an innin'  
And tired get of dirty linen.  
Just hear me shout!

Let the peace dove a-homing come—  
What if the fellow's going some  
With bluff and excuse?

'Tis time to play to beat the band;  
Your old opponent don't lack sand.  
So what's the use? —P. T. W.

### Back to the Farm.

There is no end to the city dwellers who want to get back to the farm and wrest a living from the unwilling soil. It's a laudable ambition. The army of back-to-the-farm wishers is only partly met by the army of country boys and girls who want to make fortunes in the big city.

The country is a good place to live; it is usually a healthful place, but it sometimes is a bit short on congenial neighbors who have a common bond in thought and interest. In many localities supplies are difficult to obtain, and many country schools are a disgrace to the nation. Even in states which pride themselves on their public schools there are many country schoolhouses that in management and in sanitary arrangements, and in conditions of morality, would be a disgrace to the worst farm pigsty. That is a pitiable fact, but it is none the less true. Our government spends millions to promote crop-growing and stock-growing along scientific and sanitary lines, but it doesn't pay much attention to the proper growing of the crop of children that are to people this great country in the days to come.

Yet we prefer the country, even the "wayback" country, to live in, even though we have to send our youngsters miles to a private school, or else keep a governess, because the local nearby schools are too rotten. It is a fine thing to get out in the country and live next to nature, to breathe good air and have plenty of room.

It is, however, easy for any ambitious man living in the country to get tangled up with more work than he can do. He is prone to "bite off more than he can chew." There are thousands of ways where time can be puttered away. Too great diversification in farm pursuits will soon lead to a great expenditure of time with mighty slim returns and an increase in the "high cost of living." When we landed back on the farm we wanted to do many things and attempted a good many. It took us the greater part of two years to find out



that the editorial work of this magazine comes pretty near being a full-sized man's job, and that while we might and could enjoy living on a farm, we had mighty little time for farm pursuits and that it cost a lot less to buy some things than it does to grow them when you haven't the time to spare from other more important things. While a man on a back country farm must of necessity be able to do many things and to do them fairly well, it doesn't pay to be a "Jack of all trades," nor does "all work and no play" pay in the long run. Hereafter we intend to bite off less and devote more time to chewing.

Mr. Stoddard gets right down to brass tacks in his talk on diversified farming. We believe that he is right and that it is very easy to get too many things started and too few well finished. Most men can do one thing well, very few men can do many things well. What we need on our farms is not a little trucking, a little live stock business, a bit of poultry keeping, and a little more of this and that—what we need is more specialization. Let each man specialize in the branch, or at most few allied branches, at which he can do the best work, and let the other fellow do what he also is best fitted for. We need specialization, not diversification.

We get letters very often from young men who want to go on a farm and learn poultry keeping. They want to be taught the business and they expect to be paid a salary while being taught. Even when a young man goes on a plant to observe and learn and gets his board (generally more than he is worth) he feels he ought to get better paid. As soon as he begins to master a few details and gives promise of being worth promotion to more pay than his keep, he gets a swelled head, thinks he knows more than his instructor, or any one else, does about the business, and quits the farm to go into business for himself. The instructor is left in the lurch, with no alternative but to begin breaking in another man. We tried it

and we do not enthuse over repeating the experience. Other labor is not plentiful. Good, trustworthy men, at salaries they can earn and show a profit on, are a very scarce article. Most of the best men we have tried are drifters and never stay long in one place. We haven't solved our labor problem and we intend to give the subject considerable time before we experiment further. Just for the present summer we are going to try to be content to live on our home farm and let the farm take care of itself while we devote our time to our own special work.

One of the best things we have read lately on the "back-to-the-farm movement" is the following editorial from the July 12th Saturday Evening Post. It applies equally well to would-be poultry farmers. The advice is good. Read it and think it over.

#### "That Farm You Want."

"A great many city men who had little or no practical experience in farming before they tried it are succeeding at it. A great many others are failing. Others, more numerous than both these classes combined, are honing to make the venture. For them here is a simple recipe:

"Take the price of a farm in the rural district you have selected and carefully deposit it in a sound bank at the best interest you can get for six months. If possible find an up-to-date, progressive farmer and hire yourself to him for the summer. Probably he will entertain so low an idea of your value as a farmhand that he will not even give you board for your labor; but, if you have no practical experience in farming and propose to make that your business, you can afford to pay him board and work a few months for nothing.

"In the course of the summer you will discover many valuable things—as that following a furrow in loose dirt all day affects the feet in a way quite different from walking on a pavement,

that the eighty you were on the point of buying because the view from the front porch is so lovely runs back into a sour, cold clay which resists all known methods of cultivation in a wet season.

"You will also discover that poor farmers work like galley slaves if they keep their heads above water at all, though good farmers work no more than a healthy man should; in fact, the best farmer we happen to know frankly confesses that he has not done a lick of hard work in ten years. But he knows how every bit of work on his farm ought to be done and personally sees that it is done that way—which would be out of the question if he had not had practical experience.

"At the end of a summer on the farm you will know what to buy and what to do with it afterward. If your progressive farmer will not let you work for him on any terms, at least sit on the fences a while, get acquainted with real farmers, and learn the locality before you buy."

#### Chicken Thieves.

The skunk or polecat is a natural-born chicken thief. So is the hawk, and so are some other furred and feathered animals. They don't know any better and nature taught them to get their food in that way. We shoot such thieves when we can.

Of the few things in this world meaner than the skunk is that meanest of all polecats—the chicken thief of the genus homo. This human polecat is not deserving of any consideration as a rule, yet our courts deal lightly with him and make chicken-thieving, for the most part, a petty offense. Some few may steal chickens for food, some steal them to sell as a source of easy money, but most of such thieves steal chickens as an easy means of securing enough money to buy booze. It is high time that such thieves were severely dealt with.

When we first came to live in Plymouth county, Massachusetts, we had our first experience with chicken thieves. During the first few months we lost several hundred dollars' worth of chickens, fowls and other property. We could get no protection from either town or state. We did not get any relief from this trouble until we bought a dog with a reputation for being savage, and also began to make a practice of shooting at night whenever we heard a disturbance about the poultry houses. The town made us chain the dog and the police warned us that we might get into serious trouble if we continued shooting, even if we only fired in the air. Nevertheless, since we could get no protection from the law



## MARTIN'S REGAL SUMMER SALE

In order to make room for my large flock of rapidly growing chicks, I am offering for sale, 400 selected breeders at very low prices. Send for free sale list, giving description and prices, also 20-page catalogue. Eggs from prize matings, \$2.50 per 15, \$12 per 100. As usual Regal White Wyandotte Chicks will be winners at the early shows. Will have matured cockerels and pullets by September 1st. Book orders early.

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# SILVER CAMPINES

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THE DICTOGRAPH FARM  
AFTER THIS SEASON

; RIDGE EGG FARM, R. 2, WEST NYACK, N. Y.



and could not stand the frequent raids on our property, we had to continue to exercise our judgment in protecting our home and property to the best of our ability. We set traps in our poultry houses and it became noised about that there was danger of being shot if prowling about our place at night. That was the only thing that saved our poultry.

Neighbors lost poultry frequently, and one poor man, who depended almost wholly on his income from poultry, lost his entire flock of some 500 marketable roasters in one night. We have yet to learn of any action of the authorities that has benefited such poultry keepers.

Yet shooting is dangerous practice and liable to lead to serious results, particularly if a man shoots while under excitement and when just aroused from his bed. The case of David D. Farnsworth, of Bridgewater, Mass., brings this forcibly to mind. Mr. Farnsworth has been a resident of Massachusetts only about two years. He had a small poultry farm and was a contributor to the poultry press. He had lost one leg at the hip joint and therefore was not well equipped to cope with thieves in the night. His plant had been visited several times and many valuable fowls stolen. One night he and his good wife were awakened by a commotion in the poultry house. They turned out in their night clothes and Mr. Farnsworth fired a gun several times in the air, as he believed, to frighten the thieves. Next morning an alleged chicken thief was found dead near his home and there was every indication that the man's friends had aided him to get through the fence and off the farm. He was reputed a "bad lot." Nevertheless, the majesty of the law was visited upon the Farnsworth home and Mr. Farnsworth was finally sentenced to six months imprisonment for manslaughter. The state did not protect him or his property, or his family, neither did the town, and the law found it necessary to punish him for endeavoring to protect himself, although it appeared to observers that it was quite clear that he fired to frighten thieves, or worse, from his home, and the killing was accidental.

It isn't safe in these days for a man to attempt to protect himself and his home; the law doesn't protect him, and even when he protects himself in what he believes to be self-defense, he is in danger of suffering severely for it unless he is prepared for the occasion with an abundance of witnesses. The law will punish him promptly if he shoots the invader in his home, but it won't, or don't, help him to keep out thieves and burglars. We are expected to permit ourselves to be robbed and to smilingly ask to have it done again. Isn't it about time that the penalty for chicken stealing was made more severe and that something was done to put a stop to it?

We are glad to be able to state that, through the efforts of his wife and his friends, Mr. Farnsworth only served a small part of his sentence. We do not

believe he should have ever been sentenced; but that can't be helped now. On July 9th a petition was presented to the governor of Massachusetts and council, and the vote for pardon was unanimous, neither the judge who imposed sentence nor the district attorney offering any opposition to the pardon. Mrs. Farnsworth hurried to Plymouth with the pardon, and that afternoon the happy pair returned together to their little farm. We understand that the farm is to be sold and that Mr. Farnsworth is to return to Chicago to continue in the employ of the railroad with which he was associated before he came to Massachusetts on an extended leave of absence.

Our sincere congratulations are extended to Mr. and Mrs. Farnsworth on the successful and happy outcome of what at first appeared to be another dark blot on the legal records of the old Bay State. We shall be sorry to have them leave New England, but we wish them long life, happiness and prosperity wherever they make their home.

O. L. McCord, Danville, Ill., the present election commissioner of the American Poultry Association, informs us that he will be a candidate for reelection to this very important office. In our opinion, the members of the American Poultry Association who attend the annual convention at Atlantic City this month should by unanimous vote re-elect Mr. McCord to this office, and should also extend to him a vote of thanks for the careful, prompt and efficient manner in which he has done his work in the past.

#### DR. WOODS' NOTES AND COMMENT.

Atlantic City Aug. 11th to 16th.

What are the wild waves saying  
Down on Jersey's sandy shore?  
Better sure attend that meeting,  
Old friends and fanciers greeting,  
Though you've never gone before.

Atlantic City by the old ocean,  
August, the second week,  
Time and place you should remember,  
Even though you're not a member,  
Come along, 'tis YOU we seek.

There's no "midway" like the Boardwalk,  
For amusements and strange sights,  
Promenade so long and wide,  
"Twixt the busy shore and tide,  
Something doing days and nights.

Shake off business for the present,  
Take some playtime, you need more,  
Pack your grip for a vacation,  
Hustle off now to the station,  
Meet us down on Jersey shore.



## Keeler White Wyandottes

The perfection of poultry breeding for beauty and utility. Line bred and pedigree bred for the past twenty years. Winners at Chicago, St. Louis, Washington, D. C., New Orleans, Dallas, Tex., Los Angeles, etc. **Stock Bargains**—Summer sale of breeders at bargain prices during June, July and August. Send for special sales list describing these bargains, it's free. 500 January, February and March hatched young stock that will be ready for the Fall fairs and early Winter shows. **Show Birds**—1,500 April and May chicks for the Winter shows. Birds washed, conditioned and shipped direct to any show room without extra charge. Sixty-page art catalogue of America's finest White Wyandottes free, send for it (stamps appreciated.)

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# PERFECTION WHITE WYANDOTTES

SUPERIOR TO OTHERS—THE ACME OF PERFECTION—Send ten cents postage for illustrated art catalogue telling how I raise my prize winners. Mention A. P. J.

GEO. H. RUDY

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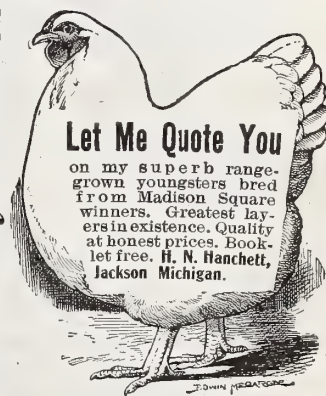
Thompson will be there to greet you,  
R. V. Hicks and Campbell, too,  
Hustle now and get in motion,  
Meet them by the breezy ocean,  
Surely we can count on YOU.

This and more the waves are saying,  
Saying now good friend to you,  
Never mind the small expense,  
You won't miss it some time hence,  
Be a good sport, come on, do!

\* \* \*

Our old friend "Tom" Rigg has had another dream and prints it as a "rumor." Eat more apples and worry less, Thomas F. Office holding and seneschal duty is not in our line. And as for the "certain party" you mention we wouldn't keep him out if we

White Wyandottes



Blue Orpingtons

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on my superb range-grown youngsters bred from Madison Square winners. Greatest layers in existence. Quality at honest prices. Booklet free. H. N. Hanchett, Jackson Michigan.



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Send for our BIG FREE CATALOGUE containing illustrations of Best Brooders made—the kind that raise strong chicks. It also contains 5 Chapters on Poultry Raising written by Robert Essex, and 30 Photos of the latest Experiment Station Poultry Houses. Address nearest office.

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could. There's more fun with him in.

Now that for one issue of the publication they write for Messrs. Rigg and Orr have cut out the "my dear Gaston" and "my dear Alphonse" up-stage advertising business, it is to be hoped that they will continue to mend their ways and after a while give us some really useful poultry talk from their abundant practical experience. Here's hopin'.

The following from experience of Thomas F. Rigg in R. P. J. is interesting to rural poultry keepers: "We are still having trouble with the blue jays. Last week they killed eighteen young chicks. As previously stated,

they pick the chick on the head until it is dead. They do not eat the chicks. They kill them for the delight of slaughter. Under the Iowa law, the blue jay is an outlaw and can be legally killed. We have been busy during the past few days."

We have found blue jays a few times in enclosed chicken runs, but they do not seem particularly troublesome in Massachusetts. On our home place there are a good many kingbirds (bee martins) and these prove a great help in keeping hawks and jays away from the open fields and orchard. The kingbird is a great warrior and a protector of the farmer's poultry and pigeons and should be encouraged to nest in the orchard trees. This spring a pair of kingbirds made a nest in the old apple tree near one of our poultry houses and raised four sturdy youngsters. There is one crafty big hawk that we have never been able to get and he has more than once carried off a full grown Rock hen. One morning we heard a great commotion in the air and saw the two parent kingbirds attacking the big hawk high above our poultry yard. It was a great fight for the kingbirds, but the hawk was so at a disadvantage that his only thought seemed to be flight and the two tiny warriors chased him out of sight over the woods. We haven't seen him since and he used to be a regular visitor, but too crafty to be caught.

In July R. P. J. Editor Curtis replies at considerable length to Editor Standish of the Poultry Index. We were somewhat amused to find the following reference to us in the editorial: "Referring briefly to our long-time friend and co-worker, Mr. Woods, it is still a pleasure to us to have him meet us fully half way with a cordial handshake at the Boston and New York poultry shows, which he has never yet failed to do. The Doctor, on a basis of eight years of association, knows that we are no worse than we are—and we trust that the day may never come

when he will feel ashamed to be seen speaking to us in public."

We believe that we can conscientiously say "Amen" to that.

We commented last month on the unfortunate statement Editor Standish made concerning a "Massachusetts advertiser." We think that should be retracted or else a positive statement of the charges set forth. If there is a big advertiser in Massachusetts who is a "notorious fakir and cheat" we don't know who he is and if Editor Standish does and can prove his statement he should do so at once and take the onus off the other advertisers in the Bay State. We have only met Mr. Standish a few times and then only for a few moments and we were favorably impressed with his work and his publication as we had observed it, but as we said in July issue we think he slopped the ink a wee bit in the heat of his indignation and said things he is now probably sorry for. The balance of the controversy isn't worth wasting

## Appco Shipsafes



Corrugated Boxes For Eggs, Day-Old Chicks, and all kinds of PARCEL POST Packing Boxes.

15-Egg Size.....	per doz.,	\$1.20
30-Egg Size.....	"	1.90
50-Egg Size.....	"	2.50
100-Egg Size.....	"	4.00

Use them as you gather eggs, turning daily. (Lots of One Dozen Only.)

SPECIAL OFFER, 10 Doz. 15-Egg Size, \$10.00

Pomona, California.  
Gentlemen: "To test the Appco Shipsafe I sent a setting of eggs Parcel Post to New York City. It was taken up by the rural carrier in the usual manner, and arrived safe, sound and perfect. The Appco Shipsafe is safe."  
Eversley Poultry Yards. Cornell G. Ross, Prop.

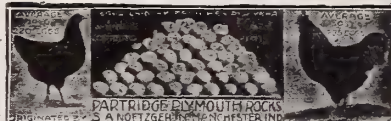
The Safest and Strongest corrugated box ever devised for shipping day-old chicks. Perfect ventilation, no crowding, light weight, low charges. Used all over the country by shippers of day-old chicks.



25-Chick Size.....	per doz.,	\$1.25
50-Chick Size.....	"	1.75
100-Chick Size.....	"	2.90

The Appco Shipsafe is accepted by all the Common Carriers and Postal Department. Write for "Poultry Bulletin."

AMERICAN PAPER PRODUCTS CO.,  
205 Bremen Avenue, St. Louis, Mo.



## July Sale of Partridge Rocks

During this month I offer every one of this years breeders for sale at "bargain prices." The most of these birds must go. They will be priced to sell quick for I must have more time and room for the 2500 youngsters that are growing. Every bird guaranteed to please or can be returned and I will refund your money, less return express. Don't wait or you will be too late. Buy a show bird, pair, trio or pen now and save money. Have several fine breeding males at \$5 each and up. Baby chicks and eggs at reduced prices. Remember my birds have won more firsts than all others at

CHICAGO, NEW YORK, TOPEKA, KANSAS CITY, INDIANAPOLIS, ETC.

S. A. NOFTZGER

Box 38 :: North Manchester, Indiana  
Originator of the Partridge Rock Fowl

U. R. FISHEL'S AD in this issue will interest you. Read it.

# WHITE ORPINGTONS



## Superb Type and

## Superior Quality

### January and February Hatched Youngsters For Sale

Never have I found young chicks to prove more completely the claim made for them regarding TYPE and QUALITY than does my present young stock. It is indeed a remarkable line of cockerels and pullets hatched in January, February and March. As it is possible to detect any minor faults in birds after they are eight weeks old, and to form a pretty fair idea as to how they are likely to develop, I have placed on sale about 600 of the most promising White Orpingtons ever produced—large, vigorous, massive birds raised on acres of blue grass sod.

OLDER STOCK AT BARGAIN PRICES

Due to the fact that I must make room for younger stock, it will be necessary to dispose of a number of HENS and COCKS on the breaking up of my breeding pens. These, of course, must go at attractive prices, and here is an opportunity to get some foundation stock the stamina and vigor of which could only be arrived at through the wonderful blue grass range commanded by Russell Cave Poultry Yards as a branch of the renowned 8,000-acre Elmendorf Farm. High-Class Exhibition Specimens—I am now prepared to condition birds for the early shows. An extra line of Duroc-Jersey young pigs for sale. Russell Cave Poultry Farm Elmendorf Stock Farm Louis Lee Haggin, Prop. R. 3, Box 1025, Lexington, Kentucky





any more ink over, but that stigma should be removed from Massachusetts advertisers and if a guilty party does exist outside the heated imagination of a moment in editorial writing, then he should be shown up for the protection of all poultrymen.

\* \* \*

D. Lincoln Orr, in his July grist, calls attention to hulled oats and states that they "are obtainable most any place and they are not very high in price in comparison with some other grains. They can be bought here in the East at not over \$2.75 per 100. Hulled oats are a good grain to give growing chicks. Less corn and more oats ought to be fed."

\* \* \*

Hulled oats are excellent food, there is no doubt about that. However, unless carefully and sparingly fed they are liable to be wasted and so prove expensive. No more should be given than are cleaned up promptly. It is easy to stall chicks on hulled oats. Personally we prefer good heavy clipped white oats to hulled oats for both chick and fowl feeding. All of the hull is not digested, but part of it is and we believe from experience that oats with the hulls on are better for poultry feeding than oats with the hulls off. Good clipped oats cost us now by the ten bushel lot, \$1.15 for 64 pounds. We would rather have 128 pounds of good oats with hulls on for \$2.30, to feed to growing chicks, than 100 pounds of hulled oats at \$2.75 and we believe we would get much better return for our money in sound chicken flesh, bone and feather. The hulled oat lacks the germ and its valuable food properties. Oat hulls are comparatively rich in mineral matter that is of value as an aid in feather forming as well as for other purposes. The ash or mineral content of the oat hull is about 6.7 per cent. There is also about 3.3 per cent protein, 52.1 per cent carbohydrates, 1 per cent fats and about 29.7 per cent fibre. From post mortems of many chicks we believe that, within reasonable limits, the oat hull fibre helps in the digestion of the oats.

\* \* \*

We have received from Cassell & Company, Ltd., New York City, a copy of their new book, "Poultry Foods and Feeding," a manual for all breeders, by Duncan Forbes Laurie, poultry expert and lecturer to the South Australian Government. The price is \$1, and it should prove well worth it to any poultryman as a library reference book. American poultrymen will find a good many statements in this book to which they will take exception or with which their own personal experience leads them to differ with the author. This is inevitable in a book of this sort and is all the more apparent in this work because the author lacks experience with American poultry feeding methods and has written from the "other side of the herring pond" point of view. Nevertheless it is an interesting book and one that will prove helpful to every thinking poultryman, whether he agrees with Mr. Laurie or not.

\* \* \*

Maine Agricultural Experiment Station has recently issued a revised to February, 1913, bulletin, Circular 471, entitled "Poultry Management at the Maine Station." It contains 78 pages and outlines the results of several years' experience in poultry work of the station. The circular was prepared

by Dr. Raymond Pearl. It devotes chapters to: "Poultry Hygiene and Sanitation," "Selection of Breeding Stock," "Raising Chickens," "Feeds and Feeding," "Housing," "Yards," "Lice," and "Trap Nests." The circular is free to residents of Maine. Poultrymen living outside the state may obtain a copy by sending 20 cents, coin or other currency, with their request, to Director Charles D. Woods, Orono, Me. Postage stamps are not accepted.

A. P. A. Acrositic.

Every hen and chick should be  
Busy all day long.

That's the way that you and we  
Have them healthy—strong.  
Only breed from good ones too,  
Manage with good sense.  
Poultry pays, if well it lays,  
Some are all expense.  
Oh, be wise I say to you,  
Never kill the hen that lays.

Poultrymen will now convene,  
Ratify their choice last May.  
Every member should be seen  
Standing up for A. P. A.  
In this great Convention  
Don't delay, be on your way.  
Even though you voted wrong  
Never admit contention,  
Thompson's president and strong.

## CANADA'S WHITE ROCK FARMS

Originator of Royal Strain—and bred by me for a great many years. Leading winners at Guelph, 1912, and Buffalo, 1913. Sixteen pens mated for this season's egg trade. Send for Mating List. Satisfaction Guaranteed.

J. L. BROWN, Seaforth, Ontario.

## GREENAN'S WHITE WYANDOTTES

At Pt. Huron, 1913—America's Quality Show.—Won everything in sight, first and second cock; first hen; first cockerel 1911-1912-1913; first pen 1913; best display 1912-1913. Send for my mating list and see who has the winning kind. Fine breeding males, \$5.00 to \$10.00. Book your egg orders now. Please mention A. P. J. J. B. GREENAN.

DECKERVILLE, MICHIGAN

## WALDEN'S BARRED ROCKS

Philadelphia, New York and Baltimore winners. I can please you with quality and price. Quality is my aim, with satisfaction assured. Choice breeding stock at right prices. If you want quality that will improve your stock I can supply it. Write me your wants.

R. J. WALDEN, Box A, Middleburg, Maryland

## Editorial Position Wanted.

A poultry editor of national reputation and of many years' experience with fowls is open for engagement. Terms reasonable. Address "Editor," Box 110, Weedsport, N. Y.

## Did you read back inside cover?



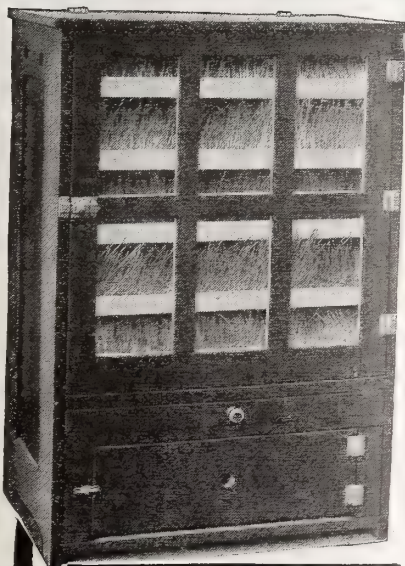
## Special Summer Sale

Our Annual Room-Making Reduction Sale is now at its height. Wise poultrymen anxiously await our Special Summer Reductions to save much on their purchase of new and good blood.

## Newtown S. C. White Leghorns

A few high-class Exhibition Pens reduced one-half and more. Yearling Hens, Cocks and Cockerels and a few hundred of this year's Pullets are offered at prices that compel investment. Our Special Summer Sale Circular Q tells all about it. Write for copy now. Don't lose this great opportunity to get heavy-laying Newtown stock.

NEWTOWN PRODUCING CO., Newtown, Pa., U.S.A.



**Construction** Made of best lumber—double walls, insulated with heavy deadening felt—inside lined with galvanized iron—frame of trays heavy galvanized iron—bottom of tray heavy wire netting—front of machine glass, which induces green sprouts. These sprouts require a very small amount of artificial heat which is produced by the Ideal Safety Lamp; the fumes pass through ventilator.

## Keep Hens Laying all Summer and Fall! Keep Down Feed Bills!

Feed them Sprouted Grain. Give your hens the fresh, young green food that is absolutely necessary to insure sure increase in egg yield in the summer and fall when the grass grows tough and the poultry yards become bare and brown. And give Sprouted Grain to the chicks to insure their faster, healthier growth. Get an

## IDEAL Grain Sprouter

and reduce the feed bill. Get two to three bushels of nutritious sprouted food, the wonderful egg maker, from one bushel of dry grain. It will produce sprouts two inches long in 24 hours.

The Ideal is made in several sizes—to feed a few hens—or hundreds.

Write for full particulars and description.

J. W. MILLER COMPANY  
Box 600  
Rockford, Ill.

Get  
Special  
Low Price  
Freight Prepaid  
Introductory Offer.  
Write for It Today!



# Poultryman's Calendar

Conducted by  
Prince F. Woods, M. D.



## Vacation time.

Atlantic City. American Poultry Association thirty-eighth annual meeting, August 11 to 16. Headquarters Hotel Dennis. Be sure to be there.

When making ready the houses for fall and winter layers, do not neglect the runs. Dress the land with air-

slaked lime or with wood ashes, and plow or spade deeply, stirring the soil well. Then sow rye, so that there will be abundant fresh, green growth when the birds are housed for the fall.

Cull your flocks as the chickens grow. When you note a particularly promising specimen that is full of life and vigor and growing all the time, leg-band it

and note how it develops. You ought to know your best breeders from chick hood to maturity. It pays.

More greens and more animal food for the growing chicks to balance their grain ration.

Don't use close coops or closed growing houses. Keep the front open and protect against marauders with fine-mesh wire netting. Don't crowd the sleeping quarters and be sure to keep them clean.

Provide shade and if possible shady, green runs. Keep the drinking water in a cool place. Supply good grit and plenty of it. It is a good plan to feed a little grit to growing chicks mixed in with their scratch grain.

Keep a sharp lookout for lice and mites and use good insecticides freely. Where small runs must be used, scrape out the droppings for use on garden land and spade up the runs often. After spading rake in a few oats.

Plan to get winter quarters in order early this season. Renovate them thoroughly and have them clean and sweet for the use of the flocks at housing time next month. It pays to get the early pullets into their winter quarters in September.

Incubators, brooders and brood coops should be cleaned, disinfected, thoroughly sunned and dried and stored for next season's use.

If you feed a moist mash, do not give more at one feeding than will be promptly cleaned up. Moist food spoils quickly at this season, and spoiled or sour grains and grain mixtures are certain to cause trouble. Be sure that the cracked grains fed are sweet and sound. There is always a good deal of spoiled cracked grain sold during the summer season.

Lean-to board shelters and "pup tents" of old canvas are useful at this season to provide shade and shelter in the open fields. They make a cool retreat from the hot sun and a good place to seek protection from sudden showers and thunder gusts.

Sell off the cull cockerels as they plump up to marketable size, or else caponize them to keep them soft-meated until the large roaster size is reached.

Market the fowls you do not intend to winter while the price still holds good. Those you do not intend to keep are best marketed before they molt.

Freshly made whitewash is a great sweetener for poultry houses. Put it on with a sprayer. Strain the wash



THE KODAK GIRL AT HOME

Every step in film development becomes simple, easy, understandable with a

## KODAK FILM TANK

No dark-room, no tediously acquired skill—and better results than were possible by the old methods. It's an important link in the Kodak System of "Photography with the bother left out."

*The Experience is in the Tank.*

Our little booklet, "Tank Development," free at your dealers or by mail.

EASTMAN KODAK CO., 379 State Street, ROCHESTER, N. Y.



through burlap sacking before use and do not have it too thick.

\* \* \*

When chickens start feather-pulling, toe-picking and other cannibalism, get them out on a good big green range and keep them busy. Crowding and close confinement combined with heavy grain- ing are apt to lead to the development of bad habits.

\* \* \*

The chick on good range will eat great quantities of fresh greens and large numbers of bugs and worms, but comparatively small amounts of grain. Does this suggest anything to you concerning the ration you are now feeding?

\* \* \*

Turkeys and guineas when grown on range feed almost wholly on bugs, worms, grass seeds and greens, and eat very little grain even when they have free access to it, and then only a very little at a time. So fed they make

splendid growth. Hand-fed in limited quarters they do not do well if heavily grained, but make good growth on abundant fresh greens, curd cheese, hard-boiled eggs and a little grain.

\* \* \*

If you are planning to enter a pen in one of the laying contests this fall it is a good time now to make preparations for it and to select promising specimens from which the contest flock will be chosen.

\* \* \*

Don't forget that the great Panama-Pacific International Exposition is to be held in San Francisco, Cal., February 20 to December 4, 1915, and that preparations are being made to make poultry one of the big features of the live stock department. It is none too early for you to make plans for the string of exhibits you hope to make there. Every section of this great and

glorious country ought to make an effort for a big display in the interests of our poultry. We are all fond of bragging about the "billion dollar poultry industry" and the magnitude of poultry interests in America. The Panama-Pacific Exposition will afford an opportunity to make a showing of what the "billion dollar" business really amounts to. Be patriotic and get into line. Not only "root" for poultry, but see what you can do to help your home section to make a creditable showing at the exposition.

## FANCY AND EGG BOXES

FOR SHIPMENTS BY  
PARCEL POST OR EXPRESS

Write for our Parcel Post Package Booklet, which gives postal rates and regulations.

THE SEFTON MFG. CO. 1329 W. 35th ST.  
CHICAGO, ILL.

Makers of Eyrie and Anderson Egg Boxes.  
Eyrie Shipping Coops, Sefton Live Chick Boxes.

# E. B. Thompson's Imperial "Ringlet" Barred Plymouth Rocks BARGAIN SALE FOR 1913



First Prize Cockerel and Champion Male and First Prize Pullet and Champion Female at Madison Square Garden, New York, 1913

Is the event in the Barred Plymouth Rocks; this sale stands out with a prominence that is clearly defined.

My special sale list is now ready for mailing and I offer the largest and finest assortment of Barred Rocks in all America at the most decisive price reductions and most emphatic bargains ever recorded.

## This Is America's Foremost Bargain Sale

And goes beyond anything ever before attempted in thoroughbred poultry. It is unprecedented. The resources of my "Ringlet" farm are unlimited and you can now secure Madison Square Garden, New York, winners and sons, brothers, sisters and daughters of New York winners, and birds of this richest New York prize winning blood at the decided bargain prices. Birds bought now at the prices in my special sale list will pay you splendid dividends.

## In This Special Sale List

Are listed the finest show birds, the finest breeders in single birds, pairs, trios and pens that I have ever offered in all my thirty-three years' career as a Barred Rock breeder, and at the rarest bargain prices. There are lots to meet the needs of all—the beginner who must begin right, the old breeder who will improve his stock, and the show man who wants to win in the strongest competition in the world. You will have the solid satisfaction of selection from the largest and richest New York prize winning stock and blood lines in America today—the selections are unbounded.

## The Imperial "Ringlets"

Are the proud product of more than a quarter of a century of Barred Rock breeding—they have the most fashionable barring and even blue color of the present day, they sell when no others will by reason of their matchless quality—no other strain holds so imperial a place in popular favor—their name leads all the rest. To meet success in winning prizes you must have my birds.

(See my ad on back cover page for the wonderful record of my "Ringlets" at last Winter's Madison Square Garden 1913 Show. This achievement takes rank in history as the most wonderful ever recorded since the New York show was founded.)

It will be to your interest to have this special sale list and take advantage of this opportunity to secure "Ringlets" at the cut down bargain prices. It is sound business judgment to buy what you want when offered for dollars less than it is worth, it is justice to yourself and economy. Whatever may be your wants in Barred Plymouth Rocks you will find it in my special sale list at bargain figures. The list will be mailed promptly upon request.

**EGGS** from the world's finest exhibition matings, \$10 per setting; four settings, \$35; 100 eggs, \$60. One-half these prices after June 10th. Elegant 70-page catalogue upon application. Address

SEE MY OTHER AD. ON  
BACK COVER PAGE

*E. B. Thompson*

Lock Box 510  
Amenia, New York



# Notes from the Southwest

Conducted by H. H. Stoddard, Riviera, Texas



## FRESH AND NOT FRESH.

**A** NEWLY LAID egg cooked just to the queen's taste, has a peculiar faint delicate flavor, once for all, like the perfection stage of a flower which, when passed, never returns. From absolute freshness to intolerable rottenness there are endless degrees of goodness and badness, and in the curious steps and stages of getting all the eggs in the United States from producers to consumers, there is, as things now go, a loss measurable only by mines of gold.

The difficulties that rise up when it is attempted to stop this loss are many and formidable. Legislation is being invoked to head off the sale of bad eggs, but most of the laws designed to that end are even harder to enforce than prohibitory liquor laws are.

To inspect all the farmer's small sales constantly going on would require an army of government officials as the sands of the sea for multitude, although I am informed that in some places, though the official came seldom, a fine of \$100 when he did put in an appearance suppressed the farm rotten-egg basket to a considerable certain extent.

Beginning at or near the sources of supply, we may enumerate eight principal classes of eggs as follows:

- (1) Independent egg farm, candled.
- (2) Independent egg farm, not candled.
- (3) Farmers' special delivery, not candled.
- (4) Curbstone market, not candled.
- (5) Poultrymen's Association, candled.
- (6) Farmers' Association, candled.
- (7) Creamery collection, candled.

## (8) Grocery collection, not candled.

### Class I.

When a large independent egg farm, bound to no association or organization, sells yesterlaid eggs regularly to a high class hospital, restaurant or hotel, or perchance to one of the best railroad lunch counters' serving eggs in the shell, and those containing specks or blood spots are candled out at the farm, then the very acme of quality is reached. There can be none better. The blood spots are no harm except as they offend the eye, but still they are not just right. The eggs described are even slightly ahead of those taken new laid from nest to kitchen on the table of the farmer, fancier or suburban resident, since blood spots are then commonly ignored. The professional egg farmer must have the most rigid precaution taken from year's end to year's end in gathering eggs. By all means have the eggging done by one person only, and the "egger" should be the most painstaking and responsible party on the place. The plant having its guarantee to maintain, and enjoying the patronage of the very highest class of customers and the highest price, is governed by the strongest incentives conceivable so that here the very zenith of excellence is reached. Eggs always roosterless, no wrinkled, thin shelled or misshapened ones, none stained by rains, and none washed, for the bloom on an egg is a fancy feature, just like the bloom on plums and some other fruits. Class I comprises the very top-notch eggs, and none can be better by any possibility.

### Class II.

The independent egg farm before attaining large scale operations is apt to

dispense with "candling," or rather electro-inspecting, for a few years, because its output is small and its relations to customers quite direct. The eggs being used before they are more than two days or three days old, and always unimpeachable as regards form, size, cleanliness and freshness, the matter of blood spots is ignored by stipulation. Since customer's patrons do not pay the very highest rates, therefore customer cannot afford to pay quite as much as buyers in Class I. This is the stage that most of the egg ranches of the Southwest are in at the present time.

### Class III.

This consists of farmer's private customer, eggs inferior to those of Class I, only as the blood spots and dark specks are not removed, and that generally some of the eggs are not yesterlaid. But they are reasonably fresh and speedily used, in important distinction from the instances where they pass through the hands of middlemen, and as for the spots, they are explained by the seller as harmless and not diseased, when customer mentions them, and finally disregarded. Thus there is a manifest advantage of good faith and confidential relations when producer and consumer are only one step apart.

There is another grade a little lower, to be put in

### Class IV.

The curbstone market, that excellent institution of many southern cities, and lately wisely adopted at some northern places previously without it. The farmer backing up his wagon to the curb, sells to some customer who remembers his face and perhaps his

# FISHEL & SON

Having hatched and reared more young chicks this season than ever before, are offering

## The World's Best White Wyandottes

At a sacrifice to make room for their thousands of growing chicks. In considering the purchasing of stock at bargain prices you must consider the breeding quality, and the line breeding of the stock you intend to purchase. Some stock would be expensive at any price. Not so with the World's Best Strain, bred in line for years, bred so they reproduce themselves year after year. When you can purchase such stock at reduced prices you are sure to get

## A BARGAIN

Send for our special offer for the one month, also our sale list with forty-two lots of birds listed at prices never before quoted on such high class stock. Our new catalogue which covers every phase of the poultry business is pronounced the greatest book of art and the most instructive book published; we would be pleased to mail it to you for 25c in stamps and if it is not worth dollars to you, send it back.

**J. C. Fishel & Son : Box J : Hope, Indiana**



wagon and grey mare, and if quality proves good, calls again. There will always be some wagons where a skin game is carried out on the principle of one lick at a customer and never expect to sell to that customer again. Therefore, this case on the average is of lower rank than those previously mentioned.

Now we come to

#### Class V.

comprising the eggs shipped by an association of poultrymen like that at Petaluma. The producers make egg farming their sole business substantially for butter, fruit and such like are strictly minor interests, and in numerous instances not a penny's worth of anything save poultry products is raised at all. The eggs from associated proprietors, after being tested by electric light, go to market under one brand as if from one farm and one proprietor. This is the style of the great export egg trade of Denmark, the eggs being high grade because anything decidedly bad brought to the packing room is readily traced to the individual who brought it, and he is subject to a severe fine or expelled from the association if the offence is repeated. The eggs with blood spots are not counted as a fault of the fowlkeeper, but by their removal as inferior, to be shipped to Alaska, or for special uses nearer home, the high degree of the brand is maintained. As the poultrymen make their living by poultry they are professionals, thoroughly imbued with a sense of the importance of care in gathering. This care, however, will never be as great as in the classes higher up, for if eggs several days old are smuggled in, as they will be inevitably in some cases owing to the occasional discovery of hidden nests and for some other reasons, the consumer never can know which poultryman sent them. His mug is never visible. There is no direct personal relation. A face to face meeting is what counts wonderfully in commercial transactions. The man at the electric light can vouch for some things absolutely, but can never tell which eggs were yesterday and which are moderately stale and minus the "milky aroma," neither those which are slightly more stale. The association's eggs are for the broad trade, and though always commanding a good price can never hit the choice select places and prices.

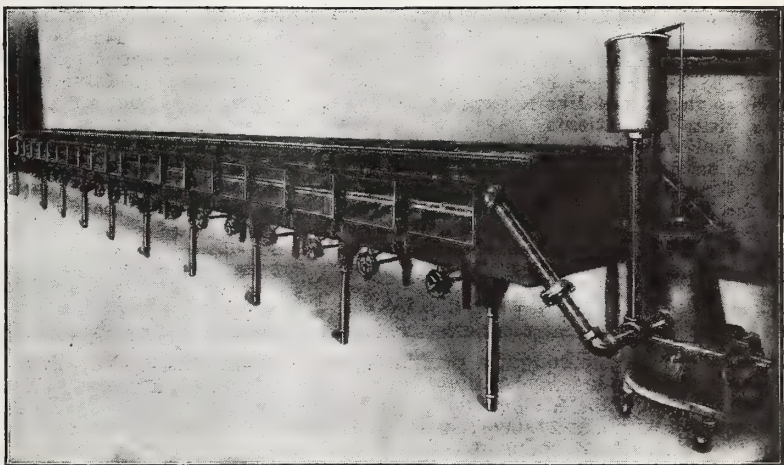
#### Class VI.

This class I must characterize particularly because in my own country a monster poultry plant is to be tried. Its backer and ruling spirit has just been interviewed by the reporter of a San Antonio daily while passing through that city. The reporter is not a poultryman, for he speaks of "registered stock," when he evidently should speak of poultry bred by the Standard. He has, I think, such a registry in mind as if Jersey cows were in question, not knowing that there is no association register of poultry pedigrees. Possibly, however, this new plant may claim heavy laying strains with an egg record of several generations, and the term "registered" may refer to this claim. As for the proprietor himself, he frankly disclaims the title of poultryman, and therefore the reader should not attach to the interview meanings too precise, but should read between the lines a little, in places and in a generous spirit. The newspaper report is in part as follows:

"To own the finest chicken farm in the Southwest and to teach the farmers of Nueces county to sell enough poultry, eggs and butter to provide for all their upkeep in order that their farm products may mean ready cash, is the present ambition of the founder of the town that bears his name, and one of the men who is building a new industrial empire in this section of the state. Mr. —, who is at the St. Anthony en route to New York with his family, told a representative of the Express of his poultry farm plans and something of the methods he is employing to make that farm known from sea

went to Connecticut to employ a chicken expert to manage his farm. Mr. —, the Nutmeg State poultry specialist, is not only familiar with every detail of the business end of the chicken trade, but is a regular chicken physician. Mr. — says he operates on sick chickens with as much finesse and skill as a celebrated surgeon carves for appendicitis and with far more success.

"The chicken farm has just been started, but it is going good. It is equipped with all the latest approved appliances in the way of brooders and incubators. It is located in the center



## "100 to 120 Large, Strong Chicks from 150 Eggs, All Season"

That's the excellent work done by a 3,000-egg Newtown "Giant" Incubator for Chas. A. Loughman, Proprietor of the Glenlea Poultry Farm, Coraopolis, Pa. His "Giant" gave him big hatches of real, profitable chicks all during the past season—not only once or twice. It wasn't chance, but real "Newtown" efficiency that did it. Read an extract from his letter:

"Gentlemen—From 150 eggs in each compartment of my Newtown Giant, testing only on the 10th day for any infertiles, at the finish I always take out from 100 to 117 chicks, and just two days ago 120 chicks. The average was 109 chicks for all season.

"Now, this was not once in a while, but all the time through the season. And, best of all, the chicks are large, strong and fluffy—the kind that live and will be a profit to me.

June 18th, 1913.

(Signed) CHAS. A. LOUGHMAN."

## Newtown "Giant" Incubator and Brooding System See them at Atlantic City

"Giant" Incubators have everywhere given as good results as those of Mr. Loughman, and one "Newtown" enthusiast asserts that he experienced but a one per cent. loss of chicks with his Newtown Brooding System.

See the "Newtown" display on the Million Dollar Pier at Atlantic City during August. A thorough inspection of it and the Newtown Brooding System will prove to you that the "Newtown" has very valuable and exclusive features not equalled by any other equipment.

Let us tell you more about "Newtown" Incubators and Brooding Systems. Write today for our Incubator Catalog I and Brooder Catalog A. Compare the "Newtown" with any other equipment and we know you'll choose the "Giant" for greater profit and sure success in your poultry raising.

**NEWTOWN PRODUCING COMPANY**  
Newtown, Bucks Co., Pa.



of a 32-acre plot in the outskirts of the hustling town, and is already become the center of interest for both visitors and townspeople.

"At present the hatching capacity of the plant is 1,200 chicks every three weeks. Mr. — plans to increase the feathered output to more than 3,000 a week. All the fowls are of registered stock and none but the best will have anything to do with the production of eggs.

"The plan which Mr. — has evolved is one he expects will interest every farmer in the county. He proposes to keep the newly hatched chicks in the brooders until they are a week or ten days old. Then they will be 'farmed out' on shares. Every farmer who cares to join in the wholesale chicken propaganda will be given from 50 to 300 chickens. Then the farmer will agree to raise them under the rules laid down by Mr. —, who will visit the various farms just like a physician to folks visits his patients.

"The marketing of chickens and eggs will be done under the management of Mr. —, who knows that end of the business as well as the running of incubators. Mr. — will

charge the farmers 15 per cent for the incubating and brooding work and the rest of the profits will be divided equally.

"It is my desire to see every farmer in Nueces county availing himself of this opportunity," said Mr. —. "That chicken farm cannot grow too fast to suit me. As fast as extra room may be needed it will be forthcoming. I'd rather see it covering 300 acres than the 32 we have started with. Many farmers have already joined our chicken club, and every one of them is pleased with the opportunity this arrangement affords.

"We cannot only grow better fowls and better eggs under this system, but we can command better prices. Within a comparatively short while I expect to see eggs and chickens and butter leaving by the car load. That will be a proud day for me when it takes place. I'd like to see such a farm in every county of Texas. If such an establishment was located in many communities, Texas would soon become world-famous for its chickens and eggs. Train loads of these delicacies would go out from here to the markets of the world.

"Diversification of crops is the great-

est idea that ever entered a farmer's head. Raising chickens, selling butter and marketing eggs form the cornerstone of diversification. The idea is catching hold," says Mr. —, "and with an enthusiasm that repays me for the trouble and expense of starting the plan. I want to see it spread and already feel assured it has taken a root in Nueces county that will never stop growing.

"I confess that I don't know much about the intricacies of chicken growing and egg producing. That's why I went to Connecticut to get a man who does know. I am paying him a good salary for his knowledge and skill and he is making good."

The reason why this experiment and all similar should be placed one peg lower than Class V is simply that in the latter class the producers are poultrymen and in Class VI they are farmers. They are not by tradition and bringing up farmers (or their wives on whom the burden of responsibility will naturally fall), who have been accustomed to strict poultry notions and likely to be impressed with the necessity of scrupulous care. They are largely cotton farmers from the older black land districts of Texas, and lately settled in a new black land district. What the typical cotton farmer's wife doesn't know about guaranteed eggs and modern commercial poultry requirements generally would fill a big book. There are farmers of endless types in our land, but at the very foot of the series as respects poultry lore are those who are distinctively cotton raisers. Whoever undertakes to teach them how to bring up incubator chicks in brooders, or later to gather eggs with care, will find that it is not as easy as to teach ducks to swim.

The system proposed seems to be essentially like that of Mr. Ellis, of Aurora fame, and may have been copied from it, but the Aurora poultry keepers were mostly either essentially poultrymen before adopting Mr. Ellis' scheme or were at least accustomed to an atmosphere of poultry affairs. This makes a mighty difference.

There will be in the first place a very uneconomical use of time when the manager expert has to ride from farm to farm to show the numerous partners

## More About Germozone

I know a man who bought a profitable poultry farm with 2000 healthy, laying hens and lost 1600 of them within three months. I know another man who bought a 2500-hen farm, producing regularly 100 dozen eggs a day, and within sixty days his egg production had dropped to 8 dozen per day and over 200 hens had died.

It's easy to keep a healthy hen healthy and it's easy to keep a laying hen laying, but it's ruinous to wait until they become sick or until they quit laying before taking prompt action.

On both the above-mentioned farms the chickens had been getting Germozone regularly twice a week in the drinking water and Lee's Egg Maker daily in the food. The new owners "did not believe in feeding medicine to healthy chickens," and had their own notions about feeding, not realizing that cooped-up chickens, in large numbers together, require very different care from the dozen kept in a back yard or the hundred running openly on the farm.

One cannot well disinfect the floors, yards and scratching litter every day, but one can, by use of Germozone in the drinking water, produce an antiseptic condition of both food and drink and also of mouth, throat, crop and bowels.

On our own farm we would as soon think of omitting food as to omit the Germozone water on Wednesdays and Sundays.

Large 12 oz. bottles 50c. New size, one-gal. cans for large consumers at \$3.00 each, equal to eleven bottles. (Express paid for \$3.50.) Sold by more than 10,000 dealers in the United States. Sample bottle, postpaid, 10 cents.

GEO. H. LEE CO., 1101 Harney St., Omaha, Neb., or Los Angeles, Cal.

U. R. FISHEL'S AD in this issue will interest you. Read it.



### Silver Campine Cockerels

### Silver Campine Cockerels

I have 50 cockerels for sale, grand birds, beautifully marked, and now between three and four months old. I guarantee each has been sired by

1912 — Silver King, First Chicago Cock — 1912

Among these are the winners at the 1913 fairs and poultry shows. If interested, write me today.

FRANK E. HERING, South Bend, Ind.

Reference: THE AMERICAN TRUST CO., South Bend, Ind.



how to run brooders, like a doctor going the rounds to his patients.

In the second place, in some cases the chicks given to the care of inexperienced persons will at the age of from fourteen to seventeen days die off like poisoned flies, in spite of the manager's instructions, although as a matter of fact there is no better climate for using brooders than this. The soil, however, being sticky at the locality is not anywhere near as favorable as the climate.

In the third place there is no power on earth that can educate and keep up to the notch in egg gathering, people as they run, without occasional results like those found in the grocery Class VIII, which is the opprobrium of the poultry world. Strict rules and fines may keep abuses within bounds, at the expense of much friction and bad temper, but eggs which are though eatable are not strictly fresh, will be smuggled to headquarters again and again, mak-

ing decidedly high average merit of the whole volume impossible.

The fundamental consideration showing the mistake of the whole scheme is that mixed farming is wrong. Specialization as at Petaluma, and in Class I and II, and that only, will win out. Principal progress in civilization has been made and will continue to be made through division of labor. The farmer who follows orcharding, small fruit raising, dairying, trucking and poultry raising, on top of his regular staple field crops is Jack of all trades. He will do nothing well and will scratch a poor man's back all his life.

The intention of the promoter is worthy of the highest praise. He wants to increase the income of farmers. To do this he advocates a little dairying and a little of this and that, poultry included, so as not to depend exclusively on cotton. Proper equipment and necessary skill will be lacking, much time will be wasted and the

whole scheme simply spells puttering.

#### Class VII

differs from the one just described. The managing of fowls is not under supervision, rules being only made regarding gathering and shipping eggs. These are sent from farms in a wide area in connection with shipping cream to a large creamery. The identity of the producer of each crate of eggs is secured, for he is booked as number so and so, and his number is on the crate. The quality of the eggs is graded for each farm, just as the cream from each farm has credit for its percentage of butter fat. The eggs will average a lower value than in all the classes mentioned because of the distances they generally have to be moved and the periods during which they have to wait for transportation, this last affair being specially serious in warm weather. In a subtropical country the less jolting around the better the yolks

## GREAT COLISEUM POULTRY SHOW

AT CHICAGO, ILLINOIS

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**Our Past Record**—Four of the most successful shows ever held in America. **Our Aim**—The world's greatest poultry exhibition. We have paid more premiums and put on more real down-to-the-minute features than any other show in America or abroad. We lead, others follow. If a feature is good, you will always find us first to introduce it. Nearly every act of the Coliseum show has been followed by other successful exhibitions. Look for our 1913 list; it surpasses all the rest. **No Risk, No Chances, Everything Guaranteed**—We, the undersigned stockholders, pledge ourselves, individually and collectively, to pay every premium offered by us that is won by the exhibitors: Ernest Kellerstrass, Reese V. Hicks, E. E. Richards, Frank Hare, Geo. H. Rudy, Jas. W. Bell, A. and E. Tarbox, D. M. Palmer, J. C. Dinsmore, H. C. Dippel, C. S. Byers, Chas. G. Pape, A. E. Martz, Wm. A. Stoltz, C. C. Coulter, Wm. A. Sibley, Theo. Hewes. Premium list Nov. 1st. Entries close Nov. 25. Your name on a card addressed to the secretary will guarantee that list will be mailed on time.

Theo. Hewes, Secretary

Indianapolis, Indiana



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at prices that will interest you

Now is the time to place your order  
for birds for the early Fall and Winter  
shows. We have them that will  
win.

Our book on Reds tells you **How to Mate  
and Exhibit Reds.** Sent on application.

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will stand up, and in Class I (with which no creamery or other collection system can be mentioned in the same week) eggs are taken from the nests often, put in a cooler at once, and kept iced every minute until they reach the consumer near or remote. Whether by rail or by steamer the cost of shipping two thousand miles will not be over eight or nine cents a dozen in Class I when everything is systematized and working perfectly from the start. When there is a weak spot anywhere as when in Class VII a crate of eggs stands by a can of cream on a platform

waiting for train or trolley car, the eggs will never be high grade afterwards. The strength of a chain is its weakest link.

Regarding the poultry gatherer's wagon going the rounds to a large number of farms, a subvariety of methods not worthy of a class, it only needs to be said that its proprietor runs against a heterogeneous lot of eggs. If he sits down and tests those brought to him before paying for them, the quality of those will be much ahead of those in Class VIII, but although he may reject those beginning to hatch or to decay he cannot reject those slightly stale, and when it must be kept in mind that his cargo is transported on all sorts of roads in all sorts of weather it goes without saying that he can never bring in a load of an average quality better than "just middlin'."

We now come to

#### Class VIII.

There were revelations lately of car loads and train loads of bad eggs outlawed and buried. These were all of them substantially from farmers, not from poultrymen. There are some raisers who are halfway poultrymen; that is, they tend poultry on the side and make it a considerable important branch. As a rule, the halfway sends better eggs to market than the average farmer, and the three-quarter poultry professional sends better yet. The fact that the great mass of eggs comes from the farm not from poultrymen, is mentioned at farmer's institutes and agricultural conventions of various sorts and speakers gloat over it ad nauseam instead of deploring it. Ordinarily, unless collectors' wagons (only a slight improvement) visit the farms, the immense volume of eggs is traded for groceries, the most diabolical feature in the whole of the food supply of the country, bad milk for city babies excepted. The most of the eggs of the land are first bartered for groceries, that's the long and short of it. Glorify the fact in speeches, books and papers, will you? Better mourn over it in sackcloth and ashes. Great movements are on foot in several places, notably in Texas, to abolish the grocery egg trade and have co-operative inspection and shipments of farmers' eggs. The difficulties and expenses of this plan are staggering, but it should be tried thoroughly. At its best it can never lift farm eggs more than from Class VIII to Class VI. They can never get into Class V. Farmers and poultrymen do not behave alike and they never will. The eggs of the former as a class can never enter the charmed circle comprised in Class I to IV, where the consumer of the goods knows the name and face of the producer thereof.

The efforts to better the farmer's methods are praiseworthy. Heaven knows they need bettering. But the trail of the serpent will be there when all is said and done. When an article is of such a nature that a lot comparatively bad, in Jones' basket, brings the same price as the lot comparatively good in Smith's basket, and nobody under heaven can ever know which is which, then Jones will never worry about it, no never.

The attempts to stop by law the enormous loss occasioned by bad eggs are to be commended, but have accomplished comparatively little as yet. In some states which prescribe heavy penalties for the farmer who sells bad ones to

the grocer, and to the latter who re-sells to the wholesaler or packer, the law is as harmless as water on a duck's back. The farmer or his wife bringing eggs to the grocery and taking pay in goods knows well enough that the grocer will not offend a customer and lose trade by sampling and then appealing to the fresh egg law. Far be it from him to commit financial suicide. He puts the eggs from Tom, Dick and Harry into the same box. He will never know who brought him the bad ones and he does not want to know.

Good and bad are sold by him at retail, or perhaps shipped to a wholesaler. The grocer pays the farmer a low price and in trade at that, on the doctrine of probabilities, that is, it is understood that there are probably bad ones, but also good ones, and all that is necessary is to keep the price low enough so that the good will offset the bad.

Now the very poorest grade of eggs are not those of the grocery. There is yet a lower grade of infamy comprising carefully selected bad ones warranted to pop by force of imprisoned gases and used to pelt unpopular orators with. But, ordinarily, unsorted, uncandled grocers' eggs can be considered the acme of badness.

**SILVER WYANDOTTES**  
THE BEAUTY & UTILITY BREED  
THE BEST WINTER LAYERS  
STOCK FOR SALE AT ALL TIMES  
NO EGGS NOR BABY CHICKS  
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Dr. LeGear's Dip and Disinfectant keeps your poultry houses free from lice. There is a remedy in Dr. LeGear's list for every poultry ailment.

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### Bloodsucking Mites

are the hot weather scourge of the poultry yard. Kill the pests before they ruin your flock. Use

PRATT'S LIQUID LICE KILLER  
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Guaranteed. Dust the fowls with  
Pratt's Powdered Lice Killer.  
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The Insecticide Law requires the plain printing, on each package, of the amount of inert material used, or the material which the Government considers of no value for insecticidal use. Every purchaser of an insecticide should consider this point and should see that the Insecticide guaranty is given by the manufacturer on every package.

**Lee's Lice Killer** contains only 3 per cent inert matter (water). Others contain from 10% to 80% inert matter. Used for poultry and hogs. \$1.00 per gallon.

**Lee's Dip** contains less than 10 per cent inert matter (water). Others, from 10% to 30%. Used for killing lice, etc., on horses, cattle, hogs, sheep, dogs, etc.; also as a disinfectant.

**Lee's Insect Destroyer** (powder) contains less than 10 per cent inert matter (Fuller's Earth, used to prevent caking). Others, from 25% to 90%. Used for chickens, pet stock, vegetables, etc. 1½-lb. package for 25c, 3-lb. package 50c.

**Lee's Flyo-Curo** contains no inert matter. Others, 10% to 75%. Best to keep flies and mosquitoes from horses and cows. \$1.00 per gallon.

This is one reason why the Lee Line is outselling all others and especially accounts for the great increase in sales since the Insecticide Act went into effect. We give greater value to the consumer, better formulae, always strictly maintained; less inert matter; in most cases a bigger package for the money.

The Lee line of Foods, Insecticides and Remedies is sold by more than 10,000 dealers in the United States and in many foreign countries. If not at your town, send for latest poultry book and name of nearest agent.

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or Los Angeles, Cal.



# QUESTIONS AND ANSWERS

Questions will be answered in this department only when full name and address is signed by the writer.

Conducted by

Prince T. Woods, M. D.

## Skin and Legs Bleach in Adults.

Q. Why do my White Plymouth Rocks, while in the best of health and laying, have the yellow color of beaks, shanks and toes fade or bleach out to a dingy white?

As little chicks they were yellow enough in skin, legs and beak, but they faded as they grew up.

This year chicks descended from my old birds, above referred to, with only a few exceptions have the desired yellow, and these exceptions are pinkish or flesh colored.

My birds are fed dry rations, including bran, yellow corn meal, oat meal, middlings, bone meal, calf meal, beef scraps, wheat, oats, kafir corn, buckwheat, cracked yellow corn, alfalfa meal, and in addition to this they have green clover, lawn clippings and sprouted oats. These things are varied according to their desires and according to season.

Birds are all strong and vigorous and grow faster from the start than any chickens I ever had. They are line bred stock, but I do not think too closely bred. Would like to hold the yellow color in legs and beaks if possible.

C. T.

A. It is a common fault of all yellow legged white varieties that some specimens will bleach or fade in color of skin, legs and beak after reaching full maturity, and some few are off-colored from hatching time on. Comparatively few hold the rich yellow color until two-year-olds. You can blame it on atavism.

By careful selection and breeding only from those which hold the permanent yellow and the constant introduction of new blood of the right sort (with the yellow), usually bringing in the cross from the female side, you may be able to get a flock that will hold a large percentage of permanent yellow, but the chances are that you will sacrifice dead white in the plumage and get a creamy tint.

Bare, dry, sandy runs help to bleach legs. Running in the grass when wet with dew and rain helps to hold the yellow, as also does feeding an abundance of fresh greens, but you can't hold it long without selective breeding.

## Concrete Blocks for Poultry House.

Q. Am putting in a foundation for a Woods' open-air house 20 feet deep by 64 feet long, to be divided into three pens. The man who is doing the work manufactures hollow concrete blocks 8x8x16 inches and wants me to build the house of these blocks, putting on same a roof of dressed and matched lumber covered with 3-ply roofing. Am fearful that this would make a damp house. Can you give any information?

Colorado Springs, Colo. W. A. S.

A. Have not used concrete blocks. Do not believe house would be damp, but believe house of wood would cost less and be more comfortable.

## Wants Large, Quick Growing Chicken.

Q. I have just started in the business of growing roasters and broilers for

market and would like very much to know of a breed of large chickens that grow fast. I have selected the Barred Plymouth Rocks and White Rocks and want another profitable breed. H. L.

Montgomery, Ala.

A. For broilers you will find Plymouth Rocks and Wyandottes very satisfactory. We think the 'Dotte makes a quicker and plumper broiler. They stand forcing very well. The Rocks make fine large roasters. For extra heavy and quick growing roasters a cross is usually preferred. One of the best is the Light Brahma male on very large White Rock hens. Cockerels intended for large roasters should be caponized. They make better growth and stay soft for a longer time.

## Infectious Disease.

Q. I have some fowls that are sick. One cock was sick only a day and a half and died. One hen was sick and we cured her with pepper tea and copperas. We have another that has been sick for a week and does not seem to get any better or worse. She has the same symptoms as the others, except that she is also swollen about the eyes. They act droopy and stand around and sleep most of the time. The discharge from bowels is green and whitish and a little watery. They will not eat but

very little. I expect it would be better to kill them, but they are very valuable and would like to save them if possible. Please give some remedy. E. E. M.

Leader, Colo.

A. In cases of infectious disease such as this appears to be it is usually the wisest course to kill the sick birds and burn the bodies before the infection spreads to all of the flock. If you must attempt treatment keep them apart from any well birds. Give each specimen one-fourth of a teaspoonful of epsom salts dissolved in a tablespoonful or more of water. Afterward mix ten grains of calomel with two quarts of their drinking water and allow them no other drink. Feed on easily digested soft food only for a few days until they improve. Clean up and thoroughly disinfect the poultry houses and runs.

## Going Into Poultry Business.

Q. (1) I am contemplating going into the poultry business and would be glad of any information and suggestions that you can give me on the subject. Please give an estimate of the cost of feed, etc., for a flock of 2,000 hens, where all feed is bought. Also a fair average of the number of eggs per annum such a flock should produce.

A. (1) Cost of feeding will vary from \$1.25 to \$1.75 per bird per year, according to management of buying, feeding, etc., and the variety kept. If you get an average of 12 dozen eggs per hen per year you will be doing very well; 10 dozen per bird will come nearer the average for flocks of that size.

Q. (2) What plan of buildings would you suggest and what number would it be advisable to house together? Would you suggest erection of a number of

# French's Poultry Mustard

The Original Poultry Mustard—Absolutely Pure—Patent Applied For

## For the Moulting Season

Its superior qualities and benefits are most noticeable, "Use it freely during the moult." Rapid moulting like rapid growth are both essential for best results. Use it now.

## Old and Young Thrive on It

Experiments here and in England have proven its value. It is used and recommended by thousands of poultrymen. It is not the amount of food a hen eats, but the nutrient, she extracts from food by the digestive process that supplies all nature's demands and produces eggs.

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French's Poultry Mustard is a scientifically manufactured article containing the flours of different mustard seeds so blended to produce the greatest strength in the volatile principle that is desired, and is required to produce the fortunate results arrived at by the users. We regret there are imitations and inferior brands offered so see to it and accept only "FRENCH'S."

A teaspoonful to six to twelve fowls fed daily in dry or wet mash. Booklet for the asking.

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Amenia, N. Y., July 10, 1913.

The R. T. French Company, Rochester, N. Y.

Gentlemen:—French's Poultry Mustard has given me most satisfactory results, have used it two years through the moulting season and am pleased with its value as a stimulant during this period and an aid in rapid moulting, restorer of energy and an assurance of greater egg production. I fully believe there is nothing just as good as "French's Poultry Mustard" for fine birds and greatest possible results. The "Ringlets" are better than ever.

Yours very truly, E. B. Thompson.

French's Poultry Mustard is sold by dealers everywhere. If your dealer does not handle it, send us his name and we will fill your order direct. French's Poultry Mustard is sold at 20 cents per pound in six and ten-pound boxes and 25-pound kegs. Sample package, 1½ pounds, 35 cents.

The R. T. French Company, Dept. A, Rochester, New York



pens or one large building with several pens screened off? Should a heating plant be installed in house for winter and at what temperature should the house be kept?

A. (2) Would prefer open-front colony houses arranged at convenient distances so that complete circuit of buildings will bring attendant back to point near starting point. Houses 20x20 feet, economically built at first cost not to exceed \$1.25 per bird housed. Such house would comfortably house 100 layers and in fall might be made to accommodate from 125 to 150 birds until final culling. Houses single walled. No heat in laying houses.

Q. (3) What particular breed or breeds do you recommend as the best layers?

A. (3) It is largely a matter of your personal preference. All of the American varieties will give a satisfactory account of themselves and the popular Mediterranean and English varieties lay well.

Q. (4) Do you consider the proposition a profitable one? I have been advised that where feed has to be bought there is very little profit in it.

A. (4) A properly managed commercial plant should yield a comfortable return on capital and labor invested. Best returns are to be had on a plant which is operated and managed by the owner, with the assistance of low-cost laborers. A 2,000-hen egg farm should yield the owner, who gives all of his time to it,

## THE AVERAGE HEN

lays 80 eggs per year. Treated with "OCULUM", she will lay 120. Dollar bottle sent on trial this month. Pay if it pleases you. "Oculum", Box 3, Salem, Va.

## DIRK'S RED MITE KILLER



One application kills all mites and prevents their reappearance during the season. Keeps fowls free from body lice. Makes scaly legs bright and clean. Keeps lard, pastry and sweets free from ants. Write today for special trial price.  
**M. E. DIRK, Box 102,  
North Baltimore, Ohio**  
Marshall & Marshall, Niagara Falls, Ont., Distributors for Canada.

an income of not less than \$2,000 a year to pay for his own services. With no larger plant he should be able to do with very little hired help. Success depends almost wholly upon the man. It is not a get-rich-quick business.

Q. (5) Would 110 miles from a city of 500,000, with several smaller cities closer at hand, be a suitable location for such an enterprise?  
H. G. H.

Detroit, Mich.

A. (5) If the land selected is suitable and favorably located otherwise and if the cities afford a fairly good poultry and egg market, with good transportation facilities, yes. As a rule the nearer you are to a big city, the better the opportunity to market produce at a good price. Some locations less than 50 miles from a big city are not favorable because of difficulties in marketing the product.

### International Egg-Laying Contest.

Q. When and where will the next international egg-laying contest be held? To whom shall I write for particulars?  
Burkeville, Va. M. F. R.

A. Connecticut Agricultural College, Storrs, Conn., has announced an "International Egg-Laying Contest," the "third annual competition," to begin November 1, 1913. Particulars may be had of Prof. W. F. Kirkpatrick, Storrs, Conn.

We understand that the Philadelphia North American will start a contest at the same time, particulars of which can be had by addressing the North American, Philadelphia, Pa. Missouri Experiment Station, Mountain Grove, Mo., is also expected to continue its laying contests.

### Long Wing Feathers, Droopy Chicks.

Q. Please give cause of trouble with chicks about one month old; they stop gaining, wing feathers grow long and the chicks droop. No lice can be found on them. Their quarters are clean. They have plenty of good grain and

drinking water.

Subscriber.

A. You do not feed enough animal food. The chicks need beef scraps, milk curd, more bugs and worms, etc. Also should have an abundance of green food and be given a good-sized grass run.

### Blood Spots in Infertile Eggs.

Q. Would like to know the cause of blood spots in infertile eggs. Am under the impression that this trouble is very uncommon. My cock has been out of the pen for four weeks and I have had an egg nearly every day with blood spot in it.  
M. H. A. B.

Dichland Centre, Pa.

A. Blood spots in eggs are of very common occurrence. The fertility or non-fertility of the egg does not necessarily have anything to do with the case. The spot of blood is due to a tiny drop of blood from some ruptured vessel, usually occurring at time when yolk is released from the cluster. If you will investigate anatomy and physiology of egg organs you will be surprised that the tiny-clots do not occur more frequently than they do. Such blood spots do no harm, except that eggs containing them should not be included in high quality table eggs for sale, as it may lose custom. The egg is perfectly good and edible. Where a hen regularly lays eggs containing large-sized blood spots, it is a wise plan to seek her out and market her, as she is not liable to recover from the slight abnormality of her egg organs which results in constant recurrence of blood spots. The presence or absence of the male bird will not make any difference, except that sometimes a clumsy, heavy male may injure a layer and the result be shown by blood in the egg.

### Unsatisfactory Laying by Cornish

Q. I recently purchased a pair of Cornish Indian Games, claimed to be pure bred. At seven months old the pullet began laying and laid four eggs, then skipped two days, then laid two

# THE WILLOWS FARM

## "Frost White Strain"

We Breed  
**S. C. W. Leghorns**  
Our Birds Always Win  
New York 1911      Chicago 1912  
Specialists in Show Birds

We are now conditioning the winners for  
**The 1913 Fairs and Winter Shows**  
We Can Please You    You Can Win  
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Write Us Today Just What You Want  
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Lock Box 488,    South Bend, Indiana  
Reference—The American Trust Co., South Bend, Indiana



eggs and then skipped two more days and got broody. I broke her up and since then she laid four eggs and then quit. She has good range and plenty of food, but does not lay. What is the matter with her? I feed plenty of milk, table scraps and cabbage, besides grain. Evergreen, Ala. C. B. A.

A. Probably you have been too good to her and fed her too liberally on table waste, which has resulted in her putting on an oversupply of internal fat. She should lay better. Cornish, however, are not classed among the heavy layers, and some of them are apt to be sluggish producers, though we have seen representatives of this variety that were very creditable layers.

#### Wind Puff.

Q. (1) Am very interested in the Questions and Answers Department and would like to have these questions answered. I have chicks running on free range with the hen. Some of these chicks are troubled with wind puff, the skin fills up with air. I prick it open and let the air out, but it comes back in a day or so. Have lost a few chicks.

A. (1) The cause of wind puff is not well known. It has been attributed to disease of lungs and air sacs, with escape of air into the tissues. In cases we have observed we believed the chief cause to be debility and malnutrition. It is not infrequently observed in chickens following operation of caponizing and in cases where there is no apparent injury to lung tissue or to air sacs. Such cases generally recover if a V-shaped puncture is made in skin to allow air to escape. Wind puff chicks seldom make good growth when the "puff" occurs in birds that have not been operated on.

The remedy consists of good care and good food.

Q. (2) Are broody hens fit for food? Cincinnati, O. C. N.

A. (2) Yes, if fat and in good order, as they usually are at the beginning of broodiness. When they have been broody a long time and begin to thin down, we would not care to eat the flesh as it is not in "good order."

#### Remarkable Precocity.

Editor A. P. J.: I have a remarkable pullet bought of Pittsfield Farm, April 22, 1913, and received April 24th. She was eight weeks old on arrival. She began to lay Friday, June 6th. I would not believe it and so lost a week in unbelief. Friday, June 13th, I cleaned out a nest and three of us watched her until she laid an egg. She has laid regularly every day since. She was really only 14 weeks old when she began laying, and it was not until six days later that I had positive proof. She weighs two pounds and twelve ounces and seems like a little broiler, but she shells out eggs like a veteran. If there are younger layers of the Barred Rock variety I would like to know it. She is a great feeder and always goes to bed with a full crop. The joke was on me at first, as when my chicks were received I thought she was a cockerel; she was lighter than the rest in color and looked like a cockerel to me. As she was singing and fooling around the nest several days before I found out she was a pullet, I was going to write the farm and complain that they had sent me a fool cockerel for a pullet. She laid today, June 16th.

Marshall, Mich. J. S. Cox, Sr.  
(If there is really no doubt about the

age of this pullet she is certainly a freak of remarkable precocity. It will be interesting to know how she develops.—Ed.)

#### Scaly Earlobe.

Q. I have a R. I. Red cockerel and lately there has appeared on his earlobe and wattles, on one side of head only, a sort of white scurf. The heavier part of it will scrape ok. It resembles the after-effect of frostbite, somewhat. What is it and what the remedy?

Onaway, Mich. C. D.

A. The trouble may be parasitic, or the scale may be due to blistering with kerosene or lice-killing liquid. In either case, cleanse the parts with warm soapy water and apply unguentine. You can obtain same in tubes from your druggist.

#### Duck Rations Wanted.

Q. Will you kindly publish in A. P. J. good rations for feeding Indian Runner ducks?

R. E. B.

Ivor, Va.

A. The following rations quoted from "The Poultryman's Formulary (by Woods) are excellent:

#### Ducklings Under Four Days Old.

Wheat bran .....1 bushel  
Corn meal .....1 peck  
Low grade flour.....1 peck  
Fine grit .....2 pounds

Mix into crumbly mash with cold water and feed four times a day all they will clean up in twenty minutes.

#### DUCKLINGS FOUR DAYS TO FOUR WEEKS OLD.

Wheat bran .....1 bushel  
Corn meal .....1 peck  
Low grade flour.....1 peck

U. R. FISHEL'S AD in this issue will interest you. Read it.

# 4

## OYSTER SHELL, \$1 A TON

Five pounds of our Prescription No. 4 contains more egg shell material than a ton of oyster shell. Its use makes eggs a certainty. Feed according to directions and it will save all the cost of beef scrap, charcoal and grit. Feed now and it will insure your hens an easy molt. Feed continuously and your eggs will insure such vitality that White Diarrhoea will be unknown in your chicks at hatching time. Guaranteed to prevent and cure egg eating. Five pounds \$1 and your money back if not satisfied. Trial carton 25c. Sample 5c. Remedy circulars and our profit-sharing coupon free.

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BREEDERS OF THE TWENTIETH CENTURY DUAL PURPOSE FOWL

## Wonderful Leghorn Offering

During August we will hold our annual clearance sale, which will include many of our New York and Atlanta winners.

1,500 S. C. White Leghorn yearling hens.....\$1.75 each  
1,000 S. C. White Leghorn two-year-old hens...\$1.50 each  
500 S. C. Buff Leghorn one and two-year-old hens from.....\$1.75 to \$2.50 each

Deduct 25 cents per bird from the above prices for orders of 100 or more.

Also a fine lot of young exhibition stock in perfect condition for early fairs—prices for show stock on request.

This entire lot is line bred for heavy egg production, and will make ideal breeders for the coming season as they are large vigorous birds of true Leghorn type.

Can you afford to miss this great opportunity? Order at once for they will not last long.

Monmouth Farms

J. C. Punderford, Owner  
Thos. Lockwood, Supt.

Box 23, Freneau, Monmouth Co., N. J.



Fine-ground beef scrap.....3 pounds  
Fine grit .....1½ pounds

Beef scrap should be scalded before mixing with grain. Mix mash with cold water. Feed four times a day all they will clean up. Give cut green clover, fresh cut rye, or cabbage freely.

**DUCKLINGS FOUR TO SIX WEEKS OLD.**  
Wheat bran .....3 pecks  
Corn meal .....1 peck  
Low grade flour.....1 peck  
Fine grit .....1 pound  
Fine-ground oyster shells.....½ pound  
Scalded beef scrap.....3 pounds

Mix in 10 per cent fine cut, fresh green food. Mix mash with cold water; feed four times a day all they will clean up.

**DUCKLINGS SIX TO EIGHT WEEKS OLD.**  
Wheat bran .....1 bushel  
Corn meal .....1 bushel  
Low grade flour.....10 quarts  
Beef scrap .....12 pounds  
Fine-cut fresh green food.....1 peck  
Grit .....3 pounds

Mix into crumbly mash with cold water. Feed all they will clean up three times a day. Keep oyster shell before them.

**DUCKLINGS EIGHT TO ELEVEN WEEKS OLD.**

Corn meal .....1 bushel  
Wheat bran .....2 pecks  
Low grade flour.....2 pecks  
Beef scrap .....10 pounds  
Grit .....2 pounds

Mix into crumbly mash with cold water. Keep oyster shell always before the birds. Feed green food with the mash at first, then less freely until within ten days to two weeks of market time. Then omit green food altogether.

**LAYING RATIONS FOR BREEDING DUCKS.**  
Wheat bran .....1 bushel  
Corn meal .....1 bushel  
Beef scrap .....10 pounds  
Low grade flour.....1½ pecks  
Boiled vegetables, turnips, beets or potatoes .....1 peck  
Scalded cut clover or clover rowen, green rye or cabbage.....1½ pecks  
Grit or sand.....3 pounds  
Above mash should be mixed with

cold water and fed night and morning. At noon give light feeding of cracked corn and whole oats. Keep fine grit, fine ground oyster shell and pure water always before the birds.

#### Disinfectant for Soil.

**Q.** What do you think of blue vitriol solution as a disinfectant for such parts of poultry runs as can be reached only with difficulty? Would it be a good thing to spray on a weak solution and spade it in?  
J. D. N.

Albuquerque, N. M.

**A.** Would not care to use copper sulphate in that way. A 2 per cent solution of sulphuric acid in water would be better and cheaper. This might be followed later by scattering slaked lime over the soil and spading that in. It is well to put the lime on just before the ground freezes in the fall and to spade it in just after the spring thaws. The weak sulphuric acid solution is good for warm weather use.

#### Worms.

**Q.** I have been losing hens from worms. I have Leghorns and Orpingtons. On examination I find a small hair-sized worm in the intestines. One had worms nearly the size of the lead in a lead pencil and about three inches long. I have tried santonine, turpentine, castor oil, and so far have only saved one. Their feathers seem to get loose in a few hours after they get sick and one would think they had been scalded. If one lives a day, which is seldom, it becomes so offensive you can hardly go near it. I saved one with turpentine and ginger tea. Gave the well ones a dose of turpentine in the mash. Some act as if they had limberneck. I found the worms in large numbers.  
Hot Springs, Ark.  
D. P. C.

**A.** You have a big job ahead. It will be necessary to treat all your fowl for worms and to thoroughly disinfect your poultry quarters and keep them disinfected regularly until several weeks after the last worm symptoms are gone. As long as they can scratch

about in droppings and litter that are infected by hens harboring worms they will continue to develop worms from contaminated food and drink. Use a 2 per cent sulphuric acid solution freely to spray poultry house, floors and runs. Burn all droppings daily. Burn up all litter and nesting material. Use no litter while treatment continues, keep floors sanded and use planer shavings in nests.

Starve the flock for 24 hours. Then give each bird a dose of one teaspoonful of turpentine mixed with two tablespoonfuls of sweet oil. Introduce this into the crop directly with a long-nosed syringe, that has a nose easily passed down the gullet. Follow this within about an hour with a moist mash containing one-fourth of a teaspoonful of epsom salts to each bird. The following day let them have sour milk seasoned with ginger and give a daily moist mash containing chopped garlic bulb. If any worms are noted at end of week, repeat the treatment. If any seem weak after purging with turpentine and oil, or following the mash containing salts, give them warmed milk seasoned with ginger. Don't scald the milk.

#### Lay Soft Shelled Egg and Then Die.

**Q.** I had four good laying hens. After laying well they suddenly laid soft shelled eggs and in about twenty-four hours after that died. I feed plenty of good food.  
A. W.

Smithport, Pa.

**A.** It would require a careful post-mortem examination to determine cause of death in these cases. If all died about the same time and with the same symptoms, would suspect poisoning.

#### Molt of Yearlings.

**Q.** I want to keep over about 200 of my yearling hens for another laying season. Is there any particular ration that can be fed from now on, and during the molting season, that will shorten the molt? Some advise linseed meal fed during the molt, and one in particular recommends a mash containing one



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I now offer the finest early hatched exhibition Barred Plymouth Rock cockerels and pullets that I have ever produced. They show elegant size and shape, fine heads and deep narrow sharp clean cut "Ringlet" barring—they are my richest New York first prize blood of 1913.

**These Birds Are Ready to Win at the Fairs  
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The demand for early show birds will be enormous this year and I strongly urge you to place your order as soon as you can. I will hold birds ordered and ship when wanted—the prices will be very reasonable.

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Richly illustrated 70-page catalog mailed upon request, it is full of illustrations of New York winners from life.

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part of linseed meal to four parts of other meals. What would be a good fattening ration for hens intended for market at the end of the laying season?

Denbigh, Va. S. C. S.

A: We don't believe that it pays to attempt to force the molt. Get the hens you intend to keep over out in an orchard or wood lot and let them roost in the trees through the summer and enjoy the shady range. Keep a good hard grain mixture before them and supply good beef scraps, grit, shell and water. If the range does not have an abundance of green food growing on it, then supply all they will eat of fresh greens. You can use a little linseed meal in the mash, but the best results

we ever had with prompt and clean molt were obtained last season from a flock running in the pine woods without shelter and kept supplied with an abundance of greens, a mixture of hard grains and a hopper of scraps, shell and grit. We didn't find linseed necessary. For fattening hens that have stopped laying feed plenty of whole corn and beef scraps. Keep the food before them in hoppers. A mash of equal parts bran, corn meal and ground oats will help, but is not absolutely necessary. We have had very satisfactory results with whole corn and scraps. If in good order at the start, two or three weeks will make them "hog-fat."

short, high and low, to one of rare proportion and dignified from every viewpoint; while the under-barring during the past ten years has been improved at least 75 per cent. These improvements are evident and have been favorably commented upon by all that have eyes to see and are fair enough to give credit where and when due.

#### Why Change Now?

After all these years of breeding along the same general lines as now and with results attained, what good reason have we to make any changes at this time? I would answer that "Positively none," I believe, and with the best of reasons that we are rapidly nearing the goal of perfection in the Barred Plymouth Rocks. I believe that we are on the right breeding track to better things and to the greatest possible success with this variety. They are breeding true to shape; they are breeding true to the color and barring desired; their practical qualities have been improved; they grow and mature faster and lay more eggs today than ever before; they are more popular and are bred to a far larger extent than ever before, and they are now bred to a higher general state of perfection than any breed known. The original breeders and the makers of this variety well knew their possibilities and, thanks to them, they arranged accordingly.

#### The Breeding Question.

The greatest of all questions in all live-stock classes, and the one we really know less about is that of breeding. Nature has its hidden laws that we have failed to properly grasp fully, while it is true that we have succeeded to a large extent in breeding, there is still much for all to learn. The results attained of one, two or a dozen years prove but little; tests carefully made often contradict themselves, but we do know that no two birds are constituted just alike in breeding value, and by the time we do find their strong breeding points they usually die. We have seen two cockerels bred that were full brothers; the one did produce most excellent females, but never a male worth over twenty cents a pound, while the other produced excellent males and ordinary good females. They were bred for two years and with change of mates, but with the same results. We have seen this same condition time and time again and with White Rocks, Leghorns, etc., as well. This same condition is

## The Barred Ply. Rock Question

The Present Standard Has Proven Popular and no Radical Changes Needed Now. *By H. P. Schwab*

WITH the revision of the Standard near, particular interest as usual centers in the Barred Plymouth Rocks. All varieties have their champions and all have their knockers, and in this latter respect the Barred Rocks surely have their share. There are always some who seem to think they were made to change things and that nothing is just right and proper unless it is according to their will and their personal interests, and if we are to believe all we hear, the changes now proposed are most radical and positively foolish, to say the least. It is evidently a habit with some to propose changes, then seem never to be fully satisfied with conditions as they are, probably for the reason that they fail to grasp the real value of the law and to properly understand the breeding questions.

We have every reason to believe that the truly great breeders of this age, without exception, are well satisfied and content with the Barred Plymouth Rock Standard as we now have it. The quality of their stock and the most evident progress made the past years absolutely prove the Standard requirements as now had to meet all the demands for quality breeding and for future progress.

#### The Standard the Law.

The Standard is the common law for us all; it is the guide to follow, and

thousands upon thousands of breeders throughout this land have vital interests in sustaining it. These interests are of value to them, as they represent investment, in many cases livelihood, pride and love for the fancy, and when we consider Standard changes we have the two-fold duty to consider these interests as well as that of the variety and breed. Therefore let us look well into all propositions of changes, and let them be well tested and proven before we adopt them. We can't go back, our aim is forward, but only so when assured that it in fact is forward and of benefit to all the breeders in general and not only one or two.

The Standard as we have it today in general demands is practically the same as it has been for thirty years or more, for all this time, and year by year, substantial progress has been made, and in particular during the past ten to fifteen years. It has taken most of this time to build the foundation of the breed as the originators desired, and when that was had to a proper degree the results have followed more rapidly than we dared hope for. From the wide open-barred birds to the narrow, from the broken center and curve-barring to the straight across barring, from the frosty edge and white tipping to the sound dark end-bar, with evenness of surface color, from all shapes, long and

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(I HAVE NO OTHER BREEDS)

My strain won every prize and special offered at the world's greatest show, Madison Square Garden, New York, January, 1913. My individual winnings were: Cocks 1-3-4-5-6; hens 2-4-5-6-7; cockerels 1-2-3-6-7; pullets 1-3-5; pens 3-5; Elmhurst trophy, value \$150.00, for best display; New York State Cup, value \$50.00, for best display; New York P. & P. A. Special, value \$25.00, for best display. N. S. C. W. Leghorn Club special for best display; special for best cock; special for best male; special for best shaped male; special for best colored male; special for best headed male; special for best cockerel; special for best pullet; special for best female; diploma presented by A. P. A. for best cockerel. In fact, for the past ten years, my strain has won in every show of any note in the United States and Canada. They are the standard for all the Leghorns of America, and the greatest layers of all varieties of domestic fowl. (Remember you cannot win without my strain.) Mating list free. Address

D. W. YOUNG

MONROE, NEW YORK



also found in the females. There are those when properly mated will produce the rare males, and if not rightly mated will fall way short of reproducing their own quality. This same question confronts the breeders of all classes of live stock alike. In this is found the object of small matings and more of them. We did not intend this for a breeding article and only mention these facts to impress our readers with the objects before us and to plead for the future safety of the breed we all love so well.

Yes, indeed, we have much to learn along these lines. The lessons of the past thirty years are invaluable to us and as time goes by we can hope to do better if we adhere strictly to the principles we have followed with success so long.

#### Under-Barring.

It is now proposed to eliminate "under-barring." The proposer says it is not natural to have under-barring and refers to wild birds, etc. The Barred Plymouth Rock is not a natural variety in that same sense. They are a made-to-order variety, as everyone knows, and mingled in them is the blood of a dozen or more breeds and varieties, if we can believe their history, and we do. They are the result of crosses made, and it has been amply proven that they can be bred with under-barring just as well and easy as without it. We know that in one or two lines it is difficult to get proper and consistent under-barring, but that is only a condition that confronts those breeders alone, and it is up to them to try to find the cause and to breed it in their line, as the Standard demands it, and not to decry it.

Under-barring has its value and pur-

pose, in fact we know of no quality that is as essential or of more importance to the general quality and breeding value of the Barred Rock than is under-barring. We have written of this many times before and have fully given our reasons of knowing its value, and the only reply I have seen made was by an eastern breeder who said it was of no value, but he failed to back his statement with facts or even any reasons whatever.

Under-barring has a thousand reasons for existing in this variety, for it really controls every feather and every bar on every specimen. It casts its strongest effect on the surface color and barring. The brightest and snappiest surface barred birds always excel in under-barring. Go to the great shows where the best specimens bred are seen and you will find that eighteen out of the best twenty birds seen in each class also excel in under-barring; you will very rarely see a bird with good under-barring that does not carry that feature the entire length of the feathers, and with good tips and little or no intermingling of color. Cloudy under means a smutty surface every time.

Ask the men who have made a pronounced success of breeding the Barred Plymouth Rocks and they will tell you that under-barring is the choicest and most valuable heritage of this variety. Mr. Victor W. Bradley, of Bradley Brothers, writes (July 10, 1913): The suggestion to eliminate under-barring seems too absurd to claim serious consideration. Mr. E. B. Thompson writes (July 8, 1913): All the good we have in Barred Rock color and barring is due entirely to under-barring. Mr. C. H. Welles writes (July 11, 1913): Un-

der-barring is the Barred Rock's greatest asset; it is positively necessary for proper surface barring and evenness, and so on down the line we could quote from dozens of others to the same effect. Let us always demand consistent under-barring, and with it be assured of the bright, clean and sound surface barring and evenness of color throughout.

#### The End-Barring.

It is also proposed to change the tip to end bar from dark to light. How inconsistent this is. We have been breeding for years to get the end bar dark, and it is only within the past few years that we have been able to get this to a proper extent. To now change and to have the end bar light would take us back over the road we just came and would bring with it the birds with the light necks and saddles and the washed-out wing-bows. It took many years of breeding to erase those defects, and never again do we want them.

#### Other Changes Proposed.

Other changes suggested are to have two Standards, one for the cockerel line and one for the pullet line.

Second—To entirely eliminate the cockerel line and adopt the pullet line as the Standard, etc.

Really foolish, ain't they?

For exhibition to have the male and female match in color made double mating necessary. Their greatest beauty is found in having them match each other in color, so what possible use would we have from two Standards? Double mating is no hindrance, nor is it solely applied to this variety, and if it was, why should we ask of them that which we ask of no other variety?

**U. R. FISHEL'S AD in this issue will interest you. Read it.**

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I have now been among you for several years as an exporter of exhibition stock, and have shipped more winners of the blue to your shows than the majority of breeders during the same period, whilst many breeders abroad hold their present position right at the front to stock purchased from these yards.

All over the world my birds and dogs can now be relied on to win. SAY—Won't it pay you to write where you know you are certain of good value at reasonable prices, and where the stud record of wins at leading events in Europe, Africa and America has won world-wide fame.

I hold a splendid lot of stock at my command, some of the best in the country and can give you the lead right at the front of the shows.

I hope to be among you for the A. P. A. convention at Atlantic City and take your orders in person and hope to have both dogs and poultry with me. Correspondence can be sent the second week in August to me, Poultry Exposition, care of Million-Dollar Pier, Atlantic City, N. J.

Pens of all popular English breeds can be ordered and purchased at my exhibit there throughout the show, but come right along and tell me what you want and I will help you to the best of my ability. Reasonable prices for all. Agents wanted.



The successful breeders today of all varieties double mate their birds, so that this question, as many suppose, is not confined to the Barred Rocks. The solid colored varieties, as the White Rocks, the White Wyandottes, White Leghorns, etc., are all double mated, and why? Read again our notes on the breeding question and find your answer

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FENTON FARMS, MT. CLEMENS, MICH.

there. As long as nature gives to different birds the particular strength of either male or female production, and but very seldom the gift of both to any one specimen, just so long we will have double mating, and no breeder will accept that as a drawback as long as he can produce quality birds. The question is to produce quality, and nature's laws must regulate; man can't.

### The Cockerel Line.

To eliminate the cockerel line and to adopt the pullet line alone is the rank-est suggestion of all. Permit me here in closing to review these lines as we have them today.

The cockerel line and its progress is very pronounced. The results of this mating when properly made and of line bred birds has been most gratifying. The breeders can confidently expect and get a very large per cent of birds true to form and color from this mating in both males and females; the males are of the exhibition shade, while the females are a shade darker as a rule. In these cockerel bred females we also note great advancement, as now being bred. They are clean barred surface and under and the barring is narrow and sharp, but while a shade darker than exhibition color they come better each year and give the greatest possible promise for the future. This cockerel line as now produced matches itself far better than does the pullet line, and we firmly believe that if we ever do have single mating, we can and will get it from the cockerel line.

Females of this line of breeding have been the feature of the great shows for a number of years. At the Chicago Show we are told the judge refused to place some females shown by an eastern breeder who only breeds the cockerel line, saying that they were too bright and good to produce fine cockerels. If this be so, then I say that we have the single mating before us now and can with a few more years of breeding have it in fact from the cockerel line. I have seen these females referred to and also cockerels from the same line. Both have highest merit and as we handled those wonderful females we could not blame the judge for the position he took, as he could not see as we did the value of this line and their possibilities.

### The Pullet Line.

The breeders have every reason to be proud of the progress noted in the pullet line. The beautiful males seen at the shows are attractive, but they are just coming and I dare say that this line is not at this time as far advanced as is the cockerel line. Those beautiful males are rare now, but if the breeders will persist they will get them with regularity and in good numbers. We believe in the proper crossing of the two lines by degrees, and it is this crossing that has made the pullet line what it is today. Some may not care to have me tell this, but it is a fact, and the time has come to speak right out in meeting. A prominent breeder wrote me years ago that if he could improve his birds by crossing a woodchuck he would do so, and I am of the same mind. We want better Barred Rocks and more of them. We want them more popular, but before we sanction radical changes in the Standard we want to be shown. We have bred and loved them for thirty years and have had the pleasure of judging them for twenty-one years, so rest as-

sured that we wish them well and in upholding their present Standard we most assuredly feel that we are working for their best interests, and for their best future.

H. P. Schwab.

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was a mythical hen; but today the product of the American hen is a golden one.

There are greater opportunities in Poultry Raising now than in any other line of business.

Our complete correspondence Course of Instruction in POULTRY CULTURE will train you so that failure in this business is practically eliminated.

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AMERICA'S GREATEST SASH AND DOOR HOUSE  
1479 West 37th Street, Chicago, Ill.



## NOTES FROM ENGLAND

CONDUCTED BY

MISS CAREY, TOYNTON RECTORY, SPILSBY, ENGLAND

### THE POPULARITY OF THE CAMPINE.

ON all sides today people are asking what is all this talk about the Campine, what is the breed, and what are its special points? Tell us more about it, we are interested, and every mail from across the pond asks for description, how to breed, rear and handle the stock, and whether they are a breed that will bring success to their owner.

I must candidly admit that when first the Campine was brought to my notice I paid little attention to the breed. Beside the massive White Orpington they looked but a toy, and for some time I did not interest myself sufficiently to test them and find out what was attracting attention, until the leading Campine yards in the country induced me to exchange a pen of exhibition White Orpingtons for one of Silver Campines, after which it did not take long, once having them in hand, to know their value.

Now we must remember that it would be quite unfair to compare a Campine with an Orpington, since the birds are bred for different purposes; they have different ends to serve, but probably if one hunted the earth over, it would be hard to find a more perfect "second string to one's bow" to fit into an Orpington farm and thus double the profits, than the Silver Campine.

In the Orpington we have a bird bred to meet the needs of the general public who demand an all-around bird. But in this world of ours, perfection in any single animal or bird, is hard to find and just where the Orpington fails when the weather grows hot in early summer, from broodiness, the little Campine steps in and most ably fills up the gap.

It is now well known that this little

bird is of Belgium origin and was imported into England in 1899. At that time, however the male bird instead of being barred like the hen as our English and American standard of to-day demand, carried a white saddle or shawl, giving the bird a far less distinctive appearance.

From the date, however, of the alteration in the Standard to its present form, the breed at that time, none too popular, went steadily ahead, and now we find the Campine clubs some of the strongest in England and before long no doubt will also lead along the front line in America.

Among the many points it would be difficult to say perhaps exactly what forms the distinctive attraction, but to the lover of beauty a flock of well barred Campine pullets is a picture that few fail to admire. Just as with the Barred Rock, so with the Campine, the beauty, however, lies largely in a clear, clean, barring that shows up even in the distance with the white neck and hackle, and dark prominent bright eyes. The bird is a dainty little article, with slender legs and sprightly carriage, with quaint attractive little ways that appeal to all after the heavy and more cumbersome movements of heavier breeds.

As a profit maker it has much to say. It produces an abundant yield of large white eggs, and I fancy it will not be long before the Leghorns will have to face a dangerous rival in the egg-laying competitions. The eggs are pure white and of good size. They lay throughout the year and seldom go

broody; during the moult there may be a short rest, but it is quickly over, so that by judicious hatching, eggs can be supplied all the year round. The heaviest crop in England falls from February to June, and chicks can be hatched and reared with success right up to the end of June for stock and even exhibition purposes.

The youngsters mature rapidly and the cockerels are easily picked out at quite an early age. A little care is necessary when the wing feathers begin to lengthen, but a careful diet of flesh-forming materials and less of the feather-forming seeds place these difficulties at a minimum. They grow well when young, in confinement; in fact, on the whole, I prefer to rear them in confinement until eight to ten weeks old, if possible, and always avoid long wet grass until they are fully half grown. This season, however, in the east of England has been singularly favorable and a grand lot of well-barred youngsters are roaming over the meadows enjoying the sunshine from dawn to dusk.

But what about the Campine as a table bird asks the man who wants to dampen your enthusiasm. In reply we would ask that man, what about a pheasant or a partridge, is it worth eating? Here we come to the very point where, to my mind, the Campine fills a gap in the poultry world. We all love game, but in England, at any rate, game costs money and we can't afford to have it every day, chicken has a flavor of its own and we grow tired, but in the Campine we seem to get a cross in flavor between the chicken and the pheasant. Cooked and served as game and hung about the same time, it has a wonderful resemblance in flavor.

To summarize the points briefly, then, we have a domestic bird to fill the



## YOU WANT TO WIN

### Those Coveted Prizes at Your Fall Show?

We are in a position to supply you with birds that can win and at prices that will interest you.

#### U. R. FISHEL'S WHITE PLYMOUTH ROCKS

Have won the majority of the prizes at **twenty-two largest shows** and **five expositions** which has given them the title to "**The Best in the World.**" Choicest of exhibition birds, selected breeders and utility fowls. Write us your wants please and let us quote you prices. **Special sale list free.**

**U. R. FISHEL : BOX A : HOPE, INDIANA**



place of game on our table, a prolific layer of a large white egg; a prolific hatcher, since from seventy to ninety per cent of the eggs hatch easily, and with all, a bird of real artistic beauty and one not easily bred to perfection in relation to barring, so that a good value can be realized for perfect specimens, and a well barred pen in your possession can be made a very profitable asset.

Space will not permit of my going into the details of breeding and general management of these birds, but if any are interested I will be pleased to answer any inquiries concerning them.

Just before closing this month's letter, I cannot refrain speaking a word of praise for American Poultry Journal's Year Book for 1913, which reached me this week. Here, indeed, is just what we all need—a veritable poultry encyclopedia. If you have not a copy, it will pay you to get one right away. It will help you out of many difficulties.

#### EGG AND POULTRY DEMONSTRATION CAR.

To aid the poultry and egg producers and shippers of Missouri to get their products to the distant eastern markets in perfect condition, the Department of Agriculture is sending its Poultry and Egg Refrigeration Car on a demonstration trip to all poultry shipping towns in the state. The car started a tour, beginning at Hannibal, Mo., June 27th, and expects to visit every railroad egg center of importance.

The car, which is in charge of two government specialists in handling poultry and eggs, is a complete refrigerating laboratory on wheels. It contains two chilling rooms—one for preliminary chilling of warm eggs or poultry and a second room in which to hold the chilled stock. The reason for the two rooms is that if warm poultry is introduced into the refrigerating room it will cause

the poultry already chilled to sweat. The car has its own gasoline engine for running the refrigerating blowers and for generating the electric lights used in the cold rooms. The engine drives a fan the shaft of which pulls air through the false walls and dampers of the car and forces this fresh air through a large bunker of ice and salt. In thirty minutes the blower will reduce the temperature of the cold room to 32 degrees. It will chill eggs to 40 degrees inside of 24 hours.

The car will go to the following other points:

Mansfield, Mo., Monday, July 28th.  
Mt. Grove, Mo., Tuesday, July 29th.  
Willow Springs, Mo., Wednesday, July 30th.  
West Plains, Mo., Thursday, July 31st.  
Fruitville, Mo., Friday, August 1st.  
Winona, Mo., Saturday, August 2nd.  
Williamsville, Mo., Monday, August 4th.  
Poplar Bluff, Mo., Tuesday, August 5th.  
Piedmont, Mo., Wednesday, August 6th.

#### CURRENT NEWS OF THE POULTRY WORLD.

By J. F. Shureman.

The Southern Railway Company has established a new dairy and poultry department for the territory covered by its lines. A special car will be operated, carrying lecturers to give instructions on dairying and poultry husbandry. Carlton Ball, a graduate of the poultry department of the Kentucky State University, will be in charge of the poultry division.

A standing reward of \$25 is offered by the Zanesville (Ohio) Poultry Association for the arrest and conviction of anyone caught stealing poultry from a member of the association.

W. D. Holderman, the well-known and successful Barred Rock breeder of Fort Wayne, Ind., recently shipped a pair of Barred Rock hens to Prof. Carl Ruch, director of the Institute Minerva at Heilbronn, Germany. Mr. Ruch paid \$100 for the two birds and will exhibit them at the national poultry show at Hanover next October.

The Forest Poultry Farm, of Novi, Mich., has filed articles of incorporation. The capitalization is \$6,000 and the stockholders are George P. Brown and William P. Vivian, of Detroit, and Forest B. Brown, of Novi. They will engage in the breeding of poultry.

Some of the big men of New York state are becoming interested in poultry culture. Jacob H. Schiff is building an immense up-to-date plant near Red Bank, N. J.; Stuyvesant Fish is building another at Rhinebeck, on the Hudson, and Frank Tilford, with his daughter, has acquired the big Lakewood Farms at Lakewood, N. J.

A shipment of six cars of live poultry and two cars of eggs was recently made from Altus, Okla., to New York, the biggest single shipment of the kind that ever left that state.

Theodosia Roosevelt, so named because of her evident antagonism toward race suicide, and said to have

been the oldest hen in America, died on April 27 at the home of her owner, Mrs. Elizabeth Grinnell, of Pasadena, Cal. She was 25 years old. The aged hen laid approximately 7,500 eggs during her lifetime and mothered many a brood of chicks.

Fire destroyed the poultry plant at the Maryland Agricultural College at College Park, Md., recently, entailing a loss of \$10,000. The most serious loss was the destruction of the poultry records, all of which were burned. All the young chicks were saved. The buildings will be rebuilt as speedily as possible.

A Plymouth Rock hen belonging to L. T. Sessions, of Latta, S. C., on May 2 laid an egg measuring seven and one-fourth inches in circumference and nine and one-half inches around from end to end, and weighing a fraction less than half a pound.

Prof. James E. Rice, of the poultry department at Cornell University, Ithaca, N. Y., claims to have the prize egg-laying hen of the country in "Cornell Supreme." This hen laid 660 eggs in three years, the total weight of which was 86.19 pounds, or 25.82 times the weight of the hen. "Cornell Surprise," another crack layer, produced 562 eggs in three years. The remarkable thing about this hen is that she laid more eggs each year, laying 180, 186 and 196, respectively.

#### Tolman's White Rocks

Baby Chicks. The Soft Roaster Strain. Joseph Tolman, Dept. H. Rockland, Mass.

#### Barred Plymouth Rocks

of highest quality. Record breaking layers. Write your wants for the early shows. Maple Grange Poultry Yards, S. M. Goucher, Moorestown, N. J.



#### THE "SIGNET" LEG BAND

is in the lead, its the one you need. Price 12-15c; 25-30c; 50-55c; 100-60c. "Silver Tip" Pliers made for putting on bands, price 10c. 3c extra for postage. Mention A. P. J.

W. J. BALL, SALEM, OHIO

#### Grannis Bros.

BRYN MAWR PARK  
YONKERS, NEW YORK  
White and Buff Orpingtons, White Wyandottes, White Leghorns, Single Comb and Rose Comb Rhode Island Reds. Mention A. P. J.

#### CHAMPION ROSE COMB Blk. Minorcas

We have for sale cocks, hens, cockerels and pullets for you to win in any competition. Send us a trial order and be convinced. If interested in this popular breed send for our circular which is free.

Ross Swartout, Newport, Ontario, Canada  
Canada's Foremost and Leading Specialist. Member of American Poultry Assn. and Minorca Club.

**WENDELL INCUBATOR CO.**  
Send for book that will tell you all about our metal lined and metal incased INCUBATOR  
HOLLY MIC.

#### FREE BOOK DESTROY VERMIN

Drop us a post card for our FREE BOOK telling all about our most effective method of killing LICE, ROACHES, BED BUGS, etc. Our method is now in use by over 6,000 hotels and institutions. Write for FREE BOOK. The Insectolene Co., Dept. P, Box 113, Chicago, Ill.

#### Royal Blue Orpingtons Barred Plymouth Rocks

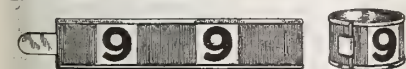
1st Prize New York Winners, 1913

Haldie Nicholson  
Box A Leominster, Mass.

#### SPECIAL SALE

S. C. White, Black and Buff Orpingtons, S. C. and R. C. Reds, Barred, Buff and White Rocks, S. C. White and S. C. Brown Leghorns, White Wyandottes and S. C. Black Minorcas. Extremely low prices on stock. Write for sale list.

Goshen Poultry Farms, Goshen, Indiana



#### COLORED LEG BANDS

Big Black Figures on White Background. All colors, all sizes, for all fowls, and pigeons. Birds identified without handling. Saves time and labor. Baby chick bands 18 colors, not numbered. The best band in the world to-day. Samples and catalog 2c stamp. Mention A. P. J.

A. P. Spiller : Dept. A : Beverly, Mass.

#### ANDREW'S WHITE WYANDOTTES

can win in hot competition. Book your show birds now. Send for catalogue.

J. W. Andrews, Box A, Dighton, Mass.





August, the poultryman's busy month, "keep them growing."

The American Poultry Association will hold its thirty-eighth annual meeting at Atlantic City, N. J., August 11 to 16, 1913.

The convention will be called to order Wednesday, the 13th, at 9 a. m. A good program for the entire week has been arranged and five hundred members are expected to attend.

Several amendments to the constitution are proposed, and these with the revision of the Standard will keep interest and the members busy.

The amendments proposed by Mr. Charles D. Cleveland are particularly worth adopting and we hope they will pass.

The Pennsylvania Branch carries the mantle of Frank De Lancy and proposes to restrict Poultry Journal men from judging and soliciting advertisements at any show. A very similar bill met its fate a year ago at Nashville, and this deserves the same treatment.

We can't help but note that with intended cleverness the original introducer has jumped from under to cover. No doubt he foresees the doom of any and every measure that places a handicap on any man or set of men. Such rules and laws won't work in this free country.

This branch also has a very good proposition to prohibit exhibitors from placing on their coops ribbons won at other shows. This should pass.

The New York State Branch is holding its first mail election. A large and strong list of candidates were nominated and the result is awaited with interest. For president Mr. Robert H. Essex and for secretary Mr. L. D. Howell have no opposition, as we are at least assured of these two reliable and respected officers for the next year.

#### Taken Out Too Soon.

Mrs. Newlywed—These hen's eggs seem very small this morning.

Farmer—Can't help it, lady.

Mrs. N.—Well, let my next ones stay in the nests a little longer.

We just have word from Mr. Charles D. Cleveland, secretary of the New York Madison Square Garden Show, of change of dates. The show will be held December 26 to January 1.

Oh, yes, our fishing trip was a most enjoyable affair and quite successful after we learned from Professor Bell how to thumb the reel. Then with "Old-Top" Ward as guide and instructor we did very well, but who ever thought that it ever reached 99 degrees in the shade way up in Wisconsin?

That the A. P. J. Year Book has

filled a long-felt want is evident on all sides. For reference it is beyond value and we now wonder how we ever got along without a book of this kind. Send your order for one now. With cloth cover, \$1; or with paper cover at 50 cents.

The moulting season is upon us, and the birds need special care and feed at this time to insure rapid moulting. The quicker they moult the better feather and condition will be had. We have every confidence in "French's Poultry Mustard" and recommend it to all as of particular value at this season of the year; in fact, we use it year round and would not be without it.

There can be no question but that hens need a stimulant during the moulting season to repair waste tissues and to invigorate the entire system, and "French's Poultry Mustard" has given us the best possible results the past two or three years. Now you try it.

The society for the prevention of useless noises might make a start by reducing the number of cheers from three to one.

The New York State Panama Exposition Commissioners (Messrs. Drevenstedt, Orr and Schwab) will hold their first meeting at Atlantic City Tuesday, August 12. The commissioners of other States should also arrange to meet there and for a general meeting of all.

Every poultryman should have a colie. They are the dog you can trust and that will guard your birds from all and any danger.

We are pleased to report that the Connecticut Branch has re-elected Mr. C. H. Welles its president. Mr. Welles is one of the breeders that always makes good in any position and his many friends the country over will be pleased to know of his election.

Mr. Welles is and has been mayor of his home town, Stratford, Conn., for a great number of years, and during his spare time breeds those rare "Fluffy-Ruffles," Barred Plymouth Rocks.

This also calls to mind that another well-known poultryman, Mr. George W. Tracey, of Rhode Island Red fame, is now mayor of Kinderhook, N. Y., his original home. I guess the poultrymen are some fellows after all.

We are pleased to report that Mr. George Urban, Jr., of Buffalo has entirely recovered from the accident he met with some time ago. In future he best do his riding in his machine or back of one of his "Royal Black Langshans" instead of those keyed-up trotters of his.

Tell a man that there are 764,591,483,119 stars and he will believe you, but if a sign says fresh paint he has

to make a personal investigation.

The demand at this time of the year for eggs for hatching is surprising. Still there is a reason. Many have best success with late hatched chicks and in some sections they do much better than the early ones.

While away on the fishing trip mentioned we note our friends got busy and sent out circulars and cards regarding candidates for New York State Branch officers. Of course, we appreciate all they did.

The catalogue of the American Barred Rock Club is out and it is a book of interest to all breeders of this variety. The club shows good progress made and we hope it will get out a catalogue of this kind yearly.

#### Dandylines.

He called her "Lilly," "Violet," "Rose" and every other sweet flower that grows. She said, "I can't be all of those, so you must 'Li'lac' everything."

Barred Rock breeders, attention. The revision of the Standard is near and we would wish that you all gave your ideas and opinions regarding the suggested changes without delay. Kindly write the Club Secretary, Mr. H. D. Riley, Stratford, Pa., any suggestions you have to make.

We believe that no radical changes at this time are required and that the Standard as we now have it is about right. The text could be bettered and the values placed on certain sections changed a mite, but beyond that we hope for no change, as the progress made is most evident.

The New York State Fair dates are September 8 to 13. We are assured that the new \$90,000 poultry building will be completed. This is one of the "Great Early Shows" and with a modern building, proper cooping and a good list of judges it promises to be greater than ever.

Again we call your attention to our "Art Department" plan now for your illustrations and special art work and printing and be assured of having it just what you wish it.

We've known some mighty great-hearted fellows who were called "dictatorial" by people who didn't know them.

Never bear more than one kind of trouble at a time. Some people bear three—all they have now, all they ever had, and all they expect to have.

Mr. James T. Huston and the Williamsport, Pa., Poultry Association will put on a free poultry show there during Old Home Week, September 8 to 13. This is a new feature and one deserving of comment. It is hard to get ahead of those Williamsport boys. They are fanciers from the ground up and ever ready to do for the fancy.

The Rochester, N. Y., Industrial Exposition has this year included a full list of classes for poultry. They have one of the best buildings in the country for a poultry show, and this will be a feature.





### Opportunity.

This I beheld or dreamed it in a dream:  
There spread a cloud of dust along a plain,  
And underneath the cloud, or in it raged  
A furious battle, and men yelled, and swords  
Shocked upon swords and shields. A prince's  
banner  
Wavered, then staggered backward, hemmed  
by foes.  
A craven hung along the battle's edge  
And thought, "Had I a sword of keener  
steel—  
That blue blade that the king's son bears—  
but this  
Blunt thing"—he snapped and flung it from  
his hand,  
And lowering crept away and left the field.  
Then came the king's son—wounded, sore  
bested  
And weaponless—and saw the broken  
sword,  
Hilt buried in the dry and trodden sand,  
And ran and snatched it, and with battle  
shout  
Lifted afresh, he hewed the enemy down,  
And saved a great cause that heroic day.  
—[Anon.]

**T**HE VACATION PERIOD is perhaps, more than at any other time the parent's opportunity to bring about a better condition of things in regard to the child's thoughts and habits. True, to be really effective it must be a year-round occupation, but now that the hurry and bustle of getting the children off to school on a certain car, or at a certain hour, is over and we can give more time and deeper thought to the problem.

We are all so entirely a bundle of habits, that it is plain to be seen by any parent that the formation of good habits in childhood is the key to right living. The problem is how it is to be brought about. In the beginning, we must start at the root of things, the child's mind. Give the brain cells something worth while to work on, and the result will be pleasing. With the little tot, simple little games or stories read aloud will do much to bring this about. Stories of bird life, of plants,

trees and flowers. Even the little nursery rhymes of Mother Goose fame, dear to the heart of every child, may be enlarged upon, and the meanings explained in a manner that will give food for thought for many days. The older children should have nature studies that will encourage them in the protection of birds and in the cultivation and care of trees, gardens and shrubbery. For many years thousands of our most valuable birds have been wantonly destroyed by adults, as well as children, until from every part of the country we hear the cry of destruction of crops by different species of worms and insects. In many sections the entire foliage of trees has been stripped by the caterpillar. The work by town or state in lessening such evils cannot be compared to the destruction of these pests by birds. The Chipping Sparrow, that little dooryard bird that nests in the apple tree by your back fence or in a vine on your veranda, can outclass any work yet accomplished by the so-called moth commission. A single one of these birds has been seen to eat fifty-four cankerworms at one sitting. Not alone does she destroy thousands of caterpillars, brown tail moths, tussock moths, but many other kinds of moths and noxious insects. It behooves us to interest the children in the protection of such birds as these. In Massachusetts alone there are more than fifty kinds of birds that feed largely on hairy caterpillars and as many more on the pupae. It is not then to be wondered at that our foliage is fairly devoured by these pests, when according to facts given out by the Audubon Society, ninety per cent of our normal bird life has already been destroyed, and unless we can interest both children and adults in the protection of birds, the other ten per cent will soon go. Here is something in

which every mother and every child could spend a summer's vacation interest, to the greatest advantage to their community. But this would be but the beginning of the good work since it would give the brain cells something to work on.

Idleness is probably the greatest curse of humanity, since it fosters a condition of the mind which favors putting off, instead of accomplishing. The idle brain is the soil in which evil soon takes root and in which it flourishes like the proverbial green bay tree. But idleness in itself is but a form of sluggish thinking and is rather the result of sluggish thought than the reverse. The mind of man is like a garden. From earliest childhood, sow the seeds of right thinking, give the brain something to work on, cultivate and encourage every indication of growth along this line, banish the weeds by encouraging normal growth of the plant. A harvest of good things will be the result. Let it remain a barren waste, neither planting or encouraging growth and weeds will soon spring up and flourish therein.

In the matter of establishing a right mental attitude in children, we have but to suggest and to encourage. It is not to be hoped or expected that they will think as we do. The idea is to encourage them to think for themselves, and to decide matters for themselves after they have been given enough mental stimulus to understand the fundamental truths of life. Your way of thinking and mine are but a stepping stone to the possibilities which now confront the generation following us. To attempt to narrow them down to our way of thinking when they have reached the stage in their mental development where they can see farther and have the courage to go, is like shutting off sunlight and air from the plant

## Champion Buff Wyandottes

(AMERICA'S GREAT GENERAL PURPOSE FOWL)

**Now Ready To Win at Your State Fair  
and the Early Fall Shows**

We have 1,500 **Big, Vigorous** hen hatched **Chicks**, royally bred from our Madison Square Garden, Grand Central Palace, Boston, Chicago, Cincinnati, Indianapolis and Nashville winners. These birds will again be the prominent Victors at America's Great Shows this season, as have their ancestors during the past 25 years.

**We can furnish you Buff Wyandottes guaranteed  
to win at any show on earth**

**We have five hundred early hatched cockerels and pullets that will be easy winners at the State Fairs during September and October**

**BESUDEN BROS.**

**P.O. BOX 359B  
R. W. STURTEVANT, Manager**

## Puritan Partridge Rocks

(THE QUALITY FLOCK OF AMERICA)

**All Ready To Go In and Win At Any  
State Fair or Early Fall Show**

1,000 hen hatched Chicks, bred right from First Prize Winners at Madison Square Garden, Chicago, Kansas City, Cincinnati, Indianapolis and Louisville.

**Puritan Partridge Rocks** are certain to be the Big Winners again this year as they were last season.

**Now is the time to secure Partridge Rocks that  
can win first honors anywhere**

**CINCINNATI, OHIO**



when it shows signs of budding. It is our right and privilege to direct the first thoughts and to establish in their minds the facts and positive truths which science and the history of the ages has proven. Thus far may we go and no farther, except as fellow students. If up to this time we have given the brain the right food for thought by implanting the seeds of industry and intellectual discipline and by encouraging hope and fearlessness, the future is safe in their hands.

In the matter of bad habits now formed, it will be found much easier to accomplish the correction of one thing at a time than a number. Likewise the cultivation of a good habit will mean the destruction of a bad one, so the work is not so much fighting down bad habits as it is that of building up good ones. It will require time and patience and much determination, but the continuance along these lines is its own reward, since the tendency towards good is strengthened by each effort in that direction.

If one stops to notice it, it will be seen that most children of school age when seated at a desk or table are very prone to roll over rather than bend—the shoulders being rounded, the chest hollowed and the spinal column almost in the form of a half circle. This habit is a very bad one and much pains should be exercised in correcting it if need be. Teach the children to sit far back in their chairs in an erect position with the shoulders touching the

chair backs, when, if they do move forward for the purpose of writing, eating, etc., they will keep their shoulders square instead of rounded as when sitting wrongly on the chair seat.

It is also an excellent idea to have the children (your own, and their playmates) form in line occasionally, with their arms folded behind their backs, and march about in this position, which means shoulders back and chest expanded.

In the matter of dressing, practically all children love to "dilly dally" during this process, and this is naturally a trying habit for their elders to put up with. Aim to establish a system of rising, dressing and breakfasting in your household with a certain competition among the younger members in the matter of getting dressed first. Do not allow the dressing process to become slipshod, and establish a high standard of well-keptness in the matter of cleanliness, well-kept nails and neatly brushed hair and teeth. Where there are several children "competition is the life of trade" in the formation of these good habits.

If you can thus guide the thoughts of childhood and establish desirable habits at this period of development, you need have no fears for the future of your children. Try each day during this vacation period to give them an inspiration for right thinking. In no other way can we so successfully guide the footsteps of childhood. "As a man thinketh, so is he."

#### Spiced Tomatoes.

By H. V. W. C.

7 pounds ripe tomatoes,  
3 pounds sugar,  
1 quart vinegar,  
½ ounce whole cloves,  
2 ounces stick cinnamon.

After skinning the tomatoes, cut them in slices and drain all the juice from them, add the sugar and vinegar, and the spices which should be tied up together in a thin piece of muslin. Boil until thick and bottle. Very nice to serve with meats.

#### Margaret's Cake.

By M. C.

Sift together 1 cup sugar, 1 cup of flour and 2 teaspoonfuls of baking-

powder. Melt 1 tablespoonful of butter in a cup, add 2 eggs to the butter, a little salt and fill the remainder of the cup with milk. Fold into the sugar and flour mixture, beating for a few minutes. Flavor with vanilla and bake. Cover with a white frosting.

#### Chicken Salad Sandwiches.

By D. S.

Pass the meat of a chicken through a meat grinder and season to taste with salt and pepper. Add also a little olive oil and lemon juice and some minced lettuce leaves. Spread thinly sliced bread with butter and ground nut meats and corresponding slices with the salad mixture and press together. Cut in triangles or other shapes.

#### Creamed New Potatoes.

By D. S.

2 dozen small sized new potatoes,  
1½ pints of milk,  
1 tablespoonful butter,  
1 tablespoonful cornstarch,  
1 teaspoonful salt,

Pepper and minced parsley to taste.

Have the potatoes scraped perfectly with no speck of thin skin on them, boil until tender and drain. For the cream dressing, moisten the cornstarch with a little of the milk, while scalding the rest of the milk over the fire. Add the cornstarch, stirring until slightly thickened and smooth, and place on the back of the stove, adding the seasoning and butter. The sauce should be the consistency of medium thick cream and well seasoned with salt, pepper and parsley. Place the potatoes in the serving dish and pour the sauce over them. Serve at once.

#### Delicious Little Spice Cakes.

By I. S.

¾ cup butter,  
1 cup sugar,  
5 eggs,  
2 tablespoon strong black coffee,  
1 tablespoonful cocoa,  
1 teaspoonful ground cloves and nutmeg mixed,  
1 teaspoonful vanilla,  
¼ teaspoonful salt,  
2 ounces cornstarch,  
1 cup flour,  
1 teaspoonful baking powder.

Cream the butter, add sugar and well-beaten eggs. Then the spices, cocoa and coffee, and sift in the flour and baking powder. Bake in patty pans in a quick oven and frost with a plain boiled frosting or with chocolate fudge frosting.

#### Fudge Frosting.

By I. S.

Boil together 1½ cups granulated sugar, ½ cup sweet milk, 1 teaspoonful cornstarch and 2 tablespoonfuls cocoa or 2 squares chocolate. Butter the sides of the pan well before putting the mixture into it. Place on the stove and allow to come to a boil, but do not stir it. When it forms a mass of bubbles and drops so from the spoon, remove from the fire and add a lump of butter the size of a walnut, beat until it begins to thicken, add a teaspoonful of vanilla and spread quickly over the cakes.

#### WHITE ORPINGTONS

Eggs at one fourth price from Wm. Moore's famous strain. Constant winners at Madison Square Garden New York, for years. Send for catalog and prices. Wm. Moore, Monroe St., Hamilton, Ont., Can.

#### The Unity Poultry Feeder

Feeds dry mash, grain, grit, shell, beef scraps, charcoal, etc., without waste. Fowls can't scratch or scatter food. Feed can't clog or get dirty, and rats can't reach it. Easily suspended from any part of poultry house, occupies little space, but feeds many fowls, and all sizes at once. Easily changed into a sectional feeder. Sent by prepaid parcel post for \$1. or for \$3.25 we'll send you one of our \$2.75 Banglar Alarm Outfits and this \$1.00 feeder prepaid.



UNITY MFG. CO.,  
711 51st St., Milwaukee

## Special Mid-Summer Prices

Are now in effect on our splendidly bred White Plymouth Rocks. The breeding season has passed and we can offer very representative specimens from our yards at extremely attractive prices. Write early and get the opportunity of having the first pick.

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Box 105 :: Tinley Park, Illinois

## Take Advantage Of This Opportunity!

An offering yearling and 1913 hatched birds that will win anywhere and trap-nested utility Single Comb Black Minorcas at introductory prices. The superiority of our birds as layers of large white eggs—their type, size and quality and our price will encourage you to adopt them exclusively.

CHARLES G. PAPE : Box B74 : FORT WAYNE, INDIANA



# Associations and Shows

*Secretaries are Requested to Send in News Items of Interest About Their Shows for This Department*

## SECOND INTERNATIONAL POULTRY EXPOSITION.

The Second International Poultry Exposition, July 4 to September 1, on Young's Million Dollar Pier, Atlantic City, is a unique project. Conceived and made a creditable reality last summer by the Poultry Item of Sellersville, Pa., it even now seems certain of fulfilling its avowed destiny—that of sounding the death knell of the "dull months" in the poultry industry. This year the invitation to breeders and manufacturers of supplies and appliances met with so generous and so early a response that the sponsors immediately reserved 15,000 extra square feet of space and a large part of this has been taken exclusively by New Jersey poultrymen who have had the co-operation of their State College at New Brunswick, N. J., in making a splendid display, showing what "The Garden State" is doing with and for its chickens.

The annual convention of the American Poultry Association will also be held on the Million Dollar Pier from August 11 to 16, inclusive, and this will bring added prestige and patronage to the exposition, which is directly in the path of all who attend the convention, which will meet in Greek Temple.

Another feature of the event this year is the large booth that has been set aside for the use of poultry associations. In this each association has been permitted to put on display its literature, show dates, etc., without any charge.

The Poultry Item is completing arrangements with the various transportation companies for running excursions to Atlantic City from poultry centers not too far distant from the shore, where strong, organized poultry associations exist. Information as to rates, etc., can be secured by application to local agents at the various cities, and if no excursion has been arranged from your city, the Item will be glad to co-operate in making arrangements, providing a sufficient number are interested.

When it is considered that each space on the pier contains a minimum of fifty square feet and many exhibitors are occupying from two to eight spaces, some idea of the extent of this great uplift to the poultry industry can be formed. Some of those whose displays are attracting widespread attention and the amount of space they are occupying are named below:

John W. Ward, Jr., Pennington, N. J., 1 space.

Parkway Farm, Trenton, N. J., 2 spaces.

Wm. Cook & Sons, Scotch Plains, N. J., 4 spaces, rare and ornamental birds; 4 spaces, Orpingtons and special display.

Sunswick Poultry Farm, Plainfield, N. J., 1 space.

J. C. Punderford, Freneau, N. J., 4 spaces (special display).

Geo. B. Ferris, Grand Rapids, Mich., 3 spaces.

E. B. Thompson, Amenia, N. Y., 4 spaces.

U. R. Fishel, Hope, Ind., 4 spaces (special display).

Wm. H. Moore, Chadds Ford, Pa., 2 spaces.

A. J. Fell, West Point, Pa., 2 spaces.

H. D. Riley, Strafford, Pa., 2 spaces.

Aldrich Poultry Farm, Columbus, O., 4 spaces.

J. Harry Wolsieffer, Vineland, N. J., 1 space.

Dearborn & Sharpe, Blairstown, N. J., 1 space.

Chas. D. Cleveland, Eatontown, N. J., 2 spaces.

Royal Farms, Little Silver, N. J., 2 spaces.

Dunrobin Farm, Chatham, N. J., 2 spaces (special display).

Geo. A. Van Brunt, Red Bank, N. J., 1 space.

New Jersey Experiment Station, New Brunswick, N. J., 4 spaces (special display).

Seaman & Bogert, Port Washington, N. Y., 1 space.

Connor Automatic Feeder Co., Jersey City, N. J., 1 space.

Frederick Feeder Co., Ogontz, Pa., 2 spaces.

M. R. Jacobus, Ridgefield, N. J., 1 space.

R. W. Denner, Sellersville, Pa., 1 space.

Harmony Park, Scotch Plains, N. J., 1 space.

Spratt's Patent, Newark, N. J., 4 spaces (special, 100 feet).

International Poultry Sales Co., Brown's Mills, N. J. (special, 350 feet).

Department of Animal Industry, Washington, D. C., 1 space (special display).

Midlothian Farms, Tinley Park, Ill., 4 spaces.

Lester Tompkins, Concord, Mass., 2 spaces.

# ARE YOU READY

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White Wyandottes and S. C. R. I. Reds

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I have January and February hatched youngsters that will win for you in any competition.

I have cocks and hens rapidly getting ready to win for you anywhere.

I can straighten that weak spot for you and give you the choice of over 8,000 old and young birds.

I offer you show and breeding birds at lower prices than you can obtain the same quality elsewhere, and

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Try the DELANO Way and Receive the DELANO Treatment  
and You Will Become a Permanent DELANO Customer

Address, Maurice F. Delano Maurice F. Delano, Prop.  
Frank H. Davey, Supt. 107 William St., Vineyard Haven, Mass.



Guy W. Mayberry, Newberry, Ind., 1 space.  
 F. A. Rappleye, Interlaken, N. Y., 1 space.  
 Exhibit of Southern Breeders, 6 spaces.  
 Belmont Poultry Farm, Smyrna, Del., 1 space.  
 Walter Baum, Poultry Artist Studio, Sellersville, Pa., 1 space.  
 Louis Paul Graham, Artist, Collingswood, N. J., 1 space.  
 Poultry Husbandry, Waterville, N. Y., 1 space.  
 Dr. Elias Peter Hicks, Bound Brook, N. J., 1 space.  
 Briarcliff Farm, Asa G. Candler, Jr., Atlanta, Ga., 5 spaces.

E. C. Young Box Co., Randolph, Mass., 450 square feet of space.  
 Henry Snitzer, Fairton, N. J., 1 space.  
 S. M. Goucher, Moorestown, N. J., 1 space.  
 The Endicott Farm, New Brunswick, N. J., 1 space.  
 Grove Hill Poultry Yards, Waltham, Mass., 1 space.  
 Thos. Randall, Germantown, Philadelphia, Pa., 1 space.  
 D. Lincoln Orr, Orrs Mills, N. Y., 1 space.  
 J. D. Loizeaux Lumber Co., Plainfield, N. J., 1 space.  
 A. C. Hawkins, Lancaster, Mass., 1 space.  
 Pen-Y-Bryn Farm, Ambler, Pa., 1 space.  
 The Greater Washington Poultry & Pig-

eon Club, Washington, D. C., 2 spaces.  
 Maryland Leghorn Farms, Wm. C. Bowman, Cambridge, Md., 1 space.  
 W. M. Paterson, Penn Yan, N. Y., 1 space.  
 Miss S. Carey, Toynnton, Spillsby, England, 5 spaces.  
 E. E. Brubaker, Bird-in-Hand, Pa., 1 space.  
 E. Williamson, Somerville, Mass., 1 space.  
 West Mountain Poultry Yards, F. B. Williams, Naugatuck, Conn., 1 space.  
 F. G. Bean, Collegeville, Pa., 1 space.  
 Willow Glen Poultry Farm, Waynesboro, Pa., 1 space.  
 H. Van Order, Cortland, N. Y., 1 space.  
 Cyphers Incubator Co., Buffalo, N. Y., 900 feet.  
 Owen Farms, Vineyard Haven, Mass., 2 spaces.  
 Appletree Farm, Greenwich, Conn., 1 space.

### GREAT COLISEUM SHOW—LIST OF JUDGES.

Final arrangements have been completed for the Fifth Annual Exhibition of the Great Mid West Poultry & Pet Stock Association to be held in the Coliseum Building, Chicago, December 12-17, 1913. A lease has been taken on the Coliseum Building giving ample time to get in and to get out. The judging will all be done on Friday, December 12th, the building to be ready for the reception of specimens not later than Wednesday evening, December 10. The show, as usual, will continue over Sunday. The judges selected are:

W. S. Russell, Ottumwa, Iowa, Barred Rocks.  
 O. L. McCord, Danville, Ill., and G. E. Greenwood, Lake Mills, Wis., Orpingtons.  
 J. T. Rountree, Nora, Ill., Polish, Hamburgs and probably Minorcas. The last to be decided by the Club.  
 D. E. Hale, Quincy, Ill., Buff and White Rocks.

James A. Tucker, Concord, Mich., Rhode Island Reds and Houdans.  
 Franklin L. Sewell, Niles, Mich., Langshans.

H. B. Hark, Glenwood, Ohio, Partridge Wyandottes and Partridge Rocks.  
 W. C. Pierce, Indianapolis, Ind., White, Buff, Silver, Golden, Columbian and Black Wyandottes.

A. O. Shilling, Rochester, N. Y., all Bantams and all Campines.

A. C. Smith, Minneapolis, Minn., all Leghorns.

H. A. Pickett, Greentown, Ind., all Turkeys, Water Fowls, Rhode Island Whites and a number of other varieties.

Other judges to be named will depend somewhat upon meetings of specialty clubs.

The famous Empire Coops will be used in all departments, with Barney Mosher in charge of the cooping.


The finest lot of specials ever offered in America will be offered in Chicago this season. Our special representative had instructions when leaving for Europe to buy whatever in his opinion would make the most acceptable and useful premium—something to be won as the very highest honor and something that would be of service to the winner. For this year at least, the silver cups will be eliminated entirely, except those that may be offered by specialty clubs, as we believe that the breeders of this country are ready for something altogether different and Chicago has always led the procession in introducing new and useful features. As usual, every premium offered by this association is guaranteed. The premium list will be ready November 1. Entries close November 25.

For full information address  
 THEO. HEWES, Sec.,  
 Indianapolis, Ind.

### THE BIG BOSTON SHOW.

It hardly seems possible that the great Mechanics Building with its five acres of floor space would have its capacity tested by a poultry show, yet from the present outlook such a thing is likely to happen Boston Show week, January 13 to 17, 1914. Applications for space and premium lists have been coming in for the past two months and already a number of Specialty Clubs have selected Boston for their annual meet; among them The Partridge Wyandotte Club of America, The Silver Penciled Wyandotte Club, The Crested Fowl Breeders' Association and the display of Crested fowls is expected to eclipse anything of its kind ever seen in the world. The American Light Brahma Club and the New England Light Brahma Club will hold a joint meet and there will be a great array of these old favorites. The White Wyandotte Club and the N. E. Golden Wyandotte Club will also meet at the Hub.

Plans are being made for a great show of Plymouth Rocks and the specials will be an eye opener. The utility exhibit last year



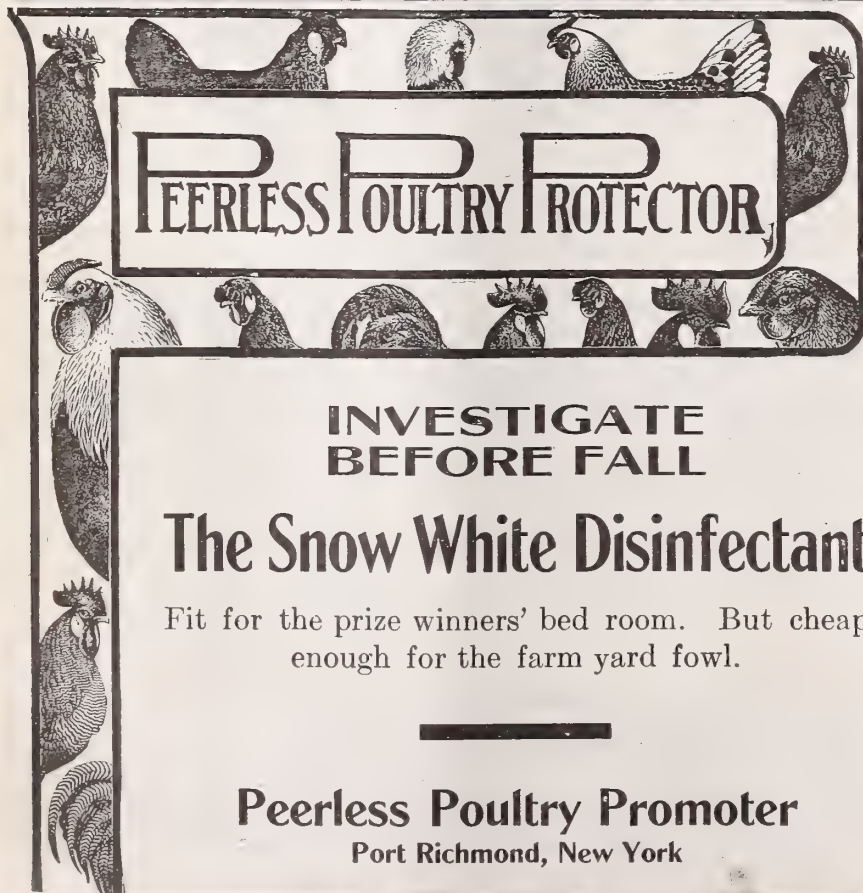
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**PLEASE SEND FOR MY CATALOGUE**

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**The Snow White Disinfectant**

Fit for the prize winners' bed room. But cheap enough for the farm yard fowl.

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 Port Richmond, New York



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from the eggs picked out by the Magic Egg Tester are equal in every way to any of the very best hatched in the Spring. Hundreds of testimonials. Read our winter and spring ads in this Journal. Look for the hand that "Points the Way." Circular free, \$2.00 each. If not at your dealer, send to us.

Magic Egg Tester Works, Brayton 72, Buffalo, N. Y.

### J. W. Parks' Strain

#### BRED-TO-LAY

Barred Plymouth Rocks.  
Eggs at reduced prices.

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## \$5 NO MONEY IN ADVANCE

The "Dandy" is the easiest operated, best built, fastest cutting green bone cutter made. Sold on 15 days' free trial with a broad guarantee. If it suits keep it, if not, send it back. Free catalog.

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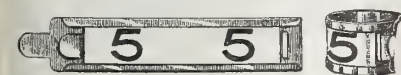
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Consisting of the following articles: One galvanized (cone shaped) water fountain, one dry masu (Economy) poultry feeder, one grit (Economy) poultry feeder, one beef scrap (Economy) poultry feeder, one oyster shell (Economy) poultry feeder, one Modern Poultry Equipment booklet, one Success and Profits in Poultry Feeding. All bright new goods, carefully packed, delivered direct to your door, without any extra charges to you. Mention A. P. J.

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### Bourne "Bigum" Poultry Band



Patent applied for.

Send two 1 cent parcel post stamps for samples and trial offer. Large numbers showing ten feet away. First to use numbers you can see. Best band out. Sizes for Bantams, Leghorns, Rocks and Reds. Black numbers from 1 to 100 on white, light blue, pink, green, yellow, cherry, and red celluloid. Withstands weather and water. State size, color and numbers wanted. Send cash with order. Price 3 cents each, \$2.50 a 100.

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## R.C. MINORCAS

First prize winners New York, Chicago, St. Louis and elsewhere. Trap-nest bred for egg production. Stock and eggs for hatching, at all times. Catalogue free

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proved an interesting feature and \$500 in cash will be offered in prizes at the next show. America's Greatest Quality Show of 1914 is even likely to surpass the record of the previous great shows.

W. B. ATHERTON, Secy,  
30 Broad St., Boston, Mass.

### INTERNATIONAL POULTRY SHOW, BUFFALO, N. Y.

At the monthly meeting of the International Poultry Association held on June 26, Robert Essex and Henry W. Alt were elected members of the board of directors. The executive committee, which will have charge of the great poultry show to be held Thanksgiving week at the Broadway Auditorium, consists of the following well known and experienced poultrymen:

H. A. Rose, Welland, Ontario; Robert Essex, H. W. Alt, H. W. Pottle and Charles H. Felthousen of Buffalo.

The judges engaged to award the prizes are leading experts of the classes assigned to them. The list as far as completed being as follows:

Charles D. Cleveland, Eatontown, N. J.; W. B. Atherton, Boston, Mass.; W. G. Minich, Carlisle, Pa.; George H. Burgott, Lawtons, N. Y.; Wm. McNeil, London, Ont.; L. G. Jarvis, Hamilton, Ont.; W. C. Pierce, Indianapolis, Ind.; J. W. Andrews, Dighton, Mass.; W. C. Denny, A. C. Schilling, F. L. Maunder, Buffalo, N. Y.; W. C. Card, Manchester, Conn., and A. J. Braun, Syracuse, N. Y.

Additional judges including those engaged to award the prizes in the pigeon, pet stock and utility classes will be announced next month.

No exhibition in recent years had attracted the attention of leading poultry breeders more than the one to be held November 25 to 29 at Buffalo, as the men behind the International Poultry Association are influential business men, as well as noted poultry fanciers. The poultry journals of the United States, Canada and England editorially and otherwise commented on the International Show in such favorable terms that a record breaking attendance of birds and exhibitors may be expected.

The officers of the International Poultry Association are: President, Jas. C. Moore, Buffalo, N. Y.; Vice President, H. A. Rose, Welland, Ontario, Can.; Treasurer, H. W. Pottle, Buffalo, N. Y.; secretary, J. H. Drenstedt, Buffalo, N. Y.

Directors: George Urban, Jr., Jos. Russell, L. H. Rown, John S. Martin, H. A. Forman, R. H. Sidway, Wm. F. Wendt, Chas. H. Felthousen, Wm. Hurley, H. W. Alt, and Robert Essex.

### A NEW POULTRY ASSOCIATION IN ST. LOUIS.

The Mississippi Valley Poultry Association has been organized with a capital of \$5,000.00. It will be the aim of this association to hold the biggest and best show ever held in the West. Spratts Patent will coop the show. The big Coliseum will be the place. The judges the best. Catalogues plain and marked. Date, Thanksgiving week, November 25 to December 1. Officers: E. W. Grove, Jr., president; W. W. Henderson, vice president; Henry Steinmesch, secretary-treasurer; W. O. Chase, Hillsboro, Ill., superintendent. Premium list ready September 15. Address all communications to Henry Steinmesch, secretary, 220 Market street, St. Louis.

### JUDGES FOR GREATER NEW YORK FAIR SHOWS—AUGUST, 1913.

Superintendent John A. Murkin of the Greater New York Fair and Exposition shows, scheduled for August 1913, announces the following judges: J. H. Drenstedt, Chas. D. Cleveland, J. Harry Wolsiger, W. H. Card, H. C. Dipple, G. D. Tilley, H. P. Clarke, Arthur O. Schilling, Geo. L. Young, W. J. Stanton and Geo. Ewald. Several other judges will likely be appointed later. Mr. Chas. Pape of Fort Wayne, Ind., has been appointed assistant superintendent. Applications for premium lists are coming in from all over the country and the Greater New York Fair Shows promise to eclipse anything of the kind ever held in the United States. For information, premium lists, entry blanks, etc., address John A. Murkin, Superintendent Poultry Dept., Heidelberg Bldg., Broadway and 42nd St., New York City.

Essex County Poultry Association will hold its next annual show December 4-6, 1913, at Caldwell, N. J. M. J. Stanton, J. H. Wolseffer and Chas. Nixon, judges. M. Spelden, secretary.

**Don't Be Fooled by Cheap Prices** but send to G. B. Smith & Son and get eggs to hatch from their big birds, that lay them big and a lot of them. 3 pens of each, Black and White Minorcas. G. B. SMITH & SON, Box 454, North Baltimore, Ohio



**30,000,000 CHICKS DIE ANNUALLY**  
My GREAT WHITE DIARRHOEA REMEDY will save them all. Try a FULL SIZE BOX FREE  
Send only 6 CTS. to cover mailing.  
THE COLEMAN COMPANY, Lexington, Ohio

## Altamont Poultry Farm

Colfax, Iowa

Best White Orpingtons in Iowa. Best Catalogue

## SILVER WYANDOTTES

First prize winners. The sensational first prize cockerel at Cleveland heads best pen. Stock and eggs at right prices. R. D. OWEN, CRESTON, OHIO

## S.C. BLACK ORPINGTONS

12 years of successful breeding and exhibiting.

Mating list on application.

Herrick Poultry Farm, Geo. H. Herrick, Prop., Bancroft, Mich

## WHITE WYANDOTTES

Have several very choice cockerels for sale.

W. S. COBB, UNION BANK BLDG., JACKSON, MICH.

"How to breed and feed Buff Dottes." Elegant and instructive Text book, only 20 cts.

ROCKY RUN FARM  
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## FOR THE VERY BEST

IN COLUMBIAN AND SILVER

WYANDOTTES, ADDRESS

J. F. VAN ALSTYNE, NIVERVILLE, NEW YORK

## SINGLE COMB REDS

A WONDERFUL FEMALE LINE

Have been working for years to improve the color in females, and now have a line that will produce a large percentage of very dark even red pullets that hold a good red even color as hens. My birds won at Philadelphia, New York, Altoona, Pittsburg and Buffalo. I bred every female shown in 5 years. Mating list free.

ELLIS S. SHELLY, Box 2436, Williamsburg, Penna.

## Poultry Flats

A 64-page book that is a spellbinder for you. The new and easy way to raise poultry. Nothing like it elsewhere. This book is free with a years subscription to the Inland Poultry Journal, which is only fifty cents. Send today.

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Are Best

Read what Our Poultry Fanciers say

Curtis Lyman, St. Charles, Ill.—More than pleased with the (3) hovers. A. N. Curtis, Elgin, Ill.—Two (2) hovers work fine. Robt. Newcomb, Williams Bay, Wis.—Using three (3); can't be beat.

The Elgin Poultry Supply Co., Elgin, Ill.

## DAY-OLD CHICKS

Healthy, vigorous, from heavy laying stock. Guaranteed satisfactory. Place orders NOW.

Hatching Eggs Breeding Stock

S. C. W. Leghorns. White and Barred Rocks. All eggs and stock GUARANTEED. Write for big new catalog: "Tywacana Quality."

It gives much information of value to poultrymen. It's free.

Tywacana Farms Poultry Co. POULTRY CO.

A. E. Wright, Supt.

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THE KIND THAT'S DIFFERENT

Write for free sample of Stevens colored and numbered band for poultry (state your breed of fowls so we can send the correct size). This band is revolutionizing marking. Made of aluminum and celluloid. Made for baby chicks and pigeons. Free catalogue giving full particulars and prices.

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Beautiful—Profitable—Great Winter Layers—Prizes at leading shows. Stock and eggs for sale. State what you want. Circular free. **H. H. Hewitt, Box 427, Williamsburg, Pennsylvania.**

**ONEIDA INDIAN REDS**

Our R. and S. C. Reds made the most sensational win by winning more prizes than all competitors combined. We have stock, eggs and baby chicks for sale. Illustrated catalog free.

**Ontario View Poultry Yards, Oneida, New York**

Whatever you need in

**R. C. Reds**

Address, **C. E. RILEY, 431 Fargo Ave., Buffalo, N. Y.**

**LITTLE'S ROSE COMB REDS**

Winners at New York, Boston, Springfield, Hartford, Brockton and other shows. Eggs now at half price; send for mating list. **George W. Little, 700 Washington St., South Braintree, Mass**

**Alt's Reds at a Bargain**

For sale 50 good S. C. breeders at \$2 each; five males, \$5 each. We need the room.

**H. W. ALT, 87 Fuller St., Buffalo, N. Y.**

**S. C. Brown Leghorns**

First prize winners at Madison Square, N. Y., Chicago and Philadelphia. Prices reasonable, write for circular. **Frank Schellang, R. 1, Erie, Pa.**

**ADJUSTABLE CLINCH—NO BETTER****Poultry Leg Bands Made**

25, 20c; 50, 35c; 75, 50c; 100, 65c; 200, \$1.00. No stamps taken. **Frank Cross, Manufacturer, Box 506, Montague, Massachusetts**

**F. L. POULTRY FARM**

Rhode Island Reds—Breeders for sale

**F. L. OBER, R. F. D. 1, VERONA, PENNA.**

**EGGS NOW HALF PRICE**

From **PEERLESS** White, Buff and Black Orpingtons. **Peerless Orpington Farms, C. E. Rogers, Prop., Painesville, O.**

**Pine Lodge Farm**

South Lincoln, Massachusetts

Champion Blue Orpingtons—Depper's strain. The kind you must have when you want the best.

**MAPLEWOOD POULTRY YARDS**

**H. W. HAYNER :: SUPERINTENDENT ATTICA, NEW YORK**

Breeders of high class Single Comb White Leghorns, White Wyandottes, Indian Runner and Pekin Ducks.

**WM. COOK & SONS**

ORIGINATORS OF ALL THE ORPINGTONS

Box A, Scotch Plains, New Jersey

Send 10c for illustrated catalogue, containing history and origination of the Orpingtons and hints on poultry keeping. Mention **A. P. J.** when writing.

**GOLDEN****WYANDOTTES**

Mine are annual winners at Boston, winning four Firsts last Jan. Good birds for sale, reasonable. Mention **Am. Poultry Journal.**

**LOREN H. BROWN**

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**JEFFERSON'S WHITE RUNNERS**

Win where quality counts—never defeated. At the greatest show held at Madison Square Garden, Dec., 1911, our ducks controlled the highest winnings. Our winnings include 1st cockerel, 1st pen, second pullet.

Eggs, \$5.00 per 12, \$8.00 per 24, \$15.00 per 50, and \$25.00 per 100. Why pay more, we guarantee satisfaction. Stock for sale.

**JEFFERSON POULTRY FARM :: ALBANY, GEORGIA**  
Citizen's 1st National Bank Building

**OKLAHOMA STATE FAIR.**

The greatest display of fine bred poultry that has ever been collected in the Southwest, will be seen at the Seventh Annual Oklahoma State Fair & Exposition at Oklahoma City, September 23 to October 4, 1913. The country is full of poultry and a large percentage of it is pure-bred. Thousands of show specimens are now being conditioned for the Oklahoma State Fair and Exposition.

For the last three years there has been a remarkable increase in the number of good birds shown by Oklahoma breeders, and this year, from all appearances, there will be a greater number than ever before. This statement is made in face of the fact that there were ninety-four exhibitors in 1912 with eleven hundred and forty-seven entries.

"With the most up-to-date pavilion in the Southwest and the most enthusiastic bunch of breeders ever banded together," says John W. Niceley, superintendent of Poultry, "you may expect a revelation in the 1913 exhibits."

For the breeder of prize birds, the Oklahoma State Fair and Exposition at Oklahoma City, September 23 to October 4, 1913, is the greatest school in which to study quality in any person's chosen breed. There are to be seen the birds which come the nearest to the standard in fine points and desirable qualities. There is an opportunity to study the very best for comparison.

"Every breeder who aspires to the ownership of winning birds should exhibit at least a few birds and spend a day, if possible, in the pavilion studying and comparing the qualities of his birds as compared with others," says John W. Niceley, superintendent of the Poultry at the Oklahoma State Fair. "The judge will take pleasure in pointing out any defects in your birds, if there are any, and show you where you can improve them."

It is also pointed out by Supt. Niceley that every breeder who has stock and eggs to sell should exhibit at least a few to show the intended purchaser the quality of the stock he sells from. Many sales of birds have their inception at the Oklahoma State Fair and Exposition.

The management of the Oklahoma State Fair and Exposition has taken another step forward this year to assist the actual breeder of fancy poultry. It is the rule this season that it takes three specimens to fill a class, to win first money. The three specimens may be exhibited by one breeder or by three breeders.

**MISSOURI STATE FAIR.**

The poultry department of the State Fair will be one of the big events of the 1913 exhibition. The poultry building is substantial: it is brick and iron construction, with a tile roof, large and roomy, and is fully equipped with uniform coops that are furnished by the fair.

No entry fee is charged but there is a small coop rent. Premiums are large. One of the features will be a demonstration of the work that is being done by the Missouri State Poultry Board at Mountain Grove, Mo. Mr. T. E. Quisenberry, director of the Station, will be personally in charge of this exhibit.

Mr. Henry Steinmesch, St. Louis, Mo., is the director in charge of the poultry department.

In addition to the regular classification offered a special egg laying contest will be held. This will cover a period of one week.

Premium lists are ready for distribution and may be had by addressing secretary of the Missouri State Fair, Sedalia, Mo.

Fair will be held September 27 to October 3, 1913, at Sedalia, Mo.

**ARKANSAS STATE FAIR.**

Poultry raisers and fanciers throughout Arkansas and the entire country for that matter, will be gratified to learn that the Arkansas State Fair management has chosen for superintendent of the poultry department for the 1913 fair, Mr. Orlando C. Williams, one of the most enthusiastic poultry breeders and exhibitors in the entire South.

Every former exhibitor at the fair will recall Mr. Williams, who was always prominently identified with the poultry exhibit. He has recently organized the Garland County Poultry Association, and has been elected secretary of the organization, which means that he will bend his energies to the interest of poultry fanciers of his own county in breeding and exhibiting at the fair. It is his purpose to foster like organizations in practically all the counties of the state, with the central interest in the big Arkansas State Fair.

Mr. Williams invites every poultry raiser

**GRAND CHAMPION****Columbian Wyandottes**

**GEO. A. KERSTEN, Washburn Park, Minneapolis, Minn.**

**SKINNER'S STANDARD****WHITE WYANDOTTES**

Birds and eggs within reach of all.

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**BUCKEYE \$8**  
Guaranteed to hatch every hatchable egg. Over 325,000 in use. Send for Catalogue and dealer where you can see one and how it works.

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**IDEAL HOVER**

Brood your chicks in an Ideal Hover; use it anywhere; broods 100 chicks. Price \$6.00; freight paid on two or more east of Rockies.

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**TREHAWAY'S ANTHRACITE****Black Minorcas**

50 grand yearling hens for sale. Show birds and No. 1 breeders. Not a poor bird in the lot. Must be sold to make room. Every bird will be a bargain. If you want to improve your flock, now is your chance.

**ARTHUR TREHAWAY**  
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**100 Col. Wyandottes****Cocks and Hens**

Will sell my breeders at real bargain prices. A rare chance to get some of the best blood in America.

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are best. Our book will tell you why. Write for it. Mention **American Poultry Journal.**

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**Baby Chicks**

Weja Strain S. C. White Leghorns;  
Bright's Strain S. C. Brown Leghorns;  
White Wyandottes; Ringlet Strain  
Barred Rocks, 10c up. 12,000 egg incubator capacity. Our 8th year handling baby chicks. Send for free catalogue.

**Peerless Poultry Farm, R. 1, Kenton, Ohio**

**Original White Wyandotte**

breeder, over 20 years a leader! Winners at Boston and Madison Square Garden and my customers have **won** in every good show in the land. Already booked orders for the fall shows. Let me quote you. Beautiful catalogue for 15 cents in stamps.

**Arthur G. Duston**

**Box 1020, S. Framingham, Mass.**



and fancier in the State of Arkansas and all other southern states, as well as those of the north, east and west to correspond with him with reference to the 1913 State Fair Exhibit which he promises to make the greatest ever held in the state.

All letters of inquiry and requests for information and blanks will receive prompt and accurate attention.

Fair to be held October 27 to November 1, 1913, at Hot Springs, Ark.

### THE FOREST CITY FAIR.

America's leading and best poultry judges will do the judging in the poultry department of the Forest City Fair, Cleveland, Ohio, (grounds North Randall), which will be held six days and nights the week of August 25th. The premiums offered amount to \$3,000.

Spratt's Patent will coop and feed the show. This will be free to exhibitors. Entrance fee on single birds is twenty-five cents and on breeding pens is fifty cents.

In thirty-four varieties, the premiums in the single bird classes are: First, \$3; second, \$2; and third, \$1. Breeding pens: First, \$5; second, \$3; and third, \$2.

In fifteen varieties, single bird classes: First premium, \$3; second, \$1. Breeding pens: First, \$4; second, \$2.

In forty-one varieties, single bird classes: First premium, \$3; second, \$1.

In thirty-seven varieties, single bird classes: First premium, \$2; second, \$1.

A liberal classification is provided and liberal premiums are offered in the other varieties of poultry as well as pet stock and pigeons. This will be the biggest mid-summer poultry show Ohio has ever seen.

Mr. Shepard Strong of Cleveland, Ohio, a well known and experienced poultry fancier will have charge of the show.

A postal card request will get a premium list. Write H. J. Kline, General Manager, 1050 Leader-News Bldg., Cleveland, Ohio.

### 1913 STATE FAIRS AND EXPOSITIONS.

Alabama State Fair, Birmingham, October 9-18, S. H. Fowlkes.

American Royal Live Stock Show, Kansas City, October 6-11, T. J. Wornall.

Arkansas State Fair, Hot Springs, October 27-November 1, Geo. R. Belding.

Blue Grass Fair, Lexington, Ky., August 11-16, John W. Bain.

California State Fair, Sacramento, September 13-20, J. L. McCarthy.

Colorado State Fair, Pueblo, September 15-20, A. L. Price.

Cambridge Valley Agricultural Society, Cambridge, N. Y., August 18-22, Elliott B. Norton.

Georgia State Fair, Macon, Ga., October 21-23, Harry C. Robert.

Illinois State Fair, Springfield, October 3-11, J. K. Dickirson.

Indiana State Fair, Indianapolis, September 8-12, Chas. Downing.

Iowa State Fair, Des Moines, August 20-28, A. R. Corey.

Interstate Live Stock Fair, Sioux City, September 15-20, Joe Morton.

International Live Stock Exposition, Union Stock Yards, Chicago, November 29-December 6, B. H. Heide.

Interstate Fair, Trenton, N. J., September 29-October 3, M. R. Margerum.

Interstate Fair, Spokane, Washington, September 15-21, Robert H. Cosgrove.

Interstate Fair, Hagerstown, Maryland, October 14-17, Palmer Tennant.

Kansas State Fair, Hutchinson, September 13-20, A. L. Sponsler.

Kansas State Fair Association, Topeka, September 8-12, H. L. Cook.

Kentucky State Fair, Louisville, September 15-20, J. L. Dent.

Louisiana State Fair, Shreveport, November 5-12, L. N. Brueggerhoff.

Minnesota State Fair, Hamline, September 1-6, J. C. Simpson.

Michigan State Fair, Detroit, September 15-20, Eugene Fifield.

Missouri State Fair, Sedalia, September 27-October 3, John T. Stinson.

Montana State Fair, Helena, September 22-27, A. J. Breitenstein.

Maryland State Fair, Timonium, September 2-6, Jas. S. Nussear.

Mississippi State Fair, October 28-November 7, M. McDonald.

Mississippi-Alabama Fair, Meridian, Miss., October 20-25, R. M. Striplin.

New State Fair, Muskogee, October 6-11, Wm. C. Boon.

New York State Fair, Syracuse, September 8-13, Albert E. Brown.

Nebraska State Fair, Lincoln, September 1-5, W. R. Mellor.

North Dakota State Fair, Grand Forks, July 22-26, D. V. Moore.

North Carolina State Fair, Raleigh, October 20-26, Jos. E. Pogue.

Ohio State Fair, Columbus, September 1-5, A. P. Sandles.

Oklahoma State Fair, Oklahoma City, September 23-October 4, L. S. Mahan.

Oregon State Fair, Salem, September 29-October 4, Frank Meredith.

South Dakota State Fair, Huron, September 6-12, C. N. McIlvaine.

South Carolina State Fair, Columbia.

Tennessee State Fair, Nashville, September 29-October 4, J. W. Russwurm.

Texas State Fair, Dallas, October 18-November 2, W. C. McKamy.

Tri-State Fair and Exposition, Memphis, Tenn., September 22-27, Frank D. Fuller.

The Canadian National Exposition, Toronto, August 23-September 8, J. O. Orr.

Utah State Fair, Salt Lake City, September 29-October 4, H. S. Ensign.

Virginia State Fair, Richmond, October 6-11, A. Warwick.

Vermont State Fair, White River Junction, September 16-19, F. L. Davis.

West Virginia State Fair, Wheeling, September 8-12, Geo. Hook.

West Michigan State Fair, Grand Rapids, September 1-6, Chas. F. Kennedy.

Wisconsin State Fair, Milwaukee, September 8-12, J. C. McKenzie.

Washington State Fair, North Yakima, September 29-October 4, H. B. Averill.

Western Fair Association, London, Ont., September 5-13, A. M. Hunt.

Wyoming State Fair, Douglas, September 30-October 3, Anson Highby.

### THE GREAT WILLIAMSPORT SHOW.

The Great Williamsport Poultry Show will be held as usual Thanksgiving week, November 25 to 28 inclusive.

This greatest of all early shows will be greater than ever in every respect.

Williamsport has been noted for the judges it employs but this year is going still better and have engaged Messrs. Henry P. Schwab, Richard Oke, Chas. Nixon, J. C. Pufferford and Herman Sonder and we don't know where the poultrymen will find a better list of judges in this country.

While some of the old timers in the show business management have dropped out, the new blood will try to show the exhibitors that they will have no reason for complaint.

The officers who are guiding the affairs of the Williamsport Show this year are: Chas. Drinkwater, President; John R. Heim, Vice President; McCormick Dawson, Secretary; E. N. Crumbling, Treasurer; Chas. G. Whitehead, superintendent; A. A. Swartz and Chas. D. Lamade, board of directors. McCormick Dawson, Secy.

Williamsport, Pa.

The eighth annual exhibition of the Genesee Valley Poultry and Pigeon Association will be held December 29, 1913, to January 3, 1914, at Rochester, N. Y. W. Theo. Wittman, Herman W. Graunis, Henry R. Ingalls, M. Frank Cook, F. H. Taylor, G. Archie Turner, A. J. Braun and W. J. Wirt, judges. F. A. Newman, secretary, P. O. Box 472, Rochester, N. Y.

I AM DEVELOPING  
WE NEVER FAIL

IRA M. CROWTHER

# GRAND WINNERS

FOR COMING SHOWS  
GET IN TOUCH

## WHITE FAVEROLLES AND GOLDEN AND SILVER CAMPINES

AUG. D. ARNOLD

Eggs in hundred lots great bargains. Yearling and young stock for sale.

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Are now being made ready for you at "Sunswick," the great S. C. Buff Orpington [specialty plant of America. Write for full particulars and prices, early reservations are advised. Great bargains offered in our Summer sale of breeders for August only. Illustrated catalogue free. Address

Sunswick Poultry Farm

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Rufus Delafield, Owner

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South Plainfield, New Jersey



Barton T. Fell, Owner

# TIME'S SLIPPING BY

GET NEXT TO SOME OF OUR LEGHORN  
HENS BEFORE THEY ARE ALL GONE.  
ONE DOLLAR EACH.

S. C. WHITE LEGHORNS—Utility birds unexcelled

PARTRIDGE ROCKS—For which we are noted

SILVER PENCILED ROCKS—Finest flock in existence

Finished young birds for early shows at right prices. Visit our exhibit on Million-Dollar Pier at Atlantic City.

Barton T. Fell

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## SILVER ARE YOU INTERESTED? GOLDEN

IN SILVER OR GOLDEN CAMPINES?—Are you contemplating making a purchase? If so, let me serve you, I can please you. Domestic and imported birds. Utility and PRIZE WINNERS for the FALL SHOWS. If interested it will be to your interest to write me. My booklet, which will tell you about this splendid breed, free for the asking. Send for it. Mention American Poultry Journal.

Dr. J. H. Prudhomme, Desk P, Thurmont, Maryland





**FOGG'S S. C. WHITE LEGHORNS**

At special summer prices. Breeding stock and young birds. Write us your wants.  
**N. V. FOGG - Box R - MT. STERLING, KY.**

**CORNING EGG FARM**

Bound Brook, New Jersey  
 Send two-cent stamp for pamphlet, full of handsome half-tone illustrations, describing The Corning Egg Farm, and giving incubator facts and experiences. Mention Am. Poultry Journal.

## The Uhl Hatchery

### Largest in America

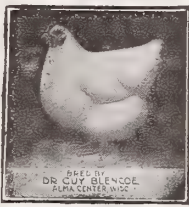
We have been baby chick specialists for 13 years, and furnish chicks from strictly first class show and utility stock. Catalog free. Mention A. P. J.

**M. UHL & CO., New Washington, Ohio**

**WHITE****Orpingtons**

Excellent breeders, remarkable males, grand young and old stock, bred direct from my Chicago winners of the past three years.

**DR. GUY BLENCOE**  
 Alma Center, Wis.



## Day-Old Chicks

### S. C. W. Leghorns

When ordering your chicks for 1914, remember the poultry farm that gives satisfaction. Letters from our customers will convince you. Book your orders early. Mention A. P. J.  
**Michigan Poultry Farm**  
 Lansing, Mich.

## Pagel Non-Freezing Drinking Fountains



When the time comes to provide water for your fowls in zero weather, you cannot afford to take chances on the average water receptacle, that will freeze up just at the critical time.

You want the best, most satisfactory, most reliable drinking fountain you can get. Perfectly

constructed, works right under any and all reasonable conditions. Inquire at your dealers, take no substitute, or write for prices and descriptive literature. Mention A. P. J.

**PAGEL POULTRY SUPPLY CO.**  
 Lock Box 211 Rockford, Illinois

## Cochin Bantams

**Black-Buff-Partridge-White**

We wish to state that we have scientifically bred the 4 Varieties of Cochin Bantams exclusively for many years and our strain has proven its exhibition quality throughout U. S. Not only when exhibited by us, but many of our customers have reported marvelous victories (at such shows as Rochester, Pitts-

burgh, Pasadena and many other renowned shows), which were accomplished with specimens of our strain. Therefore

**The Real Cochin Bantams**  
**America's Best Cochin Bantams**  
 are bred in Ohio at the Wahebe Bantam Yards and such quality cannot be found anywhere else on this great continent. If it is your intention to win this season and to breed winners write the Home of America's Best Cochin Bantams, or you will be disappointed in your undertakings.

**Wahebe Bantam Yards**  
 Box 13B, Evanston Station Cincinnati, Ohio

**BUFF WYANDOTTE BREEDERS.**

At the annual meeting of the American Buff Wyandotte Club, held at Toledo, O., January 8, 1913, the following officers were elected:

President—Arthur H. Myers, 169 Columbus Heights, Brooklyn, N. Y.  
 Canadian Vice President—F. P. Spy, 144 Dundas street, Toronto, Canada.  
 Eastern Vice President—J. E. Burt, Athol, Mass.

Western Vice President—Henry Hess, Winona, Minn.

Southern Vice President—J. C. Green, Gadsden, Ala.

Members of Executive Committee—Gerald Williams, Northfield, O.; S. A. Howland, Granville, N. Y. and W. J. Hoebel, Blairstown, Ia.

Secretary Treasurer—F. W. Hoff, Toledo, Ohio.

Because of the illness in his family and a change in his business, Mr. Hoff was unable to attend to the duties of secretary-treasurer and the executive committee appointed J. E. Willmarth, Amityville, N. Y., secretary-treasurer for the balance of Mr. Hoff's term.

At the annual meeting the By-Laws were changed to admit of the election of our officers by mail vote. Now every member has an equal chance to say who shall be our officials and where we shall hold the annual meetings.

Every breeder of Buff Wyandottes should be a member of the American Buff Wyandotte Club. One dollar pays membership fee and first year's dues, and all who join now will be credited with a paid up membership to October 1, 1914.

Write for application blank and any further information you may desire to J. E. Willmarth, secretary, Amityville, N. Y.

## NEW YORK STATE BRANCH ELECTION.

The election of the New York State Branch of the American Poultry Association, which closed July 15, resulted in the following officers being elected:

President, Robert H. Essex, Buffalo, N. Y.; vice president, B. W. Mosher, Johnstown, N. Y.; secretary-treasurer, L. D. Howell, Mineola, N. Y.

Executive board for three years—D. M. Green, Waterville, N. Y.; H. P. Schwab, Irondequoit, N. Y.; Clyde H. Proper, Schenectady, N. Y.

Executive board for two years—Newton Cosh, Napanoch, N. Y.; Geo. E. Underhill, Fort Ann, N. Y.; Irving F. Rice, Cortland, N. Y.

Executive board for one year—Mrs. Mary E. Monroe, Dryden, N. Y.; L. H. Bown, East Aurora, N. Y.; W. R. Curtis, Ramonville, N. Y.

Delegate to annual meeting of the A. P. A. Robt. H. Essex, Buffalo. Alternate to annual meeting of the A. P. A. Dr. S. A. Merkley, Buffalo, N. Y.

The Fayette Poultry Association of Uniontown, Pa., has been revived and they are going to hold a show December 16-29, 1913. They have engaged as judges, Cornman and Oswald. This association has a large field to draw from and expect to hold one of the largest and best shows in the state of Pennsylvania. For full particulars address the secretary of the Fayette Poultry Association, Uniontown, Pa.

The Barnes County Poultry Association will hold its second summer show in connection with the Barnes County Fair at Valley City, N. D., July 8-11. E. G. Roberts, judge; O. A. Barnes, secretary, Valley City, N. D.

The next annual show of the Appanoosa County Poultry Assn. will be held December 10 to 13, 1913, at Centerville, Iowa. Carl Dare, judge; Bert F. Pixley, secretary.

The Brazil Poultry Club will hold its annual show January 12-17, 1914, at Brazil, Ind. Thos. S. Faulkner, judge; J. C. MacDonald, secretary.

The Honey Grove Poultry Association will hold their 5th annual show November 25-27, 1913, at Honey Grove, Tex. W. T. Bowers, secretary.

The Hamilton Poultry & Pet Stock Association will hold its annual silver cup show November 26-30, 1913, at Hamilton, Ohio. Tucker and Lanius, judges. J. E. Humbach, secretary.

Miami Fanciers' Association will hold its annual show January 19-24, 1914, at Piqua, Ohio. F. L. Platt, judge. George W. Ellerman, secretary.

The Muscatine Poultry Fanciers' Association will hold its annual show December 1-6, 1913. Russell, judge. J. B. Collins, secretary, 406 Mulberry St., Muscatine, Ia.

The Poultry Fanciers' Association of Fort Wayne, Ind., will hold its annual show January 21-26, 1914. H. A. Pickett, O. L. McCord and A. H. Hamlin, judges. T. J. Kucher, secretary.

The Flower City Poultry & Pigeon Association will hold its next annual show December 15-20, 1913. F. G. Bean, Chas. T. Cornman, H. M. Kenner, Chas. Nixon, C. J. Andruss, Rowland Story and T. F. Jager, judges; J. F. Tallinger, secretary., Box 554, Rochester, N. Y.

F. E. Harrison of Menominee, Mich., the well known breeder and judge informs us that he has been engaged to judge at the following shows the coming season: Sioux Falls, S. D., December 8-12; Detroit, Mich., Jan. 19-25; Burlington, Ia., February 2-7; Munising, Mich., January 2-5; Ishpeming, Mich., 3-7; Calumet, Mich., January 6-10; Menominee, Mich., February 7-11; Menominee, Mich., September 9-12.

**BINDER**

Attachment with Corn Harvester cuts and throws in piles on harvester or winnows. Man and horse cuts and shocks equal with a Corn Binder. Sold in every state. Price \$20.00. W. H. BUXTON, of Johnstown, Ohio, writes: "The Harvester has proven all you claim for it; the Harvester saved me over \$25.00 in labor last year's corn cutting; 1 cut over 500 shocks; will make 4 bushels corn to a shock." Testimonials and catalogue free, showing pictures of harvester. Mention American Poultry Journal. Address **NEW PROCESS MFG. CO., SALINA, KANSAS**

**MOUNT PLEASANT FARM****S. C. W. LEGHORNS****BRED-TO-LAY**

1,000 breeders; \$1 each; pullets, ten weeks old, \$1 each; cockerels, ten weeks old, \$1 each. Safe delivery and satisfaction guaranteed. Send for our free booklet, "Modern Successful Poultry Farming."

Mount Pleasant Farm : Mount Pocono, Pa.

## BABY CHICKS

**At Reduced Prices This Month**

Over 50,000 chicks for delivery during this month. Chicks are all hatched from good pure bred stock that has won many prizes in the leading shows.

**Order Direct from This Ad**

	Per 25	Per 50	Per 100
S. C. White Leghorns.....	\$2.00	\$4.00	\$ 8.00
S. C. Brown Leghorns.....	1.78	3.75	7.00
Barred Plymouth Rocks.....	2.50	5.00	10.00
Rhode Island Reds.....	2.50	5.00	10.00
Broiler Chicks.....	1.63	3.25	6.50

Our last hatch will come off Aug. 19th. Order quick. Catalog free. Mention A. P. J.

**20th CENTURY HATCHERY, Box 73, Chatfield, O.**

## Bargains—Bargains

**"Baby Chicks of Quality"**

### White Plymouth Rocks

(Fishel Strain)

high grade chicks ready for shipment in any number.

**Broiler Chicks**

from several breeds will be furnished in order to keep our incubators going full capacity.

**Special Sale of Breeders**

a fine lot of hens at a bargain. Handsome Catalogue FREE.

**R. C. CALDWELL**

Lyndon, Ross County, Ohio



## ANNOUNCEMENT.

Secretary Jas. J. Long of the St. Louis Poultry, Pigeon and Pet Stock Association, Inc., (member of the American Poultry Association), announces that the association will hold its annual show in St. Louis, Thanksgiving week, November 24 to November 29, inclusive, 1913.

For the enlightenment of the public, we wish to announce that the above organization was the one which gave the great show of November 1911, which was conceded by the Poultry Press to be the finest ever given in the city of St. Louis and the best managed show in the United States. This organization is incorporated under the laws of Missouri and represents a membership of over seventy-five of the best breeders of fancy poultry in this locality. We hold an enviable record in regard to honesty and of payment of prizes. A complete list of the judging staff will be announced later. For further information regarding the exhibit, space and premium list, ad-

The Paterson, New Jersey Poultry, Pigeon and Pet Stock Association will hold its annual show November 19-22, 1913, at Paterson, New Jersey. Dr. Gilbert Johnston, secretary.

The Charleston Poultry Association will hold its annual show January 8-14, 1914, at Charleston-Kanawha, W. Va. R. L. Simmons and Percy Cook, judges. Julin C. Byrd, secretary.

Long Island Poultry Association will hold its annual show October 28-November 1, 1913, at Patchogue, N. Y. W. J. Stanton, judge. C. W. Coleman, secretary.

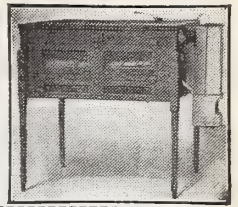
Xenia Fanciers' Club will hold its annual show December 2-6, 1913, F. G. Case, judge. F. G. Spahr, secretary.

The Fort Worth Poultry and Pigeon Association will hold its annual show November 22-29, 1913. H. B. Savage and T. H. Wood, judges. Emmet Curran, secretary.

## BANTA

Incubators never disappoint

Write for Catalogue of high-class Incubators and name of dealer where you can inspect them. 50-egg up to 800-egg. Also Brooders and Poultry Houses. THE BANTA & BENDER CO. 600 3d St., Ligonier, Ind.

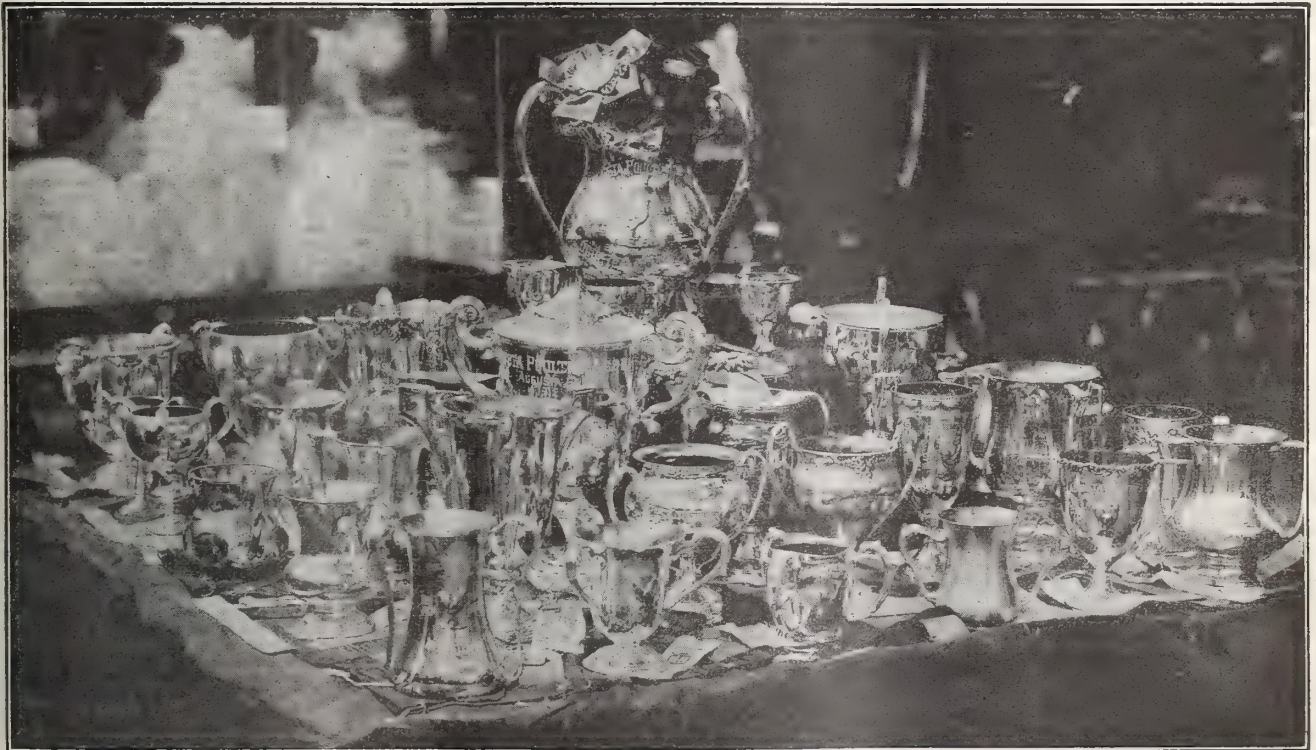


## Don't Feed Green Food!

Do away with the bother by using **Succulenta Tablets**

They are better and cheaper and more relished by all fowl. Simply dissolve one tablet in one quart drinking water for fowl. Sample can (100 large tablets) by mail 50c. Can of 250 large tablets by mail \$1.00.

Drop postal for particulars to The Succulenta Co., P. O. Box 405-1 Newark, N. J.



A few of the many prize cups won by Owen Farms. Maurice F. Delano, Prop., Vineyard, Haven, Mass.

dress Jas. J. Long, Secretary, 4115 Louisiana Avenue.

Galva, Ill., Poultry show will be held January 5-9, 1914. E. G. Teaney, judge. Edw. Iverson, secretary. Galva, Ill.

The Mid-State Poultry Association will hold its second annual show, December 10-12, 1913, at Central City, Nebraska. W. D. Farrand, secretary.

The Second annual show of the Monroe County Poultry Association will be held January 13-16, 1914 at Stroudsburg, Pa. The motto of this association is "Favors to none, but a square deal to all." E. M. Paxton, secretary.

De Kalb County Poultry Association will hold its annual show Jan. 7-11, 1914, at Auburn, Ind. A. E. Hamlin, judge; Wayne W. Otis, secretary.

The regular annual Kansas City Poultry Show will be held December 1-6, 1913, at Kansas City, Mo. E. L. Noyes, secretary, Manhattan Bldg., Kansas City, Mo.

The Upshur County Poultry Association will hold its second annual show December 30-31, January 1-2, 1914, at Buchanan, W. Va. H. H. Barger, judge; A. S. Watkin, secretary, Buchanan, W. Va.

The Tri-County Poultry Association will hold its second annual show December 16-20, 1913, at Cowden, Ill. B. H. Shinoske, judge. B. W. Breighnef, secretary.

The second annual show of the Poultry Fanciers' Association of Long Island will be held at Hempstead, L. I., N. Y., November 10-15, 1913. Card, Wolseifer, Stanton and Rowland Story, judges. R. H. Wilcox, secretary.

The Philadelphia Poultry, Pigeon and Pet Stock Association will hold its annual show December 16-20, 1913. Judges will be announced later. F. E. Gilbert, secretary.

The forth annual exhibition of Champaign County Poultry and Pet Stock Association will be held December 30, 1913-January 2, 1914, at Champaign, Ill. D. E. Hale, judge. Paul T. Bacon, secretary.

St. Marys Poultry Club will hold its first annual show December 16-19, 1913, at St. Marys, Pa. F. V. L. Turner, judge. F. D. Lambert, secretary.

## HALF PRICE

### Day-Old and 8-Weeks-Old Chicks and Hatching Eggs

Second midsummer reduction sale began June 15. All stock genuine Pittsfield Strain Barred Rocks. Send your order in today and save half the cost. Can make immediate shipments or any date wanted. Order now for best selection of Breeders for 1914.

**Pittsfield Poultry Farm Co.**  
102 Main Street Pittsfield, Maine

**SUCCESS** in Poultry Culture depends upon EGG'S. Hen Comfort means more EGGS and greater profits. Lice, Vermine, etc. are the greatest menace to your pocket book. The Magic Insect Exterminator will rid your poultry and nests of these pests. Make it yourself at small expense. Complete Formula and Instructions only \$1.00. Money back if you are not absolutely satisfied with results. Descriptive circulars and particulars FREE.

A. T. B. SALES COMPANY  
223 Fourth Street Donora, Pennsylvania

## See Big FREE BOOK Offer on back inside Cover

## BARGAIN PRICES ON EGGS

From our best matings for August delivery. Both old and young stock for sale. Mention A. P. J. GENSEMER BROS. : 161 MAIN STREET : CRESTON, OHIO

## MINORCAS

**GIANT STRAIN OF S. C. BLACKS**  
Minorcas with desired size, shape and color. 300 early hatched chicks now ready for Fall and Winter shows. Stock from Chicago, Buffalo, Memphis and Indianapolis winners. John L. Brown, Member A. B. M. Club, 2337 Brown St., Anderson, Ind.



**WARD'S CHAMPION DARK CORNISH**

Ward will be in England entire month of August. Address all mail to me at Clamptit, Callington Cornwall, England. Mention A. P. J.

JOHN W. WARD, JR.

-- BOX 7

-- PENNINGTON, NEW JERSEY

**R. C. REDS**

We have 2,000 of the finest youngsters we ever raised coming on for the Fall and Winter trade. Some bargains in this season's breeders if taken soon. Mention A. P. J. in writing.

Longfield Poultry Farm :: Box 321 :: Bluffton, Indiana

**800 "Missouri" White Leghorn Breeders, \$1.00**

A bargain sale to make room for young stock. Your chance to secure Missouri's finest line bred Winter laying Leghorns cheaply. August positively the last month of sale. Write today for catalogue.

Missouri White Leghorn Farm, Box A, Valley Park, St. Louis Co., Mo.

**IDLEWOOD POULTRY FARM**

"The Coming Champions"—Winners in America's largest shows. Hundreds of promising youngsters developing. Send for illustrated catalogue and mating list. :: Idlewood Poultry Farm, Swanville, Penna.

**ROSEMONT FARM**  
**SINGLE COMB BROWN LEGHORNS**

At greatly reduced prices. Mated pairs, trios and pens from my famous "Queen of Missouri" strain. All breeders and eggs half price. Mating list free. Mention A. P. J.

Elmer V. Schultz -- Box 500 -- Webster Grove, Missouri

**BUFF ORPINGTONS**

My sales of Buff Orpington stock, eggs and chicks, January 1, 1913 to June 15, 1913, amounted to \$1,827.63, an average of \$332.33 per month. This merely shows that when a man has the stuff and treats his customers right he will get his share of the business. I have eggs for hatching every day in the year (half price now). A number of trapnested yearling hens for sale now, \$2, \$3, \$5 each and up. They more than laid their value in eggs last Spring alone—I need the room now for youngsters—hence the low prices which cover selling expenses only. I publish the finest Buff Orpington catalogue—36 pages—fully illustrated—gives complete list of prices, etc.—sent free by just addressing

F. A. Kaup, The Buff Orpington Specialist : : Desk One, Chicago, Illinois

**THE BEST IN WHITE RUNNERS**

We have bred, sold and exhibited more strictly high class White Runners than any one. Can furnish you winners or selected breeders.

Mrs. U. R. Fishel : Box A : Hope, Indiana

**"PREMIER" PARTRIDGE WYANDOTTES**

Winners at the leading shows. Hardy, quick to mature and great Winter layers. Attractive prices on high class breeding stock. Write for information regarding valuable cash prizes offered our customers at the Ohio, Illinois and New York State Fairs. Mention American Poultry Journal.

Sheffield Farm -- H. B. Hark, Manager Poultry Department -- Glendale, Ohio

**FOXHURST FARM**  
**Champion Black Orpingtons**

Make a world's record at Madison Square Garden, winners of all five first prizes. Of 30 birds entered 22 wore ribbons. Our birds have been scientifically line bred for 9 years and have been largest winners at New York for past five. We breed our champions and are not importers. Summer prices on all stock, including our New York champion winners, are one-half, delivered at your convenience. See catalogue.

FOXHURST FARM : LIME ROCK, CONNECTICUT

**Special Sale of R. C. Reds**

We offer breeding females at big reduction to make room for young stock. A few good males left. Write us for special prices. Stock on approval always. Address

Simmons &amp; Crittenden : : Geneva, Ohio

**OLD HONESTY HEATER CO.**

Just what poultrymen were looking for this long time. A new invention to get Winter eggs and raise chicks successfully. Patent granted March 26, 1913. Write for circular (free). Tells you all about it.

Old Honesty Heater Co., Dept. A, New Washington, Ohio

**S. C. BUFF AND WHITE LEGHORNS.**

For completeness and exaction in plant and breeding the Monmouth Farms, at Freneau, N. J., are today one of the largest and best we have ever visited. From a small beginning this plant has grown year by year under the watchful eye of Mr. Punderford, until covering as it now does about 40 acres and is one of the plants we can point to with pride, that has been a money-making success from the first.

Personal care and watchful study of details, along with the highest possible grade of stock, stand for progress and, combined with proper publicity, assure the breeder the desired results. Mr. Punderford believes it is up to the man, and to our notion has amply proven this correct, for he who will but try can find pleasure and profit in poultry keeping.

At the time of our last visit to this plant early in the spring Mr. Punderford had hatched and growing upwards of two thousand youngsters, with many crowing at that time. There were both Buff and White Leghorns weighing close to two pounds, and a more promising lot is hard to imagine. In quality they were a real revelation. The Buffs sound in a rich Golden Buff, of good bone, and most promising head points; the full feathered tails, carried low, being a pronounced feature. The Whites are also desirable and full of promise, perfectly sound and well carried. Of the breeding stock we wrote at that time.

In a letter Mr. Punderford informs us that those young ones have kept every promise of their quality; that they are "great" and that he is better than ever before prepared to supply all demands made on him for early hatched and matured exhibition and choice breeding birds. The early shows are upon us now and if you wish to win and make a start for better poultry, here is your opportunity. Mr. Punderford will do just as he agrees for you.

This line by its great winning at Madison Square Garden (New York) and other shows, and by its value as a breeding line, is most favorably known. In Buff it has, without question, led all for years and years, and in Whites it has made rapid strides and has won its place of superior quality at leading exhibitions. Along with their exhibition quality they have a breeding worth that should be well considered, the faculty of reproducing being one of special value and one you will find in this line to an exceptional degree.

We have pleasant memories of our several visits to this plant with its ivy-covered office, the privet hedges, the clean, roomy houses, the ideal brooder houses, the large yards and the grassy ranges through the wood for the youngsters. All is in harmony and all points to the possibilities of successful poultry keeping. —H. P. Schwab.

**OPENS NEW BRANCH.**

In accordance with its long established policy of business expansion, the H. W. Johns-Manville Company has recently opened a branch office at Charlotte, N. C. The new office, which is located in the Commercial Bank building, is in charge of Mr. E. C. Heslop, who is assisted in covering the western section of North Carolina by Mr. P. J. McCusker and Mr. Paul W. Whitlock.

**INCUBATOR PATENT SUIT DECIDED.**

The court decides that the Newtown incubator does not infringe the patent of the Hall Mammoth Incubator Company.

An interesting decision was handed down on June 5th by Judge Ray of the United States District Court of the Northern District of New York, at Utica, in the suit which had been begun a year or two ago by the Hall Mammoth Incubator Company against a customer of the Newtown Producing Company named Charles Teabout, charging that the Newtown heater infringes upon the Hall patent owned by the Hall Mammoth Incubator Company. This suit was widely advertised by the Hall company, and a decision has been awaited with interest by the trade. The suit came to a final hearing, and the question at issue was that which had been fully discussed by the patent experts who testified upon both sides of the case, namely, Does the Newtown heater infringe the Hall patent? After a very full consideration of the whole subject and many quotations from the testimony, Judge Ray has decided that there is no infringement.

The opinion consists of twenty-three



printed pages and is too long to reproduce in full. It concludes with the statement that "Defendant has a combination which does not infringe the patent in suit," and orders the bill of complaint which had been filed by the Hall company to be dismissed with costs.

This will be interesting news to those who have purchased the Newtown incubator and who may have been threatened by the Hall company with infringement proceedings, as it may be taken as an assurance that such customers will not be subjected to any such infringement suits.

### THE GROVE CHALLENGE TROPHY.

This magnificent trophy was constructed at a cost of over \$500 and is the most expensive prize ever offered at any poultry show. It was donated by E. W. Grove, Jr., to the National Single Comb White Leghorn Club for annual competition, and was awarded to Eugene C. Smith, 317 Galena Boulevard, Aurora, Ill., for winning the largest number of points at the national meet of this club, held in connection with the St. Louis show, in November, 1912—the first time in the history of the club that the national meet was ever held outside of the Madison Square Garden Show, New York.

Mr. Smith advises us that this year he has the finest lot of young stock that he has ever raised, and they will be in prime condition for the fall and winter shows. His booklet is one of the neatest we have ever seen and will be sent free upon request by addressing him as above.

### FIRE SALE.

Upon the afternoon of June 17, at 3:30 o'clock, lightning struck our conditioning room and destroyed by fire the above, our office, our 6,000-egg incubator, our continuous brooder house, nearly all our letter files, office furniture, etc., in all a loss of about \$3,500, only half covered by insurance.

We were fortunate to have all our young chicks in colony houses and our incubator had been closed for about ten days, and we only lost about fifteen cock birds in the way of stock.

It has been our policy to put back into our business all our profit, and such a loss necessarily leaves us without sufficient funds to rebuild. To this end we are going to offer our customers and the Black Orpington loving public at large some very special prices on all our stock during the month of August.—Carl J. Carter, proprietor Blue Ribbon Poultry Farm, Columbus, Ind.

We desire to call attention to the special sale of Rose Comb Reds now being held by Simmons & Crittenden, Geneva, Ohio. They are offering some fine breeders at extremely low prices. The Reds they offer are from their breeding pen of this season and are bred in the same line as their winners at Pittsburgh, Chicago, Boston and Cleveland. You will make no mistake in writing them and taking advantage of this splendid offer.

### 2 - LEADERS - 2

Eaton's Climax Grain Mixture and Eaton's Perfection Mash

Our booklet FREE. Your dealer or  
R. D. EATON GRAIN & FEED CO.  
Dept. J, Norwich, New York



### RANGE-RAISED LAYING - LEGHORNS.

S. C. WHITE LEGHORNS, Yesterlaid Strain—Superior as layers and exhibition fowls. Acknowledged the best by 17 State Experiment Stations that have bought Yesterlaid stock or eggs. New customer offer includes Poultryology (most complete poultry book ever written) free.

Yesterlaid Egg Farms Co., Dept. 5, Pacific, Missouri

## URBAN FARM CHAMPIONS

Black Langshans, White Rocks, S. C. Mottled Anconas, Silver and Golden Campines, Black Tailed Japanese Bantams. Write your wants. Mention A. P. J. when writing.

URBAN FARMS - PARK RIDGE - BUFFALO, NEW YORK

## ROSE COMB RHODE ISLAND REDS

Winners at New York, Boston and Providence. Fifty fine breeding and show hens at \$2.50, \$5 and \$10 each. A few nice males at \$5, \$10 and \$15 each. Catalogue free. Satisfaction guaranteed.

PAYNE BROTHERS - Box J - PORTLAND, CONNECTICUT

## TAKE ADVANTAGE OF THIS OPPORTUNITY

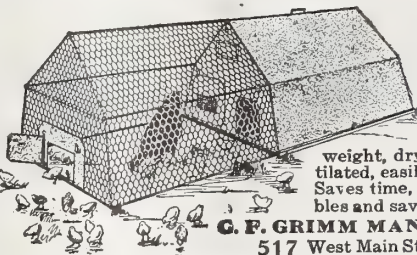
Am offering yearling and 1913 hatched birds that will win anywhere and trapnested utility S. C. Black Minorcas at introductory prices. The superiority of our birds as layers of large white eggs—their type, size and quality and our price will encourage you to adopt them exclusively. Mention A. P. J. when writing.

CHARLES G. PAPE - BOX B74 - FORT WAYNE, INDIANA

## GRIMM'S CONVERTABLE BROODERS

The roomiest steel brooder made. The wood bottoms are chemically treated which makes them immune from lice, mites, and rats will not gnaw them. Vermin proof. Write for our circulars and read what many satisfied users say.

\$1.85 without yard, \$2.50 with yard, Hovers 50 cents. Heaters \$1.50 complete (top heat) Makes a safe place for the setting hen.



10 square feet of floor space in brooder and yard. Size of brooder 2½ feet long, 2 feet wide and 18 inches high. Yard same size. They are built for continuous service, are lightweight, dry, strong, large, well ventilated, easily cleaned and kept clean. Saves time, saves money, saves troubles and saves the chicks.

G. F. GRIMM MANUFACTURING CO.  
517 West Main Street Atchison, Kansas



## THE O. K. SANITARY DRINKING FOUNTAIN

Well made of galvanized steel throughout. The pan from which the fowls drink is seamless, being stamped up from a disc of sheet steel, and galvanized after stamping—this makes it most durable. The water is poured in at the top the same as into a pail, and the detachable valve, which can be removed and replaced instantly, makes the O. K. Fountain the easiest to keep clean, and consequently most sanitary. The double wall construction keeps water cool and fresh in summer, and prevents freezing in winter. Made in three sizes for chicks and fowls. Let us send you our catalogue No. B-20 which gives complete description of these drinking fountains, and several other new labor-saving poultry yard devices. Mention American Poultry Journal.

THE OAKES MFG. CO. (Factory and Main Office) TIPTON, INDIANA  
Eastern Branch, 64 Cliff St., N. Y. City; Canadian Branch, 415 Symington Ave., Toronto

1000

## WHITE LEGHORN & R. I. RED

### BREEDERS OF AMERICA'S STRONGEST

1000

BLOOD LINES AT REDUCED PRICES NOW \$1.50 TO \$3.00 EA.

PULLETS 6 TO 10 WKS. OLD 50¢ TO \$1.00 EACH

50,000 CHICKS ANNUALLY QUANTITIES SPECIAL PRICES

CLOVERDALE CO. RANSOMVILLE, N.Y.

## "O. K." Poultry Litter

TRADE MARK

Cheaper and much better than straw, clover, alfalfa, sawdust, shavings or anything else ever thought of for litter.

### "O. K." Keeps the Poultry Houses Clean, Dry and Sweet without Once Cleaning Out

One lot of "O. K." Litter lasts until the chicks have outgrown the brooder. In coops, laying houses, colony houses and scratching pens "O. K." Litter dries up the droppings so that the house is always dry, clean, sweet-smelling and sanitary, and needs cleaning out only once in four or five months. A tremendous saver of time and money.

### WRITE TO-DAY FOR FREE SAMPLE

"O. K." Litter will not burn. Lice will not come where it is used. Tell us how many hens and chicks you keep—we will tell you how much "O. K." Litter you need. Write New York for free sample and printed matter.

**O. K. COMPANY, Dept. 173, 157 Water Street, New York City**  
Direct shipments also from Chicago and New Orleans.



# 43 Varieties

Poultry, squab breeders, fancy pigeons, ducks, geese, peafowl, pheasants, wild game, dogs, incubators, feed and supplies. Handsome catalog containing 150 illustrations, four cents.

MISSOURI SQUAB CO. Dept. R KIRKWOOD, MO.

## BUFF ORPINGTON SALE

Overstocked, will offer 200 GRAND breeders at less than half value—males \$2.50 and up, females \$1.50 and up, pens \$7 and up. Price list FREE. A guarantee to please. J. S. Frazier, Box B, Advance, Indiana

## GOLDEN AND BUFF WYANDOTTES

I have some choice breeding and show birds that I will sell at a bargain as I need the room for young birds. Will price every bird on the place, none reserved. Young birds now ready for early fairs and shows. J. S. PENNINGTON : : : BOX A : : : PLAINFIELD, ILLINOIS

## CHERRY REDS ARE WINNERS

SINGLE COMB REDS—Drop a card and get in touch with your Fall winners. Mention A. P. J. when writing. ERNST F. BIRKHOLZ : : : WILLOUGHBY, OHIO

## S. C. W. ORPINGTONS

Of the Better Kind—Now ready for the early shows. Bred from our last season's winners.

### 400 Birds to Select from

and everyone a prospective prize winner. Write at once for prices and particulars. Also have some choice Partridge Plymouth Rocks. Mention A. P. J.

**PARK POULTRY YARDS**  
MRS. REGINALD STONESTREET GLENDALE, NASHVILLE, TENNESSEE



Best Hen in Whole Show, Columbus, Georgia, 1912.

## THE NECESSITY OF USING A TYPEWRITER.

Today a typewriter is absolutely essential in writing business letters of any nature. It is an injustice to any business man or business house to correspond with them in long hand.

Even though you write only one or two business letters a week, these letters should be typewritten. We all now-a-days have lost the ability to write in the beautiful flowing copper plate style of writing of our grandfathers and the modern hand written letter is responsible for an enormous number of mistakes of all kinds; some of them costing far more than the price of a typewriter.

Most people, even completely recognizing the fact, that business correspondence should be typewritten, find that an expense of One Hundred Dollars for a typewriter is beyond their reach. Even though they realize that it is expensive and undignified to try to get along without one.

There is an enormous demand today for a thoroughly reliable and satisfactory typewriter, at a price within the reach of the man having even only one or two letters a week to write, and Harry A. Smith, realizing this demand for a machine that can be relied on to do perfect work and give satisfactory service, is offering in this issue a typewriter that will write a clean cut and perfect letter and stand up under the hardest kind of usage, at a price making it possible for everyone to enjoy this convenience and business necessity.

We have a communication from Herbert H. Knapp, secretary and general manager of the Co-operative Breeding & Hatching Company, of Tiro, Ohio, in which he states that they are having a most successful season shipping day-old chicks, having delivered 150,000 since March 1, with the demand still continuing. They still have 28,000 eggs in the machines and expect to hatch as long as they can get fertile eggs, which will be about October 1. Mr. Knapp also states that his company has been unable to supply the enormous demand they have had for their "Better Hatched" chicks, which he believes is due to their superior system of hatching and the special attention given to each individual order, large or small. It is the customers that come back that count, and the Co-operative Breeding & Hatching Company now have a clientele that take their output as fast as it can be produced. If you wish to tie up to a reliable firm of baby chick men don't overlook this successful company. Their ad appears on another page. Their August and September prices are very low. Look for the stork trade-mark.

The Automatic Sanitary Trap Nest Company, of Duluth, Minn., have just issued a new booklet full of information concerning the great benefits to be derived from trap-nesting. It tells what all the leading poultry journals say, what all the leading breeders say, and what the big advertisers have to say about the necessity of trap-nesting and trap-nest advertising. The automatic sanitary trap nest does away with all care, labor and loss of time, no watching for the hen to enter the nest, no waiting for her to lay, no removal of the hen, no resetting of the nest—in fact, there is nothing to do but gather the eggs. Every poultryman should have a copy of the booklet. It is free for the asking. Address Automatic Sanitary Trap Nest Co., Duluth, Minn.

On another page will be found an advertisement for the International Poultry School of Detroit, Mich. This school is presided over by the officers of the International Accounts Society, which is the oldest and most successful correspondence school of its kind in America. The course they have issued is practical and thorough. It consists of seventeen distinct lessons, in addition to text books, and is not a reading course, but one that requires study coupled with written examinations. They have issued at a great expense a handsome booklet entitled "Poultry Culture," which will be sent free to any one who is interested in this business, entailing no obligation. Ask for booklet "H." Their address is Box 98, Detroit, Mich.

Parkway Farm, Trenton, N. J., breeders of Silver Penciled Plymouth Rocks, S. C. White Leghorns, Partridge Plymouth Rocks and Silver Campines, inform us that they have 10,000 young birds on range and are in a position to furnish pullets and cockerels for the early fall and winter shows. Write them for full particulars.

## GET READY

Buy coops now for county and state fairs. We make training and exhibition coops, brood, setting and colony coops, fireless brooders, portable hen houses, trappings, portable fences and runways, collapsible show coops to coop poultry shows, etc. We will be at the state fair, Springfield, Illinois; don't fail to see us there. Write now for catalogue, it is free. Mention American Poultry Journal. Address

Niemann Bros. Mfg. Co., Box 677, Mt. Olive, Ill.

## Don't Build

YOU can buy better, cheaper, more complete ready (factory) made hen-houses, roosting and nesting fixtures, coops, etc., from Potter & Co., because they buy lumber in carloads, cut and fit all parts perfectly by automatic machinery and deliver the house, coop or fixture you need in convenient sections all ready to set up.

### Potter Poultry Houses and Fixtures

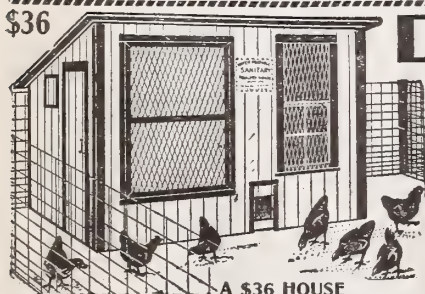
Portable, Sanitary, Inexpensive

Have been on the market for over ten years and are used and recommended by thousands of poultry keepers who want the best and buy the best in poultry houses and equipment. You start right when you buy a Potter portable with complete outfit of roosts, drop board and nests. A clean sanitary house means healthy hens and lots of eggs. It is only one of the twenty styles of houses and coops we make ranging in price from \$3.50 up and everything we make is absolutely guaranteed.



A \$6.60 HENNERY OUTFIT

No. 19, style "A" 6-ft. 3-perch complete Potter hennerly outfit for 36 hens. This same style made in 12 sizes.



A \$36 HOUSE

No. 5, style "D" 8x10-ft. Potter portable open front, fresh air, scratch shed house, equipped with No. 17, style "A" 5-ft. 3 perch complete hennerly outfit for 30 hens. Price of complete house, \$36. Painted 2 coats.

eggs. The fresh air sanitary house shown here is only one of the twenty styles of houses and coops we make ranging in price from \$3.50 up and everything we make is absolutely guaranteed.

### Send for Our Big Catalogue

Contains 132 pages and over 150 illustrations showing Potter portable houses, coops, hennerly outfits, feed hoppers, brooders, hovers, feeds, etc.—in fact—everything the poultry keeper needs to insure the greatest success. Catalogue mailed for two red stamps to cover postage. Write for it today and save money. Mention this poultry magazine.

## Potter & Company

BOX E-21

DOWNERS GROVE : ILLINOIS



**HUMPHREYZE**

The new way to make hens lay. "The Golden Egg" tells all, free. A Humphrey Bone Cutter on free trial. **HUMPHREY White St. Factory, Joliet, Ill.**

**Ideal Aluminum**

**LEG BANDS** for POULTRY and PIGEONS are the acknowledged leaders. Firmest and most secure lock. **GUARANTEED to stay on.** Price, postpaid, 12 for 15c; 25-20c; 50-35c; 100-60c; 175-\$1.00; 200-\$1.10; 500-\$2.50. Price list and sample 2c.

**Frank Myers, Mfr., Box 40, Freeport, Ill.**

**Komon-Sense**

**130 Egg Incubator \$7.50** Double-wafer regulator, high legs, deep nursery, egg-tester, lamp, thermometer, complete, ready to run. Thirty days' trial; satisfaction or money back. Incubator and Brooder \$10.50, freight paid east of Rockies; Brooder \$4.00. Order direct or send for Free Book.



**Komon-Sense Incubator Co.**  
Box 68, Racine, Wis.

**HIGHEST SCORE EVER WON**

**100** Envelopes, 3½x6½ inches, an extra strong, thick, smooth, slick, white writing face, and 120 Letterheads, 8½x11 inches, heavy, hard, smooth, slick, pure white writing paper, all artistically printed and illustrated with latest new Standard cuts of your breed for only \$1.00. Express charges paid by me. Better printing for the price was never done. No order less than \$1.00 filled. Name your Express office. Cards, tags and egg labels same price as above.

Address, **J. R. HUDSON, Hardin Springs, Ky.** I have seen samples of Mr. Hudson's printing. It is very nice; he is perfectly honest.—**EDITOR**

**CELLULOID LEG BANDS**

Made in Seven Colors—Red, White, Blue, Pink, Amber, Black and Ruby. They mark your poultry so that you instantly know without handling, individual birds, one mating from another, and pullets from hens. Prices: 12 for 25c; 25 for 50c; 50 for 85c; 100 for \$1.50.

**Bands for Half-grown chicks in Five Colors—**Red, Blue, Pink, Amber and Black. Prices: 12 for 25c; 25 for 40c; 50 for 75c; 100 for \$1.25. **Baby chick bands in Six Colors—**Red, Blue, White, Amber, Pink and Black. Prices: 12 for 20c; 25 for 35c; 50 for 60c; 100 for \$1.00. Address all orders to

**CHAS. L. STILES, COLUMBUS, OHIO**  
232 NORTH THIRD ST.

**FEED**

**More Phosphorus and Less Protein!**

**"Hen-o-la" Dry Mash**

Fed in conjunction with

**"Hen-e-ta" and "Succulenta"**

**Requires Absolutely Nothing Else**

Because the three make a complete balanced ration, rich in phosphorus.

**The Lack of Stamina and Vitality**

In the birds is the cause of 95% of the failures in the poultry business. Therefore see to it that you are one of the successful 5% this year by putting your birds on this economical scientific *horse sense* system that produces Stamina and Vitality; convince yourself by giving it a thorough trial.

Let us send you report from a leading experiment station that has fed 31,500 lbs. "Hen-e-ta" during the past four years, and is still feeding same.

The above system makes poultry-keeping wonderfully simple and cheap.

If your dealer will not supply you, please write us for full information and prices on "Hen-e-ta," "Hen-o-la" Dry Mash and "Succulenta" tablets—green food substitute.

Valuable Booklets Free

If you will give us your dealer's name and address.

**HEN-E-TA BONE CO.**

Newark, N. J. Dept. 1, Flemington, W. Va.

**WORTH LOOKING INTO.**

The Poultry Appliance Company, 967 16th St., Milwaukee, Wis., is offering a big bargain to our readers and will send one galvanized water fountain, one dry mash feeder, one grit feeder, one beef scrap feeder, one oyster shell feeder, one copy of "Modern Poultry Equipment" booklet, and one copy of "Success and Profit" in Poultry Feeding, all five of these useful articles sent prepaid to your address for \$1.00. This is done to introduce their line of goods and in an advertising way only, and is offered as an introductory. Readers should take advantage of same at once.

**LICENE KILLS THE LICE.**

When other lice-killers fail, try Licene; it does the work every time. Send to the Licene Co., Pontiac Bldg., Chicago, Ill., 50c and they will send you enough Licene for 200 birds. Read this testimonial:

Wall Walla, Wash., May 19, 1913.

Gentlemen: I have given Licene a thorough test this spring. I want to say right here that the breeder who has 100 or more birds in the breeding yards must certainly appreciate the time, worry and work saved when he can go out and in two hours' time treat every fowl and know that the lice troubles are over for the season sounds too good to be true, but I can testify to it now—I have made a 50c box of Licene destroy more lice than \$5.00 worth of lice powder would do and did not lose my temper and sneeze my head off while applying it either. I am yours kindly, **W. S. Cotten.**

**A 3-MONTH TRIAL SUBSCRIPTION**

To Reliable Poultry Journal, only 10 cents. Stamps are acceptable. Or, send for free sample copy of the most helpful poultry paper published. Address Reliable Poultry Journal Pub. Co., Box E-13, Quincy, Ill.

**A FREE SAMPLE COPY**

Of the Reliable Poultry Journal, one of the most practical and helpful poultry papers published, will be mailed upon receipt of a postal card request.

A 3-months' trial subscription will cost you only ten cents. Stamps are acceptable. Address Reliable Poultry Journal Pub. Co., Box E-13, Quincy, Ill.

Careful, competent and continuous culling is a very important and much neglected factor in poultry keeping. It is easy to detect and weed out runts and ailing birds by sight, but healthy hens that do not lay often enough to be profitable are not so easily discovered. "Ideal" trap nests, properly installed and used, show which hens lay and how well they lay more positively and with less expenditure of time than is possible by any known scheme of physical examination. The "Ideal" is the invention of Mr. F. O. Wellcome, Box J, Yarmouth, Maine. A postal thus addressed will bring free information and prices to those of our readers who wish to "Idealize" their flocks.

Park Poultry Yards, (Glendale) Nashville, Tenn., breeders of S. C. White Orpingtons and Partridge Plymouth Rocks, are offering some high-class early exhibition birds for sale that are bred from last season's prize winners. These birds were hatched early and are now up to standard requirements. They are bred to win and will win in the hottest competition. Write for prices on what you want.

Maurice F. Delano, successor to Owen Farms, Vineyard Haven, Mass., is now prepared to furnish either young or old birds to win at any fall fair or winter show. This farm has for a number of years made a specialty of furnishing winners at most all the leading shows—in Buff, White and Black Orpingtons, White Plymouth Rocks, White Wyandottes and S. C. Reds. Look up the ad of this farm in this issue and write for full particulars.

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**OUR ANCONAS WIN** at such leading shows—London, England, Madison Square Garden, Cleveland, Columbus, Toledo, O., and Allentown, Pa. J. O. Somers, Bedford, Ohio. 6-8

**PORTER'S BLUEBELL ANCONAS** please because they are right in type and color; circular with photos from life tells all. Also Rose Comb White Orpingtons. S. P. Porter, Mallet Creek, Ohio. 2-13-ft

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**BUCKEYES, WINNERS MADISON SQUARE,** Boston, Cleveland, Washington, Scranton. Catalogue free. Lindley Place, Meshoppen, Pa. 5-13-ft

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**WILLIAMS' SUPERIOR BUTTERCUPS.** Stock for sale. E. H. Williams, Berea, Ohio. 8-9

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**SILVER CAMPINES**—Improved Silver Campines, choice young stock. Rev. W. Berberich, Groton, N. Y. 8-10

**IMPROVED CAMPINES**—Golden and Silvers (yearlings) and young stock for sale (farm-raised). Catalogue free. Klager's Poultry Yards, Hespeler, Ontario, Canada. 3-9

**GOLDEN AND SILVER CAMPINES**—Mrs. Carver will sell a limited number of settings from two special matings at very reasonable prices. The same high standard of mating and breeding of this wonderful variety will be maintained for which this farm is noted. Address Mrs. Pearl Carver, care Carver's Red Farm, Seville, Ohio. 1-13-ft

**100 SILVER AND GOLDEN Campines** for sale from \$2.00 to \$4.00 apiece. Eggs, \$3.00 per 15; \$5.00 per 20; \$15.00 per 100. Chicks, 50 cents each. Campine Farm, Latimer, Iowa. 8

**SILVER AND GOLDEN CAMPINES**—Pens, \$10.00; eggs, \$2.00 per 15; \$10.00 per 100. Orpington Farm, Randall, Iowa. 8

**SILVER CAMPINES**—Oak Grove Farm, R. No. 34, Box A, Peoria, Ill. 8-10

**SILVER CAMPINE** (Jacobus Strain) cockerels and pullets for sale. Henry Heitkamp, New Bremen, Ohio. 8

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**PARTRIDGE COCHINS,** particularly fine. J. A. Junge, Opelousas, La. 5-9

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**SILVER SPANGLED AND BLACK HAMBURGS**—Originator of the "Black Diamond" strain. First cockerel, first pullet Madison Square. More firsts and specials at Columbus, Detroit, Mansfield, Greenwich and New London than all competitors. Also at Madison Square Dec., 1911, on two entries, 2nd cock, 2nd hen. Eggs, \$1.50 per 15; \$2.50 per 30. Breeding hens at reduced prices. Will L. Clark, Sullivan, Ohio. Pres. American S. S. Hamburg Club. 2-ft

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**HOUDANS.** Proprietor all Peterson's. Also book, 20c. Eggs, stock. Dr. Wight, Bolster's Mills, Me. 4-13-ft

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**SINGLE COMB WHITE LEGHORNS.** 750 breeding hens, \$1 each; bred to lay. 11 years' experience, satisfaction guaranteed; selling to make room for pullets. Cockerels \$2. H. C. Boss, Milford, N. J. 8-10

**THOROUGHbred** Single Comb White Leghorn yearlings, cocks and hens, \$1 each. Cockerels and pullets, \$1.50 each. Walnut Grove Egg Farm, 2 Willimantic, Conn. 8

**BUFF LEGHORNS**—Single comb; 500 head yearling breeders, \$15.00 per dozen females and 1 male, not akin, in best of health, flesh and feather, laying good; grand in color, size, comb and shape; splendid show birds in the lot at a sacrifice; but egg production is my money maker. Geo. C. Schwegman, 309 So. 4th St., Richmond, Ind. 8-10

**BARGAIN SALE** of record laying hens, also fine males. Eggs \$3.50 per hundred. Thousands already booked for next season's delivery. Welda's Vitality Strain Single Comb Brown Leghorns have a 7-year flock average egg record of 211 eggs per hen yearly. Bred 31 years for egg production. World's leading layers. Price smasher catalog free. Write your needs. K. K. Welda, Seville, Ohio. "The man who guarantees things." 8-10

**200 S. C. WHITE Leghorn yearling hens,** \$1 each. N. L. Marshall, Carrollton, Ohio. 8-10

**BUFF LEGHORNS**—One thousand March and April hatched pullets. Excellent stock. Will be laying when eggs are worth something. Dollar-fifty and two dollars each. Also fine cockerels. Wm. Everhard, Wadsworth, Ohio. 8

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**WYCKOFF WHITE LEGHORNS** (S. C.)—1,000 yearling hens, pullets and breeding cockerels, bully good birds at very moderate prices. Will stand return expressage any lot not highly satisfactory. Circular free. George Phillips, R. 111, Seymour, Conn. 8

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**S. C. WHITE LEGHORNS:** 1,000 yearling hens and 1,000 April and May hatched pullets at bargain prices. Write today. K. I. Miller, Box T, Lancaster, Mo. 7-9

**SPECIAL PRICES** ON R. and S. C. W. Leghorn pullets and hens, Easting strain, second-hand outdoor brooders, large corn sheller. Holbrook Poultry Farm, Homewood, Ill. 5-8

**MY WYCKOFF WHITE LEGHORN** breeders, great layers. Also a few Young's strain, low prices. J. A. Shineman, Canajoharie, N. Y. 7-9

**1,500 SINGLE COMB WHITE LEGHORN** cockerels for sale. They are scientifically bred from the best egg laying strains obtainable in this country. They are the cream of great layers. Our climate and soil being unsurpassed for raising poultry, we can therefore give you birds that are healthy and brim-full of life, vigor and vim. If you are not satisfied with your results in the poultry business, or if your stock needs some new blood, buy some of our cockerels bred from trap-nested stock; they will supply you with the missing link. Good layers mean success in the poultry business. Cockerels \$2.00 to \$5.00. 1,000 yearling hens at \$1.50 each. The Warren Poultry Farm, T. M. Bost, Prop., Wise, North Carolina. 8

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**PULLETS FOR SALE**—12 weeks old Single Comb White Leghorns. Satisfaction guaranteed. Harry Palmer, Middleport, N. Y. 8

**\$1.00 EACH—SINGLE COMB WHITE** Leghorns, pullets and cockerels, yearlings and cocks. Shipped anywhere. As many as desired. Write for catalogue. Woodworth Farm, Wilton, Conn. 8-ft

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**BLANCHARD WYCKOFF SINGLE COMB** White Leghorns. 30 eggs, \$1.28; 100, \$3.50. Hens \$1.00 this fall. Catalogue. W. Albers, Lombard, Ill. 6-8

**FOR SALE**—200 laying Single Comb Brown Leghorn hens. A. F. Lehman, Toulon, Ill. 6-8

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**ROSE COMB BLACK MINORCAS,** Northrup's strain. Chicks of all ages. Also my entire equipment. Write for prices. D. F. Brownell, Maryland, N. Y. 7-9

**R. C. BLACK MINORCAS**—Breeders at attractive prices. Also six S. C. hens. H. D. Barto, Route 2, Manlius, N. Y. 8

**MCCONNELL'S R. C. B. MINORCAS** win, weigh, lay, pay. Largest white eggs. Grand birds. Catalogue free. McConnell, Steubenville, Ohio. 4-13-1yr

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**COOK WILL TELL YOU** that I bought three \$20.00 settings Buff Orpington eggs. The young stock (weight about 3½ pounds), together with six new colony houses, for sale. Mrs. Karl Spear, Conewango, N. Y. 8-10



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**HIGH CLASS WHITE PLYMOUTH ROCKS,** Fishel strain yearling hens and cocks for sale. George Lehmkuhl, Box 182, New Bremen, Ohio. 8-9

**"LARGEST" BARRED ROCK**—I am making bargain prices on over 300 breeders one and two years old, of first-class quality, for 30 days only. Write for bargain sale list. Will also book orders for early show birds, hatched from my first prize matings at Illinois State Show and Rochester, N. Y., with score card after Nov. 1. Largest exclusive Barred Plymouth Rock farm in Illinois. Luther J. Hall, Route No. 1, Kenney, Ill. 11-12-11

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**ROSE AND SINGLE COMB** stock and eggs reasonable; Bushman's strain. August W. Schroeder, St. Peter, Ill. 8-9

**CARVERS RED FARM, SEVILLE, OHIO,** home of Carvers Famous Reds. Before buying eggs, get our great low "Live and Let Live" Prices. See advertisement on page 1138. 11-11-11

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**RHODE ISLAND WHITES**—Rose or Single Comb. Eggs, \$1.00 per 15. Henry Eichelmann, R. 4, Waterloo, Ill. 8

**JOCOY ORIGINATED THE R. I. WHITES.** He furnished the stock for the other breeders; there are many thousand who breed them now; they proved them not only good layers, but dressed poultry of superior quality. Booklet free. R. I. White Farm, Towanda, Pa. 8-10

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**GOLDEN BELL BUFF ROCKS**—Sicilian Buttercups. Silver cup winners. Stock, eggs, chix. Satisfaction guaranteed. H. L. Ragsdale, Centralia, Ill. 6-8

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**65 FISHEL WHITE RUNNERS** for sale. Henry Heitkamp, New Bremen, Ohio. 8-9

**WHITE INDIAN RUNNER DRAKES** for sale. The genuine, slim, racy, erect type. Lyle Smith, Owensville, Ind. 8

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**I OFFER GUARANTEED** mated Homers in any quantity at \$1.00 pair and challenge squab companies or dealers to produce better stock at twice this price. Beautiful White Homers, \$1.50 pair. Get my prices on Runts, Carneaux, Maltese Hens and save dollars. Charles A. Gilbert, 346 North American St., Philadelphia, Pa. 8

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**AMERICA'S LEADING WINNERS** in Giant Bronze Turkeys and Partridge Plymouth Rocks. See our adv. on page 1102. 2-11

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**AMHERST, REEVES, GOLDENS, SILVER** and Ring Neck pheasants at reduced prices for short time; 20c for booklet, "Pheasant Industry." Stamp for prices. Oak Grove Pheasantry, North Manchester, Ind. 8-10

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**FERRETS**—Both white and brown; over 20 years' experience. Small ferrets for rat and rabbit hunting a specialty. Illustrated book and price list free. Levi Farnsworth, New London, Ohio. 8-10

**FERRETS**—Price list and pamphlet free. M. Goss & Son, Wellington, Ohio. 8-11

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**RABBITS—GERMAN BLACK TIP,** French White, Straight Ear Angora, Black New England, China Blue. For prices write M. G. Reaves, Fairfield, Neb. 8

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**FOX TERRIERS**—All ages; best rat, pet or watch dog on earth. T. H. Kaldenberg, 1401 Main St., Pella, Iowa. 8-10

**RAT TERRIERS,** Scotch imported; will free your buildings from rats. Dogs for sale. Bert Michaels, Tiffin, Ohio. 8-9

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**BROODER FELT—CHICKS CAN'T PICK IT TO PIECES**—All sizes and widths supplied for any brooder made. It is the same kind that we use on our Hot Water Brooding System Hovers and which we guarantee for five years. In writing give width and length desired. Candee Incubator & Brooder Co., Eastwood, N. Y. 8-11

**CLEANLINESS AND PURE AIR** in Chicken-houses by Peat Dust. Booklet and sample free. Agents wanted. The Peat Company, 130 Manhattan St., New York City. 7-8

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**FOR EXCHANGE**—1912 M. M. motorcycle, worth \$150. For a Candee batcher or Ripley brooder, heater and hovers. G. A. Rule, 1802 North 51st Ave., Chicago, Ill. 8

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**WANTED:** 250 S. C. WHITE Leghorn pullets, range raised, April hatched. Delivery September 1. R. R. Tracy, Morrison, Ill. 7

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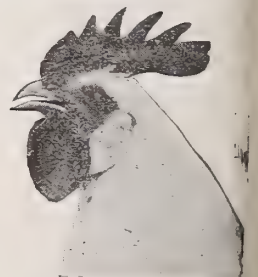
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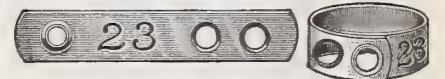
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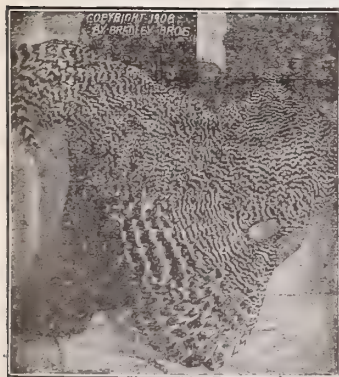
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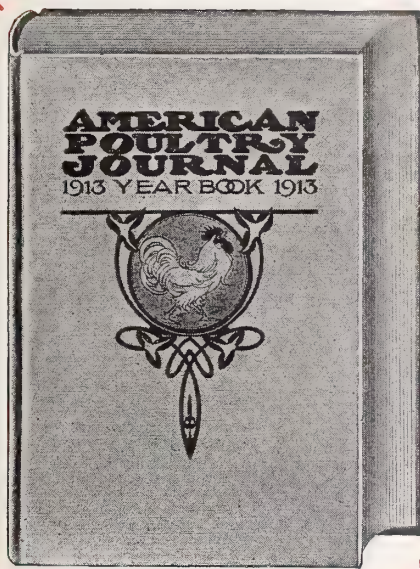
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The table of contents shows that it took 29 of the best poultry experts to edit and write the great American Poultry Journal Year Book for 1913.

The editors of the Year Book are: Jas. W. Bell, Editor in Chief; Clarence Ward, Managing Editor; Louis A. Stahmer, Artist and Contributing Editor; Dr. Prince T. Woods, H. H. Stoddard, C. W. Zimmer, Helen T. Woods, Miss Carey of England, are the contributing editors, besides 21 special articles by leading specialists on poultry culture.

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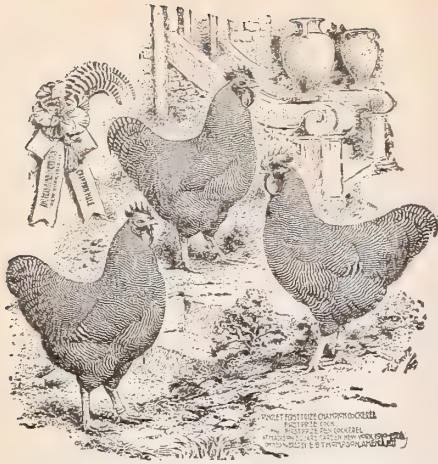
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Never before in the history of the breed has any exhibitor equalled the record made by my strain personally exhibited by me at the last Chicago and Indianapolis shows.

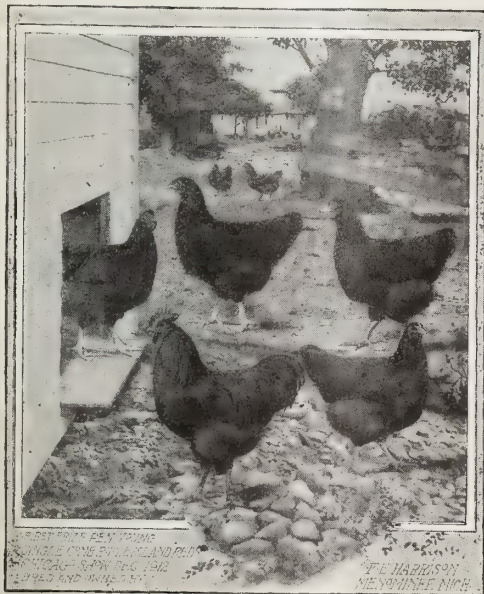
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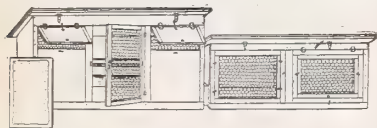
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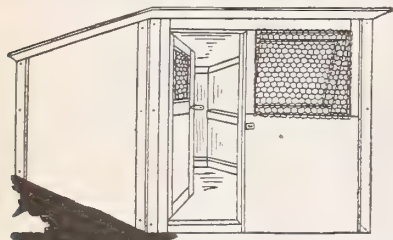
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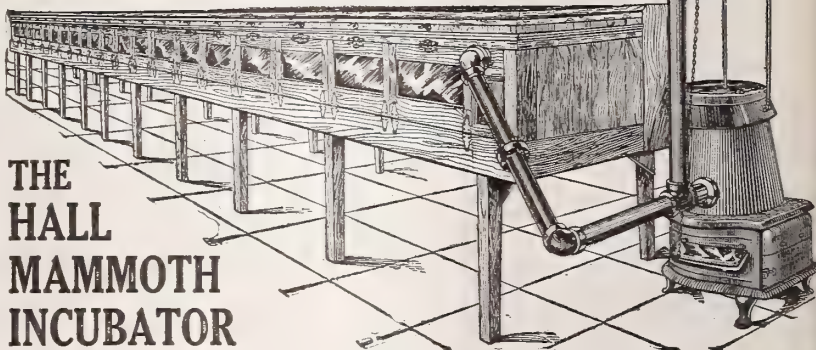
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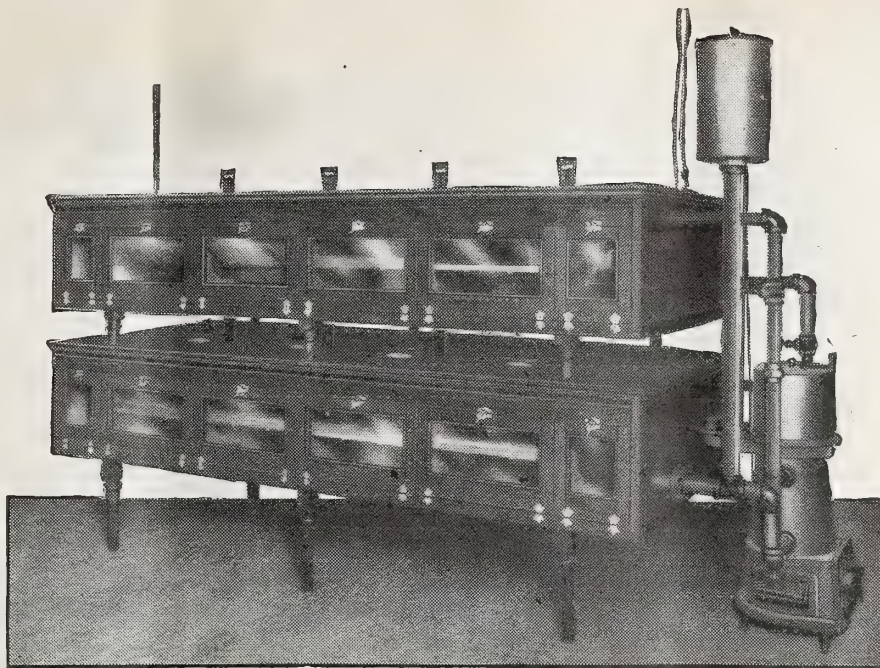
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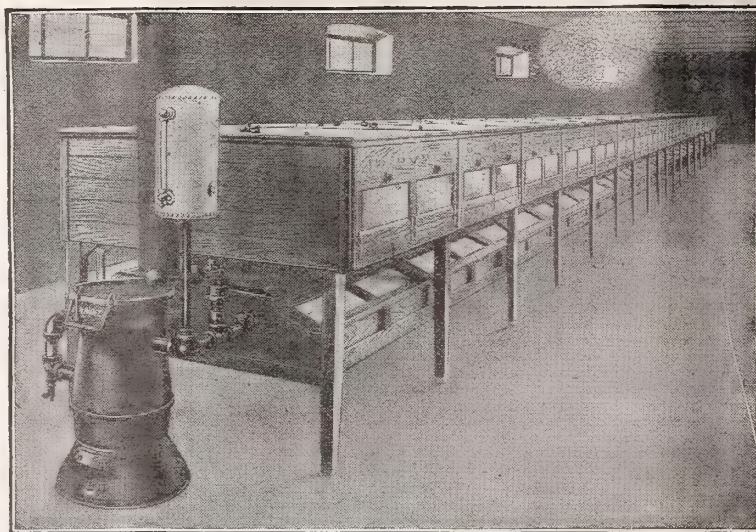
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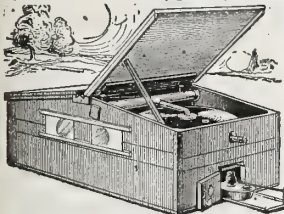


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\$850 to \$900 is the price asked for similar houses by other concerns. Here, then, is one of our special summer offers, and one which we have been considering for a long time, and have finally decided to make, to all those who during the summer of 1913 see fit to take advantage of this offer. This home is thoroughly practical. Solid, substantial construction throughout. Material all that can be asked. No. 1 joists, rafters and studding; Clear Siding, Clear Flooring, Clear

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**\$2.00 Buys Complete** perfect Blue Print Plans and Architectural Specifications, including full descriptive Material List, giving the size, style, quality and catalog number of the various items entering into the construction of this house. The same price will buy a set of Plans for any of the houses shown in our famous BOOK OF PLANS. If you haven't a copy of it, be sure and write for it at once.

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We will make you an estimate and name you our lowest freight prepaid price that will surely mean a big saving to you. Do not put it off—write today.

Come to Chicago. Make an inspection of our mammoth plant, located in the heart of

the greatest manufacturing district in the world. You will be agreeably surprised at the magnitude of our establishment, our stocks and our service. We are the only concern that has all its material right here at one plant, where you may come and personally inspect same and supervise the loading of your own car. Immediate action and attention guaranteed.

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**Galvanized Steel Roofing is Fire, Water and Lightning Proof**

We bought 20,000 squares of this Corrugated Iron Roofing, which we offer at this remarkably low price. It is new, perfect and first-class, but light weight. The sheets are 22x24 ins. x 1/4 in. corrugated. Our price of \$1.25 per square is f. o. b. cars Chicago.

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**62c per 108 Sq. Ft. buys best Rubber Surface "Ajax" Roofing**

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**BARB WIRE Less Than 2c Per Rod**

New galvanized, heavy weight barb wire, put up on reels about 100 lbs. to the reel. Lot 2-BD-26, per 100 lbs. \$2.05. Galvanized barb wire, light weight, first grade, best made, put up exactly 80 rods to reel, 2-point barbs. Lot 2-BD-28, per reel \$1.40.

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**In Sifting-top Cans,  
1 lb. 25c; 3 lbs. 60c.**

*Except in Canada and  
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Don't let lice get hold of your flock—to breed, cause endless irritation and all manner of skin diseases and sore spots. Take *quick* steps to get rid of lice.

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LOUSE KILLER**

**KILLS LICE.** Kills them quickly—surely. Sprinkle and rub it thoroughly into the feathers. Put it in the dust bath, sprinkle it in the laying nests, roosts, and cracks. Instant Louse Killer also kills lice on farm stock, bugs on cucumber, squash and melon vines, cabbage worms, slugs on rose bushes, etc.



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That  
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**THOSE** neat sparkling roofs with their crushed mineral shining in the sun—you see them all over the country—they are Amatite roofs.

The fact that Amatite *needs no painting* means a great saving to those who use it.

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Creonoid sprayed on cows keeps away flies and prevents insect torment. Equally useful in the hen house to destroy lice and keep them at a distance. The cost is trifling.

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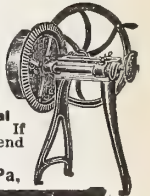


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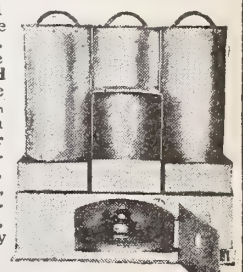
**We Guarantee to  
Make  
Hens  
Lay**



**NO EXPERIMENT  
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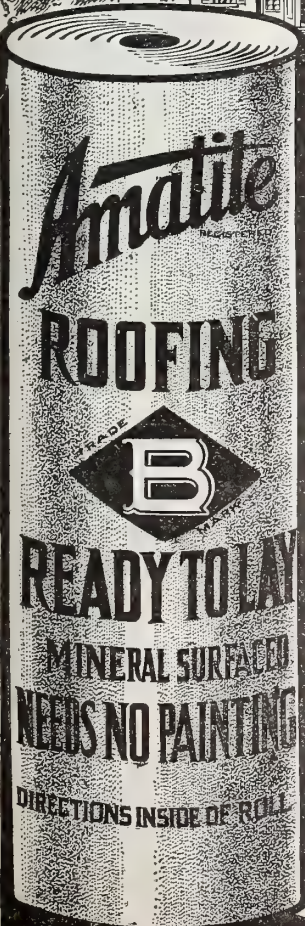
**THAT HENS** will do better and lay  $\frac{1}{3}$  more eggs if they have clean, fresh water in the summer and Warm water in winter. Our Fountains will not only meet these requirements but will help keep the hen house warm in the winter.

**Our Combination Fountain and Feeder** warms the water and keeps the Grain warm which will make your hens lay in freezing weather. Don't go through the winter the old fashion way. Get one and be convinced. Our fountains are **Safe, Sanitary and practical.** We have several styles ranging in price from \$1.25 to \$5.00. **Our Book is Free** describing Fountains, Feeders, Exercisers, Oat Sprouters, Incubators, Brooders, and all poultry house fixtures.



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Let me tell you how you can save money when purchasing an incubator and why the Reliable is such a safe buy and why it's the best machine. Get my free catalog. J. W. MYERS, Pres., Reliable Incubator & Brooder Co., Box A-1, Quincy, Ill.



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The Insecticide Law requires the plain printing, on each package, of the amount of inert material used, or the material which the Government considers of no value for insecticidal use. Every purchaser of an insecticide should consider this point and should see that the Insecticide guaranty is given by the manufacturer on every package.

**Lee's Lice Killer** contains only 3 per cent inert matter (water). Others contain from 10% to 80% inert matter. Used for poultry and hogs. **\$1.00 per gallon.**

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The Lee line of Foods, Insecticides and Remedies is sold by more than 10,000 dealers in the United States and in many foreign countries. If not at your town, send for latest poultry book and name of nearest agent.

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Six sizes

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Lancaster, Pa., Sept. 30 and Oct. 1, 2, 3, 1913

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A first class poultry show in the richest and best agricultural country in America with moderate entry fees and liberal cash and special prizes, where a fair show and good treatment is guaranteed to all exhibitors. For premium list address

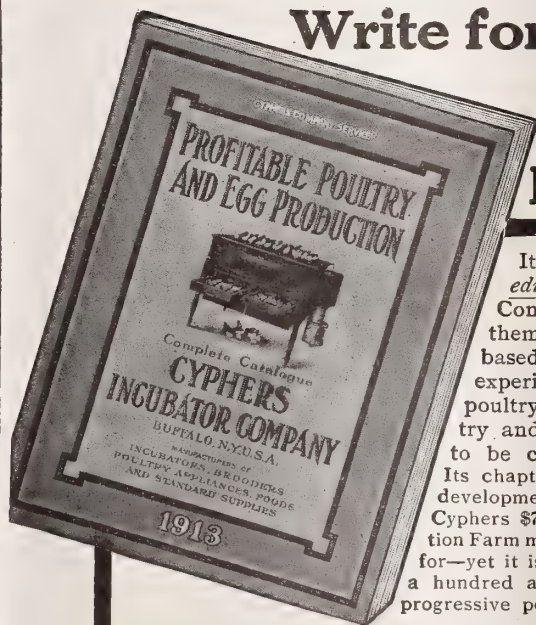
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### FOR OCTOBER DELIVERY

handsome early hatched pullets that will commence laying early in November. **Trios, Pens, larger Flocks. Sold on approval at moderate prices by a special plan.** Handsome catalogue and full information free. Mention A. P. J.

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Incubators	Fattening Mash	Anti-Fly Pest	Spray Pumps
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Caponizing Sets	Full-Nest Egg Food	Pigeon Supplies	Root Cutters
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1,000 growing. Eggs half price. Mention American Poultry Journal when writing.

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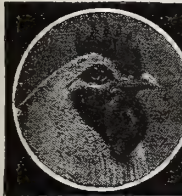
The World's Largest Minorca Farm. Eggs, \$3 and \$5 per setting. 50 cockerels for sale, \$5 each. We aim to please, and always do.

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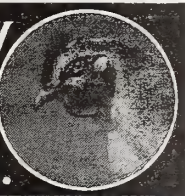
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**MY WHITE PLYMOUTH ROCKS**  
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## Royal Blue Orpingtons and Barred Rocks

For the winter shows we shall have some grand Barred Rock cocks that can win in any company, also cockerels of the same class. We have a few Blue Orpingtons for the early Fall Shows that we can let go. Don't delay getting into this variety. Last season at New York, Boston, Guelph, International Show, Canada, Detroit, Barred Rock males bred in my yards won 5 prizes, the rest of the breeders in the United States and Canada combined won 3 firsts amongst them.

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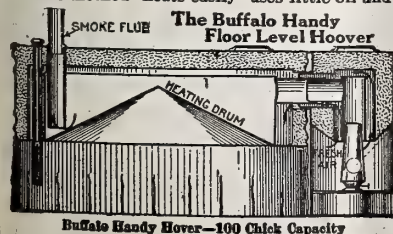
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Will enable you to caponize all your young cockerels and add greatly to your poultry profits. Sent prepaid, with "Easy-To-Use" directions, on receipt of \$2.50. Any one can do it. You can make money caponizing for others. Write to-day for our booklet on Caponizing. It's Free.

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Buffalo Handy Hoover \$8 Buffalo Home Hoover \$7

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WILL MAKE HENS LAY



WILL MAKE CHICKS GROW

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100 lbs. . . . \$2.25  
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The new way to make hens lay. "The Golden Egg" tells all, free. A Humphrey Bure Cutter on free trial. **HUMPHREY White St. Factory, Joliet, Ill.**

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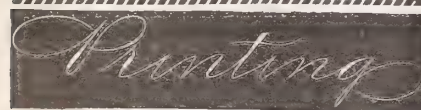
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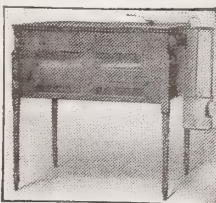
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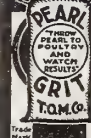
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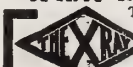
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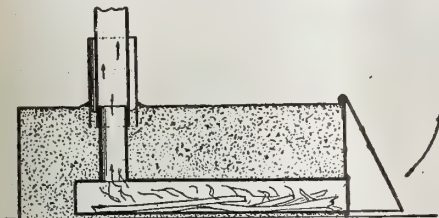
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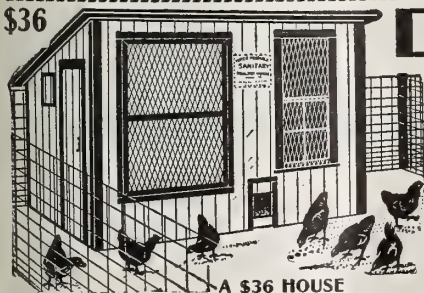


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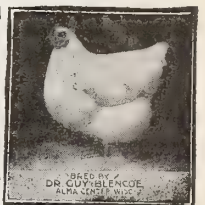
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To start the chicks that bring the high prices in December and January. They do well in September and October, and make a handsome profit. Our brooder hovers are second to none in simplicity, convenience and sanitary construction. They take care of the chicks and start them right with the least trouble and expense, and we are making

**A SPECIAL OFFER**

With every round brooder hover and every O. K. brooder heater ordered in September, we will send you free of charge a galvanized iron chick drinking fountain, and two feed troughs suitable for bran, dry mash, milk or any sort of chick feed. This makes a complete equipment, and our prices are the lowest. Send for our free catalog B-20 giving description and cuts of our brooder hovers and a complete line of poultry supplies.



Hovers complete with lamp, curtain and hover cloth, \$1.80 to \$8.00

THE OAKES MFG. CO. : Factory and Home Office : TIPTON, INDIANA

Eastern Branch—64 Cliff St., New York City; Canadian Branch—415 Symington Ave., Toronto

**ARCHWOOD YARDS**  
J. A. PARKER Original CLEVELAND, OHIO  
**SUSSEX STRAIN**  
S. C. White  
**ORPINGTONS**  
"Lay Like a Gattling Gun." "Grow Like a Weed."  
The Imperial Orpington Stud of the World  
Royally Supreme

**AFFIDAVIT**—To whom it may concern we desire to state that no bird offered for sale by us or sold by us, has ever been BLEACHED, FAKED or TAMPERED with, by any employee, by any outsider or myself, and that each and every bird sold or offered for sale has been in its natural condition in the most strict sense of the word. (Signed), Archwood Yards, J. A. Parker, Cleveland, O.

SEAL

Sworn to by the above J. A. Parker before me and signed by him in my presence this 6th day of August, 1913 at Cleveland, Ohio, Philip Voelke, Notary Public

GRAND WINNERS NOW READY FOR THE EARLY FALL AND WINTER SHOWS. COCKERELS AND PULLETS UP TO THE STANDARD WEIGHT AND OF GREAT BONE AND TYPE. WINNERS FOR ANY COMPETITION, IN PENS, TRIOS AND SINGLE BIRDS.

DO YOU BREED

**"Sunswick Strain"**

S. C. BUFF ORPINGTONS and  
BUFF ORPINGTON DUCKS

Or just Orpingtons?

The Great S. C. Buff Orpington Specialty Plant of America IS  
**SUNSWICK POULTRY FARM, South Plainfield, N. J.**

RUFUS DELAFIELD, Owner

Send for Catalogue

Inspection Invited



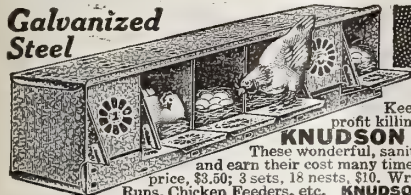
Its a great big free poultry book offer on back inside cover

## BUFF ORPINGTON SALE

Overstocked, will offer 200 GRAND breeders at less than half value—males \$2.50 and up, females \$1.50 and up, pens \$7 and up. Price list FREE. A guarantee to please.

Have near 1,000 youngsters bred from my FIRST, color and shape specials at Lebanon, Crawfordsville, Indianapolis, Springfield and Louisville, 1912 and 1913. J. S. Frazier, Box B, Advance, Indiana

Galvanized Steel



## Lice-Proof Nests

HAPPY HENS EARN BIG PROFITS

Keep your hens happy and laying by keeping them free from profit killing lice and mites. Equip your laying houses with

**KNUDSON Galvanized Steel LICE PROOF NESTS**

These wonderful, sanitary, patented nests can't get out of order, last a life time and earn their cost many times over. Regular price, \$3.50, set 6 nests—special introductory price, \$3.50; 3 sets, 18 nests, \$10. Write for our free catalog, Galvanized Steel Brood Coops with Runs, Chicken Feeders, etc. **KNUDSON MANUFACTURING CO., Box 470, ST. JOSEPH, MO.**

## S. C. W. ORPINGTONS

Of the Better Kind—Now ready for the early shows. Bred from our last season's winners.

400 Birds to Select from

and everyone a prospective prize winner. Write at once for prices and particulars. Also have some choice Partridge Plymouth Rocks. Mention A. P. J.

**PARK POULTRY YARDS**  
MRS. REGINALD STONESTREET GLENDALE, NASHVILLE, TENNESSEE



Best Hen in Whole Show, Columbus, Georgia, 1912.

## MOE'S SELF LOCKING LEG BAND

MOE'S SELF LOCKING BAND READY TO BE USED



Patented

You simply push it together to lock it and it can only be removed by destroying the band. The simplest and most durable metal leg band on the market. Manufactured of a new bright nickel colored metal that will not rust or corrode. Every band stamped with its own number. You can use these bands with the absolute assurance that you will find them on when required, be

EASILY ADJUSTED WITH THE FINGERS AND IT IS THEN ON TO STAY



it three months or three years. Manufactured in sizes for Mediterranean, American and Asiatic birds and also turkeys. Twelve bands, 15c, postage paid. Liberal reduction on larger quantities. If not at your dealers, sent direct. Write for complete catalogue. Please mention American Poultry Journal.

Otis & Moe, 1801 New Otis Bldg., Chicago, Illinois

"Premier"

## Partridge Wyandottes

Great Winter Layers—Beauty and Utility

If you want to win at the Fall and Winter Shows write to us at once. "Premier" Partridge Wyandottes win for us and they'll win for you. If you are a beginner we'll start you right. If you want to improve your flock we can help you. From August, 1911 to January, 1913, we won 112 First Prizes out of a possible 130, a record never equaled by any breeder.

Pairs from \$10 up. Trios \$20 to \$75. Pens \$35 to \$125. Mention American Poultry Journal.

**SHEFFIELD FARM, GLENDALE, OHIO**

H. B. Hark, Manager Poultry Department

## CLOSING OUT SALE

The "World's Best" S. C. Black Minorcas

We have disposed of our flock of R. C. Black Minorcas and have now decided to make a cleanout sale of our S. C. Black Minorcas. At the American Black Minorca Club Show, the greatest Minorca show on the Continent, we won the Directors \$50 Cup two years in succession for best collection. The dates are recent, 1910, 1911 and 1912. The Provincial Show at Guelph is Canada's Greatest Show. At the last Guelph Show, December, 1912, (we did not exhibit) in the large stand best class ever shown in Canada, our strain won (principally birds we sold and stock from our yards) in S. C. Black Minorcas, cock 1, 2, 3; hen 3, 4, 7; cockerel 1, 2, 3, 6, 7, 9, 10; pullet 1, 2, 4, 5, 144 S. C. Black Minorcas in this class. We have 12 grand cock birds, 60 hens and about 300 chicks and will cleanout at about half the regular price. Please send for sale list and testimonials. We please our customers.

T. A. FAULDS : : LONDON, ONT., CAN.

## Columbian Wyandottes Silver Campines

Eggs for hatching half price after June 1st. Special Columbian Wyandotte cuts for sale. Free circulars. C. L. PATTERSON -- BARBERTON, OHIO

## Simplex Brooder Stoves

save 90 per cent of your labor, 75 per cent of operating expenses, and bring to maturity from 20 to 30 per cent more and better chicks. Get our free cat. Simplex Brooder Stove Co., 137 4th St., Grand Rapids, Mich.



**56 BREEDS** Chickens, Ducks, Geese and Turkeys. Hardy, northern raised, pure bred, of finest plumage. Fowls eggs and incubators at lowest prices. America's greatest poultry farm. Send 4c for large, fine 19th Annual Catalog and Poultry Book. R. F. NEUBERT, BOX 844, MANKATO, MINN.

## S. C. Black Orpingtons

Eggs \$2.00 per 15. Stock at one half price. Foster & Johnston, R. F. D. 7, Ft. Wayne, Ind.

## WHITE ORPINGTONS

Eggs from 8 grand select pens. Illustrated mating list contains winnings and testimonials. F. S. Bullington, Box A. Richmond, Va. Secretary-Treasurer American White Orpington Club.

## Tolman's White Rocks

Baby Chicks. The Soft Roaster Strain. Joseph Tolman, Dept. H, Rockland, Mass.



## THE "SIGNET" LEG BAND

is in the lead, its the one you need. Price 12-15c; 25-20c; 50-35c; 100-60c. "Silver Tip" Pliers made for putting on bands, price 10c. 3c extra for postage. Mention A. P. J. W. J. BALL, SALEM, OHIO

GRAND CHAMPION

## Columbian Wyandottes

GEO. A. KERSTEN, Washburn Park, Minneapolis, Minn.

There's reason in all things except paying your good money for culls that's foolishness, when you can get

Skinner's Standard White Wyandottes for little money. F. E. Skinner, Sandwich, Ill.



**CRY-CO GRIT (PETRIFIED SHELL)**  
82% Pure Carbonate of Lime.  
More eggs, harder shells, healthier hens.  
cost 1c per pound. Ask your dealer, look for trademark, write for booklet. W. A. REUBEN & CO., ST. LOUIS, MO.

DON'T POUND YOUR FINGERS!



PATENTED

Use a Perfection Staple Driver. Price 25c. It will stretch the wire also. Postpaid 30c. For sale by all good hardware and poultry supply houses. Manufactured by

Perfection Manufacturing Co., 255 Bay Place, Oakland, Ca

## RILEY'S BARRED ROCKS

I have exhibition birds growing fit to win any show in the country. This year's breeders for sale at rock bottom prices. Write me your wants.

Henry D. Riley, Box B, Strafford, Chester Co., Pa.

## Don't Feed Green Food!

Do away with the bother by using **Succulenta Tablets**

They are better and cheaper and more relished by all fowl. Simply dissolve one tablet in one quart drinking water for fowl. Sample can (100 large tablets) by mail 50c. Can of 250 large tablets by mail \$1.00.

Drop postal for particulars to

The Succulenta Co., P. O. Box 405-1 Newark, N. J.



## DESTROY VERMIN

Drop us a post card for our FREE BOOK telling all about our most effective method of killing LICE, ROACHES, BED BUGS, etc. Our method is now in use by over 6,000 hotels and institutions. Write for FREE BOOK. The Insectolene Co., Dept. P, Box 113, Chicago, Ill.



U. R. FISHEL'S AD in this issue will interest you. Read it.

## R. C. RHODE ISLAND RED COCKEREL SALE

A breeder from \$2.00 up. A show bird from \$10.00 up. All rich in the Bill Taft blood. Kaufmann & Windheim's famous strain. See advertisement on page 1181.



## GRASP THIS

I have ready for immediate shipment early hatched White Leghorn pullets now commencing to lay. Also Partridge and Silver Penciled Rock pullets and cockerels. These birds are finished and will win at Fall shows. Write for price and particulars.

S. C. WHITE LEGHORNS—Utility birds unexcelled. : PARTRIDGE ROCKS—For which we are noted.  
SILVER PENCILED ROCKS—Finest flock in existence.

Barton T. Fell, Owner

Barton T. Fell : Parkway Farm : Route 10, Trenton, New Jersey



## FAIRVIEW WHITE ROCKS

Sweepstakes Champions at Chicago, Indianapolis, Louisville and Memphis and  
Winners in the Louisville Evening Post Egg Laying Contest.

If you wish to win at your show, I can supply you with birds of the highest quality, as I have over 1,000 young birds bred from the above winners that are now ready to win, besides a grand lot of yearlings that will surely be heard from in our leading shows the coming season. Write me your wants. Mention American Poultry Journal when writing.

GUY DAILY, BOX A, JEFFERSONVILLE, INDIANA



LESTER TOMPKINS'

## Rhode Island Reds

The originator of this famous strain that has made the Reds one of the most popular breeds of fowl on earth, always at the front both in the show room and laying contests.

### My Recent Winnings at Madison Square Garden and Boston

prove they are still in the lead, winning display special at both shows, 1st hen in both combs and all female shape specials at Garden, 1st cock and shape special in single comb. Also all display specials and state cups for both combs at recent Boston show against birds that had been considered unbeatable. My breeding pens this season are simply grand. Prices right. Some extra choice bargains in breeding stock. Both old and young stock of the highest quality ready for showing in the Fall and Winter shows.

LESTER TOMPKINS,

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CONCORD, MASS.



## Silver Campine Cockerels

## Silver Campine Cockerels

I have 50 cockerels for sale, grand birds, beautifully marked, and now between three and four months old. I guarantee each has been sired by

1912 — Silver King, First Chicago Cock — 1912

Among these are the winners at the 1913 fairs and poultry shows. If interested, write me today.

FRANK E. HERING, South Bend, Ind.

Reference: THE AMERICAN TRUST CO., South Bend, Ind.



# Associations and Shows

*Secretaries are Requested to Send in News Items of Interest About Their Shows for This Department*

## White Langshan Club Notice.

The World's National White Langshan Club, recently organized for the interest of White Langshan breeders everywhere, is progressing nicely, most all states now represented. The White Langshans are rapidly forging ahead and becoming one of our most popular breeds, and no breed has won her place with greater merit than the now well known White Langshan. "The Great Utility Breed." Fellow breeders, you owe it to yourself and to the breed to join this up-to-date club at once and help in the advancement of our rights. We need you in the club and you need the club. Why not get your name down on our lists today. The sooner you do it the better it will be for you, and the better it will be for the club. It is next to impossible for one breeder to get the right kind of a show in poultry matters, but by combining and uniting our efforts we can as a body get anything just and right that we may demand. We are organized for benefits and we mean to have them. We expect to have some say as to a standard for our birds and we mean to have a part of our just dues if there is a way to get them. Do you wish to share these benefits? If so, join us and all push together. Send in your dues at once to the secretary, A. D. Freese, Mohawk Village, Ohio, and be enrolled in this up-to-date club. One dollar entitles you to life membership and \$1 extra entitles you to all club benefits for the year, such as free and worthy mention as a reliable breeder. The club stands behind its members, guarantees the reliability of its members and solicits only such members as are reliable.

## Attention, Black Orpington Breeders.

The American Black Orpington Club will offer special premiums at 500 poultry shows and fairs this season. You should be able to compete for these specials. To do so you must be a member. The annual dues are \$1, which will pay you up until January 1, 1915. Poultry show secretaries who have not yet received our 1913-14 offer are urged to write the secretary at once. There are also a few Western State meetings to be had. We are preparing a great meeting to be held at the Madison Square Garden Show, which will be attended by all eastern Black Orpington breeders. The mid-west meeting will occur at Quincy, Ill. We are about to hold the annual election by mail, so you should not put off becoming a member any

longer, but sit down and enclose \$1 today, or write the secretary for particulars. Annual yearbook will be out January 1, 1914, and your name should be in it. Some advertising space yet for sale. Address American Black Orpington Club, Ora Overholser, secretary and treasurer, Eaton, Ohio.

## Notice to Show Secretaries.

The American Buckeye Club offers the following specials during the coming show season. Shows desiring these placed with them are requested to print the following notice in their premium list and send a copy to the club secretary, who will at once send them a full list of breeders.

The American Buckeye Club offers a handsome silver cup for best pen, providing there are two or more exhibitors in the class.

The club also offers four special ribbons, one each for best shape male, best shape female, best colored male, best colored female. Competition open to members of the club. Send one dollar to A. H. Weisberg, Nevada, Mo., secretary-treasurer, for a year's dues and become identified with the active breeders boosting Buckeyes. The new club catalogue will be sent to any address on receipt of four cents in stamps.

## Ancona Club of America News Notes.

The Ancona Club of America has closed with the Poultry Exhibition Co. of Pittsburgh, Pa., for their next annual meet, January 19 to 24, 1914.

The Exhibition Company made a very liberal offer for the meet of this club, giving three silver cups, placing ten ribbons for each five varieties, namely, cock, hen, cockerel, pullet and pen.

They also offer a cash bonus for 250 birds and all Ancona breeders should take advantage of this and be sure to exhibit at this big show.

Exposition Hall contains 40,000 square feet on ground floor, well lighted and ventilated, and they will also furnish a room in the building for club meetings and members during the week of the show.

The Ancona Club of America will offer their customary silver cups and handsome silver sets, and special club ribbons, and with such a large entry as is promised by the breeders of this popular variety there will be a large lot of specials offered by the business men of Pittsburgh, for they never do things by halves in this city, so brother breeders, get busy and exhibit your birds.

In order to compete for all of the specials, join the club by mailing \$1 to Geo. Johnston, secretary, Jerry City, Ohio.

## Buff Wyandotte Specials.

The American Buff Wyandotte Club offers to members four fine ribbons as follows: One for best shaped male, one for best colored male, one for best shaped female, one for best colored female.

Breeders who are not members should join so they can compete for the specials. Send a dollar to the secretary, J. E. Willmarth, Amityville, N. Y., and become a member. It will help you to breed better birds, and will help you to sell them. We elect our officers and decide other important questions by mail vote, so every member has an equal voice in club affairs. Join and help make the best breed the most popular breed. The handsomest specialty club catalogue ever issued is free to members. Others can get it by paying six cents postage.

## Ancona Club of America.

The next annual meeting of the Ancona Club of America will be held with the Poultry Exhibition of Pittsburgh, January 19 to 24, 1914, with A. H. Emch to judge the Anconas. This will make the third successive year for Judge Emch to pass on the Anconas, and this meeting of the club will prove the banner year, as the club has reserved space for 300 Anconas. For particulars, write to J. O. Somers, secretary, Bedford, Ohio.

## Show Secretaries—Attention.

You are authorized to offer our club ribbons at your show, if you will send a marked copy of premium list containing the following offer, to J. E. Willmarth, secretary, American Buff Wyandotte Club, Amityville, N. Y.

## National S. C. Black Orpington Club Notice.

Seventh annual catalog will soon go to press and all breeders of Blacks are urged to join in time to have names inserted. This club should not be confused with any other club devoted to the breed. This club has more than ten times the number of members of any other such club, awards a gold plated medal to every member win-

## CHAMPION BUFF WYANDOTTES

"America's Great General Purpose Fowl"

Again prove their superiority over all others. At the Greater New York Fair and Exposition, August 4-10, 1913, in competition with the Garden and big Eastern winners, won more than twice as many prizes than all competitors combined.

Four Firsts, Five Seconds, Three Thirds, Two Fourths,  
Two Fifths, Silver Cup Best Display and Gold  
Special Best Display Wyandottes, All  
Varieties Competing

We have 2,500 youngsters. Choice breeding trios, \$10.00; pens, \$15.00.  
Guaranteed winners furnished for any show on earth.

## PURITAN PARTRIDGE ROCKS

Conclusively Prove That They Are

"THE QUALITY FLOCK OF AMERICA"

At the Greater New York Fair and Exposition, August 4-10, 1913, won more prizes than all competitors combined.

Three Firsts, Four Seconds, Four Thirds, Three  
Fourth and Silver Cup Best Display

Besuden Bros., R. W. Sturtevant, Manager, Box 359-B, Cincinnati, Ohio



ning a first in any American or Canadian show in competition with at least one other member and if ten members compete a silver cup. If member winning first has no competition from club members a silk ribbon will be given. Dues to October 1, 1914, are \$1, but do not send any money till you have seen the club catalog, which is free to those interested by addressing Milton W. Brown, Station L, Cincinnati, Ohio.

### Notice to Show Secretaries.

The National Single Comb Buff Orpington Club, with over 2,000 members, will offer at every show in the world beautiful silk badges, one each for best cock, cockerel, hen, pullet and pen. Will also give elegant silver cups in states having ten members of



### COLORED LEG BANDS

Big Black Figures on White Background. All colors, all sizes, for all fowls, and pigeons. Birds identified without handling. Saves time and labor. Baby chick bands 18 colors, not numbered. The best band in the world to-day. Samples and catalog 2c stamp. Mention A. P. J. A. P. Spiller : Dept. A : Beverly, Mass.

## Closing Out Sale

Am sacrificing all my White Rocks and White Wyandottes, as I will discontinue these breeds. All stock is from "best strains" and contains many prize winners. Will sacrifice for one-third their values. Also some special bargains in Buff, Black and White Orpingtons from this years pens. Write quick and get first choice. Mention A. P. J.

**F. B. CRAWFORD**  
Box 115 A Rahway, N. J.



### RANGE-RAISED LAYING-LEGHORNS.

S. C. WHITE LEGHORNS, Yesterlaid Strain—Superior as layers and exhibition fowls. Acknowledged the best by 17 State Experiment Stations that have bought Yesterlaid stock or eggs. New customer offer includes Poultryology (most complete poultry book ever written) free

Yesterlaid Egg Farms Co., Dept. 5, Pacific, Missouri

## Get Acquainted



Modern advertisers rightfully expect the publications in which they buy space to guarantee and prove the circulation of each and every issue. Certain such papers are known as the **Progressive Poultry Papers**.

Each publisher of such paper is progressively striving to furnish their readers with live, scientific, up-to-date reading matter and agrees to prove his circulation, promote and protect the advertisers interests by refusing objectionable advertising. It will pay advertisers to get acquainted with these papers. For list of papers, rates and circulation information address

**E. J. W. DIETZ**

Publishers Special Representative  
919 Advertising Bldg., Chicago

the club in good standing. Write for printed notice for your premium list to M. S. Brady, secretary, Richards, Mo.

### Poultry Show at the Illinois State Fair.

The premium lists of the great Illinois State Fair, to be held in Springfield, Ill., October 3 to 11, inclusive, are now ready for distribution, and we want every poultry fancier to have one. Premiums amounting to over \$100,000 are being offered, and in addition to the poultry attractions the Illinois State Fair, with its immense buildings and beautiful grounds and splendid exhibitions, makes the date one of universal interest.

The poultry building is one of the finest in the country and the 1912 poultry exhibit was considered by fanciers and poultry judges to be one of the greatest shows ever held in the United States. This year every effort is being put forth, by the increase in premiums and additional new attractions, to make the coming show still larger and better.

Adjoining the poultry building a large tent will be erected, which will be headquarters for the Illinois branch of the American Poultry Association, the Illinois State Poultry Association and the meeting place of all specialty clubs. All poultry associations and special clubs and those interested in the advancement of poultry culture are cordially invited to make this their headquarters.

For information regarding the poultry department, Illinois State Fair, address O. L. McCord, Danville, Ill.

### Coliseum Poultry Show, St. Louis.

The Mississippi Valley Poultry Association of St. Louis has been organized with a capital stock of \$5,000. The officers are E. W. Groves, Jr., president; W. W. Henderson, vice president; Henry Steinmesch, secretary and treasurer.

It is aimed to work in harmony with the Chicago show and to make the St. Louis and Chicago shows to the West what the New York and Boston shows are to the East.

Our judges, so far selected, are Theo. Hewes, of Indianapolis; A. C. Smith, of the Minnesota Agricultural College of St. Paul; C. S. Byers, Hazelrigg, Ind.; the Orpington specialist, Fred Harrison, of Menominee, Mich.; E. C. Branch, of the Revision Committee of the American Poultry Association, Lee's Summit; Edw. Joynson, late of Lancashire, England, who has judged at the Crystal Palace; Tom Woods, V. O. Hobbs and others yet to be selected.

Our dates are November 25th to December 1st, and the big St. Louis Coliseum will be the place.

Premium list ready October 1st. For copy of same and other information, write Henry Steinmesch, secretary, 220 Market street, St. Louis, Mo.

### The National Poultry Show.

It is with particular pleasure that we give to our readers information of the coming great National Show at Washington, D. C., December 23 to 27, 1913.

The Greater Washington Poultry and Pigeon Club was formed February 14th last with 10 members, and at this time numbers nearly a hundred live ones that are bound to succeed, and to do things according to the start they have already made. There is no reason why this should not be one of our best and leading shows, and as it now is in the hands of wide-awake breeders, we predict and hope for its future.

The national capital has its features to draw and in the past many of our largest and best breeders have exhibited there. With the association on a sound basis, as it now is, it is sure to draw better than ever, assuring the best of competition and placing a high value on its every award.

Besides holding its annual exhibits, this association promises to do much good work for the general poultry interests, as they now have a bill in the United States Senate asking for a "national charter," which we hope will be granted them. They have also started things for the extension of the parcels post laws to cover the carrying of exhibition poultry and pigeons and an extension of the weight limit to 50 or 100 pounds. These are matters of importance and it is evident that a strong and well supported organization at the capital will be of rare value to the breeders at large.

The A. P. A. should well consider Washington for its 1914 meeting place and give its hearty aid to this association to secure its charter and thereby give it proper weight and standing.

The judges for the next show are George O. Brown, C. T. Cornman and H. P. Schwab.

The secretary is P. Francis Sutor, 715 Twenty-first street, N. W., Washington, D. C. Write Mr. Sutor for full information and premium list and let us all help to make this a national show in fact.

H. P. Schwab.

### Illinois State Poultry Show.

The Illinois State Poultry Association will hold its twentieth annual show in the State Arsenal Building, Springfield, Ill., January 5-11, 1914.

The Illinois State Show has held nineteen successful shows. The exhibitor takes no risk in exhibiting at this show and every claim is sure to be paid. The Illinois State Show has never failed to make good and every exhibition has been just a little bit better than the other.

The catalog, which will be issued about November 15th, will disclose the fact that this show offers more for its entry fee than any other show in the country.

If you are interested in showing, send in your name and address on a postal card to Theo. S. McCoy, secretary, Golconda, Ill., to insure you a copy.

O. L. McCord, D. E. Hale, J. C. Johnston, George A. Heyl and J. H. Minshall, of

## WARREN HATCHERY CO.

A few yearling hens for sale.

Joseph L. Heston, Manager :: Springboro, Ohio

## CAMPINES AND S. C. W. LEGHORNS

Stock for sale in layers and show birds. Satisfaction guaranteed.

S. D. Hall, Box 78, Seville, Ohio

## Tabasco Reds

Are champion S. C. R. I. Reds. Winners supplied for all shows. Write for prices.

## Old Acres, Foxboro, Mass.

### BROWN LEGHORNS

Three first cockerels and two first cocks, Chicago, 1909-10-11.

**June Bargains in Best Brown Leghorns—\$10.00 eggs now \$5 per 15, \$5.00 now \$2.50. Not too late to hatch winners for Winter shows**

Free circular. Address W. H. Wiebke, Box P-348, Fort Wayne, Indiana.



## R.C. MINORCAS

First prize winners New York, Chicago, St. Louis and elsewhere. Trap-nest bred for egg production. Stock and eggs for hatching, at all times. Catalogue free

G. A. Clark : Seymour, Ind.



Brantford, Canada, will judge the exhibit. The secretary has an attractive offer to present to any specialty club desiring to hold its annual national, state or district meeting at this show.

### Don't Forget.

The great Coliseum Poultry Show has selected ideal dates for their fifth annual exhibition, December 12 to 17, 1913. Ample time to get in and get out of the hall, with no great rush. A big added expense to us in hall rent, but more convenient to the exhibitors. The hall will be ready the evening of the 11th and judging will be done on Friday the 12th. Show will be open on Sunday the 14th. Remember the dates and be sure to send your name in for list. Premium list November 1st, rain or shine. If it fails to reach you by the 5th, write for duplicate. Entries close November 25 and not one day later. Free Empire coops in all departments.

Theo Hewes, Secretary,  
Indianapolis, Ind.

### The Great Williamsport Show.

True to its name as an association that does things, the Williamsport Poultry Association has employed Mr. E. G. Johnson, the manager of the Family Theatre, who so successfully pulled off the Pure Food Show and who has charge of the Old Home Week

## Warm Water--Get Eggs!

A little PUTNAM stove, nine inches diameter, four inches high, fireproof, keeps water from freezing in coldest weather. Holds three and one-half pints oil, burns one month without refilling or trimming. Prevents frosted combs. Extra eggs pay for stove every week. \$1 each, \$5 for six. Satisfaction or money back.

I. PUTNAM, 908 West Water Street, ELMIRA, NEW YORK

## COCKS, COCKERELS HENS

### THE QUALITY KIND

SUNNYSIDE WHITE LEGHORN FARM  
Robert T. Brown R. R. 4 Springfield, Ill.

## MOUNT PLEASANT FARM S. C. W. LEGHORNS

### BRED-TO-LAY

1,000 breeders, \$1 each; pullets, ten weeks old, \$1 each; cockerels, ten weeks old, \$1 each. Safe delivery and satisfaction guaranteed. Send for our free booklet, "Modern Successful Poultry Farming."

Mount Pleasant Farm : Mount Pocono, Pa.

## Cochin Bantams

### Black-Buff-Partridge-White



We wish to state that we have scientifically bred the 4 Varieties of Cochin Bantams exclusively for many years and our strain has proven its exhibition quality throughout U. S. Not only when exhibited by us, but many of our customers have reported marvelous victories, (at such shows as Rochester, Pittsburgh, Pasadena and many other renowned shows), which were accomplished with specimens of our strain. Therefore

**The Real Cochin Bantams**  
**America's Best Cochin Bantams**  
are bred in Ohio at the Wahebe Bantam Yards and such quality cannot be found anywhere else on this great continent. If it is your intention to win this season and to breed winners write the Home of America's Best Cochin Bantams, or you will be disappointed in your undertakings.

### Wahebe Bantam Yards

Box 13B, Evanston Station Cincinnati, Ohio

festivities, to manage the attraction end of the Williamsport Poultry Show.

Mr. Johnson has advised us that we can announce to the poultry world that in addition to the best poultry, show Williamsport has ever held that there will be an added attraction which will be the best that has ever been held in conjunction with a poultry show.

The poultry show itself will far surpass any previous efforts. More money will be offered than heretofore and an extra judge has been employed to look after the increasing Campine exhibitors.

One thing which is extremely encouraging to the management is the fact that the breeders are looking after specials for their individual breeds, thus assuring our friends of more specials than ever before, for instance, the Barred Rock class alone will have over fifty dollars in cash offered, and this money should bring out a great line of the favorite American variety.

All roads point to Williamsport Thanksgiving week, November 25th to 28th.

Write McCormick Dawson, Williamsport, Pa., for a premium list.

### Merger of Three Shows.

"Harmony in a Big Show" is the slogan of the first show to be staged by the Mississippi Valley Fanciers' Association of Davenport, Iowa, Moline and Rock Island, Ill. It will be held in Rock Island, November 24th to 29th, inclusive.

The Mississippi Valley Fanciers' Association was organized during the past year, being a merger of the Mississippi Valley Poultry and Corn Association of Moline, Island City Fanciers' Association of Rock Island and the Davenport Poultry Club of Davenport. Separate shows have been held each year, but with a view to combining the forces of the poultrymen of the three cities and putting on a show that would rival the best to be found in the country, the merger was effected. Officers of the association include Dr. O. M. Myers, of Rock Island, president; L. C. Schmidt, of Davenport, vice-president; O. F. Freeman, of Moline, secretary, and T. C. Carey, of Davenport, treasurer.

O. L. McCord and Thomas B. Faulkner have been secured as judges. Entry fees have been fixed at \$1 for each bird and \$3 for pen.

Write to O. F. Freeman, secretary, Moline, Ill., for premium list.

### Greater Pittsburgh Show.

The Greater Pittsburgh Poultry Show Association will hold its second annual show November 24 to 30, 1913, at the South Side Market Hall, Pittsburgh, Pa. The hall is well adapted for the purpose—light, heat, good ventilation and shipping facilities. The officers and members of the association are not leaving anything undone to make this a bigger and better show than last year. The premium list of merchandise will also be larger and cups galore will be given.

The association was highly complimented by the breeders for honesty of judging, cooping of the show and the prompt payment of money and merchandise premiums. The same standard will be again put in force this year. Wm. F. Auerswald and Chas. H. Moore, former judges, have again been employed to place the ribbons.

For premium list drop the secretary a postal, and when ready, same will be mailed you. A. J. Henning, secretary, 1812 Carson street, Pittsburgh, Pa.

### Goshen Poultry Show.

The Goshen Poultry Association recently organized and elected the following officers: President, Geo. F. Neiderauer; vice-president, Ralph Watkins; secretary, Dart Emerick; treasurer, Irvin Wilfore; superintendent, H. N. Knight.

H. A. Pickett has been selected as judge and the premium list will be ready for mailing about October 1. Don't forget the December 8 to 13, 1913. D. E. Emerick, secretary, Goshen, Ind.

### St. Louis Poultry, Pigeon and Pet Stock Association.

The officers of the St. Louis Poultry, Pigeon and Pet Stock Association, which consists of Dr. Jules Baron, president; Julius Garrell, vice-president; J. H. Sentenne, treasurer; James J. Long, secretary; W. A. Kappey, superintendent, and George Hartley of Trenton, Ill., assistant superintendent, have selected the following judges for their annual show to be held in St. Louis Thanksgiving week, November 24th to 29th, inclusive.

Judges—C. S. Byers, Hazelrigg, Ind.; C. A. Emery, Cartage, Mo.; Frank Heck, Chi-

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## PATENTS

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### GOLDEN

## WYANDOTTES

Mine are annual winners at Boston, winning four Firsts last Jan. Good birds for sale, reasonable. Mention Am. Poultry Journal.

LOREN H. BROWN

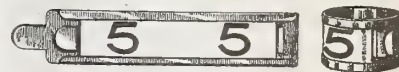
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## Bourne "Bigum" Poultry Band



Patent applied for.

Send two 1 cent parcel post stamps for samples and trial offer. Large numbers showing ten feet away. First to use numbers you can see. Best band out. Sizes for Bantams, Leghorns, Rocks and Reds. Black numbers from 1 to 100 on white, light blue, pink, green, yellow, cherry, and red celluloid. Withstands weather and water. State size, color and numbers wanted. Send cash with order. Price 3 cents each, \$2.50 a 100.

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## The New Parcel Post Rate of 5 Cents and 1 Cent for 20 Pounds Within 150 Miles, Calls for a New 10-Dozen Box for Shipping Eggs



The APPCO SHIPSAFE is that box exactly. Under the new ruling, the rate on 10 dozen eggs within 150 miles will run about 24 cents. Our new box will enable you to deliver eggs at a cost of 4 cents per dozen or less. This really opens up the city market to you.

Write for particulars of the new 10-dozen APPCO SHIPSAFE. Mention A. P. J.

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All steel, nickel plated, punches clean. Hole is right size; will not bruise the foot. Price 25c by mail, or at your dealer. J. O. Petter, State St., Belvidere, Ill.



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(AJ-5) : MUSKOGON, MICHIGAN

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Turn your old bags into money. We buy them in any quantity, sound or torn, at a liberal price and pay the freight. Write for particulars and state number you have. Reference: Citizen's Bank. **Iroquois Bag Co.**, 438 Howard St., Buffalo, N. Y.

You can always find the egg after the hen cackles. Listen to this and then send your birds to the

## LOUISIANA STATE FAIR

Shreveport, La., Nov. 5th, Incl. 12th, 1914

\$1,000.00 in cash premiums for poultry. We use Em pire coops. Size of poultry building 80 by 160 feet

**O. L. McCord, Judge** **S. M. Watson, Supt.**

Send for FREE catalogue and premium list.

**P. O. Box 1100** **Louis N. Brueggerhoff, Sec'y**

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Also Truck Farming. Vegetable Gardening. Fruit Growing. Flowers. Greenhouse. General Farming. Small farm Course. Dairying. Soils and Fertilizers. Crops. Stock. Farm Management. Farm Bookkeeping. Dry Farming. Course for Teachers of Agr., Farm Veterinary. Writing for Farm Papers. Mushrooms. Ginseng, etc. WHICH COURSE INTERESTS YOU?

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"How to Make the Farm Pay More"

Courses for actual and prospective farmers, in country, village or city, whether you own a farm, garden, city or suburban lot, or expect to. A safe way out for the city man longing to get back to the farm. More profits for the farmer. Faculty 27 leading experts. Students in every state. Just the opportunity you have been wanting—TO LEARN SCIENTIFIC FARMING AT HOME. FREE sample lesson on request. (No Agents). Send today for temporary low rate.

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Will feed any kind of poultry feed. Adjustable to feed any amount desired. Will pay for itself in six months. Increase your egg yield 25 to 40 per cent.

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Rain, sparrow and rat-proof. Feeders with legs, 50c extra. Our 15-quart dry mash feeder, \$1.25. Fowls can't waste the feed. Can be hung up same as the others.

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cago, Ill.; Chas. H. Rhodes, Topeka, Kans.; T. J. Rountree, Nora, Ill.; J. S. Mertins, St. Louis, Mo.

Address all communications in reference to poultry to James J. Long, secretary, 4115 Louisiana avenue, and pertaining to pigeons to James Schroer, secretary of the Pigeon Club, 1307 Benton street.

### Licene Kills Lice and "Nits."

When other lice killers fail, try Licene. It does the work every time. Send to the Licene Co., 1500 Pontiac Building, Chicago, Ill., for a tube of Licene, price 50 cents, and they will send you enough Licene for 200 birds. This firm will refund your money if you are not satisfied. Mr. E. B. Thompson, president of the American Poultry Association, says:

I have tried Licene with the best of results; it is a most excellent preventative of lice and a quick and rapid exterminator. Licene should have a great sale to poultrymen, who must appreciate its value after being tried.—E. B. Thompson.

### The International Show of Buffalo.

The old reliable International Show of Buffalo, N. Y., will hold its annual poultry, pigeon and pet stock show January 12 to 17, 1914, in one of the largest and newest exhibition halls in America. For premium list send to Stanley A. Merkle, secretary, 35 Coal and Iron Exchange, Buffalo, N. Y.

The Little Rock Poultry Association, of Little Rock, Ark., will hold its annual exhibition of poultry, pigeon and pet stock on October 13 to 18, 1913, with C. A. Emery as judge by comparison. J. V. Johnson is the efficient secretary, which insures a well managed show, and all interested should write him immediately for particulars regarding this show. Address J. V. Johnson, secretary, 820 State Bank Building, Little Rock, Ark.

The tenth annual poultry show of the Tri-City Fanciers' Association will be held in Armory Hall, Davenport, Iowa, Thanksgiving week. The fanciers of the three cities of Rock Island, Moline and Davenport expect to pull off a larger and better show than they ever attempted before. Larger premiums, more specials and silver cups. Uniform cooping and a comparison show with Russell and Cram as judges. Harry W. Atkins, secretary, Davenport, Iowa.

The annual show of the Fox River Fanciers' Association will be held at Aurora, Ill., December 30 and 31, 1913 and January 1 to 3, 1914. The Hale explanatory score card will be used again this year. Judges are W. C. Pierce and W. S. Russell. Uniform cooping. For premium list write C. L. Valentine, secretary, 77 Fox street, Aurora, Ill.

The fifth annual exhibition of the Southern Kansas Poultry Association will be held at Coffeyville, Kan., on December 8 to 13, 1913, with Henry C. Dipple as judge. For premium list send to Chas. Radloff, secretary, Coffeyville, Kan.

The Stevensville Poultry Association will hold its second annual show December 9, 10, 11, 12 and 13, 1913, at Stevensville, Mont. Judge Greenfield, of Butte, Mont., will place the awards. For further particulars write D. W. Harburts, secretary and treasurer.

The second annual exhibition of the great Armory Poultry Show will be held at Louisville, Ky. Will be held December 1-6, 1913. It will be made the greatest poultry event ever held in the central states. John A. Murkin, secretary-treasurer, Nashville, Tenn.

The eighth annual exhibition of the Tennessee State Fair Poultry Show will be held at Nashville, Tenn., September 29 to October 4, 1913. This is the South's greatest poultry show. John A. Murkin, secretary, Nashville, Tenn.

The Greer County (Okla.) Fair Association will hold a poultry and pet stock show in connection with its annual fair, September 10 to 13, 1913. Write to Travis E. Gooding, superintendent of poultry, for particulars.

The Akron Poultry Breeders' Club of Akron, Ohio, will hold a poultry show November 25 to 29, 1913, with Chas. McClave as judge. Write for premium list to C. M. Woodring, secretary, 176 Hillier avenue, Akron, Ohio.

The Terrebonne Agricultural and Live Stock Fair of Houma, La., will hold a poultry and pet stock show in connection with its annual fair, October 2 to 5, 1913.

## Did you read back inside cover?

—SEE THIS NEW—

## Poultry Band



### THE KIND THAT'S DIFFERENT

Write for free sample of Stevens colored and numbered band for poultry (state your breed of fowls so we can send the correct size). This band is revolutionizing marking. Made of aluminum and celluloid. Made for baby chicks and pigeons. Free catalogue giving full particulars and prices.

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A 64-page book that is a spellbinder for you. The new and easy way to raise poultry. Nothing like it elsewhere. This book is free with a years subscription to the Inland Poultry Journal, which is only fifty cents. Send today.

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Read what Our Poultry Fanciers say  
Curtis Lyman, St. Charles, Ill.—More than pleased with the (3) hovers. A. N. Curtis, Elgin, Ill.—Two (2) hovers work fine. Robt. Newcomb, Williams Bay, Wis.—Using three (3); can't be beat.

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Healthy, vigorous, from heavy laying stock. Guaranteed satisfactory. Place orders NOW.

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S. C. W. Leghorns. White and Barred Rocks. All eggs and stock GUARANTEED. Write for big new catalog: "Tywacana Quality." It gives much information of value to poultrymen. It's FREE.

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## JOE-PYE Orpingtons

**THE** fact that we won Display Special or greatest number of points this year at the three largest American shows—Madison Square Garden, Boston, Grand Central Palace, N. Y. proves conclusively that we can breed quality. Our free illustrated mating list gives information about our farm and breeding pens.

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**H**AVING many hundred Mar., 1913, Campine cks. and pullets, which will be in full lay of the largest white eggs in October, I can deliver pens (male and four females), freight paid to New York dock for \$27.00 at once on receipt of order. If you want a pen of Blue (the best all round of all the Orpingtons), and the greatest money-makers, I can ship you at once a pen of rare shaped birds for \$35.00, freight paid to New York. I guarantee live delivery at port of landing. If you want to win in keenest of competition, I can supply the best, like I exhibited and won with at Madison Square Garden Show in 1911 and 1912. Catalogues free, send for one. Mention American Poultry Journal.

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Originator of the Celebrated Strain of Blue Orpingtons, the Only Englishman Ever Sent for to Judge at Madison Square Garden Show.  
Member Advisory Committee Live Stock Department, Panama-Pacific Exposition, 1915

# Barred Plymouth Rocks

Winners at Chicago—Indianapolis—Memphis—Louisville—Shelbyville

Indiana State Fair, Indianapolis, Ind., September, 1912, 1st Pullet, 1st Pen, 2nd Cock, 3rd Cockerel, 3rd Cock, 3rd Pullet. Tri-State Fair, Memphis, Tenn., September, 1912, 1st Cockerel, 3rd Pullet, 5th Cockerel, 5th Pen. Louisville Poultry Show, Louisville, Ky., December, 1912, 3 Firsts, 2 Seconds, 4 Thirds, 1 Fourth, 2 Fifths. Special for the Best Shaped Female. Two Silver Cups for Best Barred Plymouth Rocks. Shelbyville Fair, Shelbyville, Ky., September, 1912, 1st Cockerel, 1st Pen, 2nd Pullet, 2nd Cock. Chicago Poultry Show, Chicago, Ill., December, 1912, 4th Pullet Bred Cockerel.

Get our wonderful list of winnings, proving the superiority of our Rocks.

**COCKERELS—\$3.50, \$5.00, \$7.50; PULLETS—\$2.50, \$3.00, \$3.50**

**EXHIBITION BIRDS—\$15.00, \$20.00, \$25.00**

**INCUBATOR EGGS—\$1.50 per 15; \$7.50 per 100**

We have on hand over 1900 early hatched stock, all raised

## Direct from Our Premium and Pedigree Pens

bred to perfection in color and barring—and we can furnish you birds that you cannot get elsewhere at three or four times the price we ask.

We furnish, perhaps, *more winning exhibition birds to our customers* than any breeders in America. Our moderate, honest prices secure us all the business we can take care of, and our fine, large, magnificently barred birds, absolutely guaranteed, *carry off the blue for those who buy them.*

Send us your order for any exhibition or breeding birds you may need. We are old reliable breeders, *are Specialists in Barred Rocks*, have bred them successfully for 22 long years, and with our unequalled facilities for hatching and raising our birds **WE ARE ENABLED TO GIVE YOU SELECTION NO SMALL BREEDER CAN POSSIBLY GIVE.** You will make a great mistake if you place order before getting our prices and literature. Send for catalogue No. 3.

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**Louisville, Kentucky**



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Chicago  
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# "Pittsburgh Perfect" Chicken & Rabbit Fence

**T**HIS style of "Pittsburgh Perfect" is the most unique chicken fence made. Not alone is it fine meshed—17 of the lower horizontal wires being only 1 inch apart—but it stands erect, even and firm throughout years of service, without buckling or sagging.

The upright wires are spaced 6 or 4 inches apart, as desired, and the whole fabric is

## Welded by Electricity

at every point where one wire touches another, producing a *one-piece fence*, the easiest of any to erect, adjusting itself over rough or hilly ground as easily as on level land.

The same high quality of special Open Hearth wire, heavily galvanized with pure zinc, is used in all "Pittsburgh Perfect" Fences. Write for new catalogue telling how to test wire, and showing the many different styles and sizes made for Field, Farm, Ranch, Lawn, Chicken, Poultry and Rabbit Yard and Garden purposes.

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## THAT LAY, WEIGH AND WIN



There is more real proof in a teaspoonful of experience than in a demijohn of talk.

If you have ever bred the GROVE strain of SINGLE COMB WHITE LEGHORNS, you know from experience that they represent just what we claim for them.

Upon receipt of 50 cents in stamps or coin, we will send you postpaid our new sixty-four page book on poultry, which explains in detail the method of raising, feeding and conditioning line bred poultry for successful results.

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# Greater New York

First cock and first pen with only OLD birds entered. We never fail to win more firsts at such shows as Greater New York, Chicago, Indianapolis, Louisville, Nashville, Memphis, etc., than any other competitor against us. 3,000 YOUNG AND 500 OLD BIRDS FOR SALE—Write your needs in cocks, hens, chicks, or pullets, the show where you mean to exhibit and we will quote prices on any quality you care to own. We can furnish birds for any show, put them in prime condition to win at no additional cost. Send for the Orpington Fashion Plate Book and make reservation for 1914 issue—free. Mention American Poultry Journal when writing.

**A. E. Martz, Buff Orpington Specialist**

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**ARE BRED RIGHT**—We have several hundred of the best young birds that we have ever raised. We can furnish you just what you want at reasonable prices, and guarantee satisfaction. Catalogue for the asking.

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The strain that cleaned up the best that could be gotten together at the big club meet, Albany, New York, over 300 birds in competition. Get in touch with the original man, the specialist, one who has produced the cream for over twenty years the grandest lot of birds I ever raised, guaranteed winners and breeders are at your service. State what you need. Literature and best prices by return mail. Mention American Poultry Journal.

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"The Grandest Fowl on Earth"—Will win for you in the show room and make your "chicken business" profitable if you give them the opportunity. I have sold \$2,383.85 worth of Buff Orpington stock, eggs and chicks January 1st to August 15th, 1913. Have hundreds of the finest chicks I ever bred finishing rapidly and can supply winners for any show from October 1st on. A small deposit now will reserve your birds to be shipped just before your show in the pink of condition later on. Don't buy a Buff Orpington until you get my latest 1913 fully illustrated 36-page catalog. It is the finest published in Buff Orpingtons and is called the "Buff Orpington Guide Book," because it guides the way to satisfaction. Six solid pages devoted to original letters received the past year printed with names and dates in full. You should have it. Send for it now. Mention American Poultry Journal when writing. Address

**F. A. KAUP**

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**BUFF ORPINGTON SPECIALIST**

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**Everything Must be Sold by September 15th**

**BIG BARGAIN SALE**—Three hundred fine young cks. and pullets, Febr. and March hatched, for sale very cheap. Also some fine cock birds, including the first cockerel at Baltimore last Winter. Am leaving town and positively everything must be sold by September 15th. Satisfaction guaranteed. Write for prices and full particulars at once.

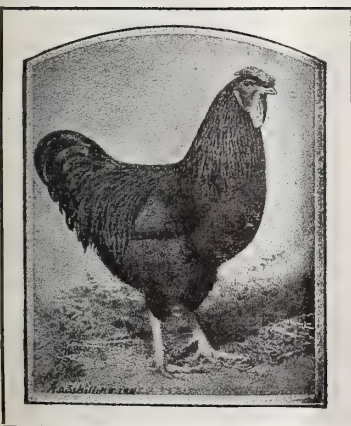
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Winners of more firsts at the great shows of the country than any other breeder. Our records at Madison Square Garden, New York, stand without a parallel in the history of the breed. They remain alone, unshattered. Close to two thousand head of the finest we ever owned for sale. Every bird born, bred and reared on our great farm, under our personal supervision.

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Write Today for Handsome Free Catalogue

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# ALDRICH

## WHITE ORPINGTONS

### The Strain of Quality



If you are counting on winning at your show, we can supply you with the **prize winning quality**, for we have this year the best birds that have ever been bred in America or England. We now have over 1,000 young birds of **supreme quality**, all hen hatched and raised—a marvelous perfection; nearly every bird has rich red eyes, a five-point comb, short shanks, wonderfully heavy bone, full round breast, broad back, with width carried well back, the **true Orpington type**, every bird being absolutely snow-white.

These birds were all bred from our finest males and females that have won prizes at all America's greatest shows: Chicago, Cleveland, Baltimore, **Madison Square Garden**, Allentown, St. Louis, Atlanta and Augusta, where, during

the past two seasons that we have exhibited, we have won a total of **110 out of the 300 prizes** offered, competing with over 2,000 of the best birds shown by exhibitors from thirty-six states, as well as from Canada and England.

Our win at the great Chicago show last December has **never been equalled**; we won the **display** with sixty-eight points against sixty-six to all the other competitors combined, also the **gold special for champion male**, and the **president's \$100 cup** and over nineteen other special prizes. Following this unrivalled triumph we carried off **five firsts** and ten other prizes at **New York and Baltimore** during the same week thus firmly establishing our claim to having the **Quality White Orpingtons of America**.

During the past season **our customers have won** at shows in all parts of America. At Boston, Atlanta, Wheeling, Columbus, Minneapolis, Louisville, Hagerstown, Little Rock, Shreveport, Nashville, Bismark, Springfield, Buffalo and at many others, and this year our customers have won at Winnipeg, Brandon and Grand Forks, thus proving that our birds will win in **any competition**.

Our young birds this year are **much superior** to those of last season, and many of our early hatched cockerels and pullets are now up to standard weight, and many of them were bred from our first prize cocks at Chicago, 1912, and first prize cockerel, New York, 1911. Every bird is conditioned, free of charge, by our superintendent, Mr. Rawnsley, and he cannot be beaten in conditioning birds, is the verdict of all who saw our display at the great shows.

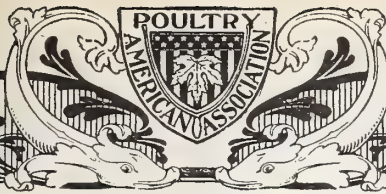
**Every bird** on our farm is personally **looked after, reared, selected and conditioned by the owners**, no outside help being depended on; we only breed the **highest quality White Orpingtons**, and in devoting **our entire time** to it lies the secret of our extraordinary success, and thus can we supply our quality at reasonable prices. We ship birds on approval, and **guarantee satisfaction**.

Let us quote you prices either on **show birds** or **large vigorous breeders**, to build up your flock. We will reserve you a winner, and condition same, on receipt of a **small deposit**, and would advise early inquiries as we only sell to one customer for a show.

Send for our 56-page catalogue, and you will become one of our many satisfied customers.

**Aldrich Poultry Farm, 5078 N. High St., Columbus, Ohio**





# AMERICAN POULTRY JOURNAL

Entered as Second-Class Matter August 9, 1886, at the Postoffice at Chicago, Ill., under Act of March 3, 1879.

Volume 44

Chicago, Ill., September, 1913

Number 9

## American Poultry Association Annual Meeting

Five Hundred People Attended the 38th Annual Convention, Held at  
Atlantic City, N. J., August 11 to 16.

*By Prince T. Woods, M. D.*

FRANK E. HERING, of South Bend, Ind., told us at 1:30 o'clock good morning, immediately following the final adjournment of the Atlantic City convention, that he knew just how we would start our report of the meeting. Now, we are willing to wager him a large round dollar against a hole in a doughnut that he didn't expect the report to start in any such way. We have other reasons for beginning as we do. Some day the historian of the association will desire knowledge concerning when and where Mr. Hering first made a noise that made the members sit up and take notice. Now, of course this information may be contained in the expurgated official copy of the "Proceedings," but we are told that few read them, and some don't get any, so the historian may not, but we feel sure that he will have a file of American Poultry Journals to refer to.

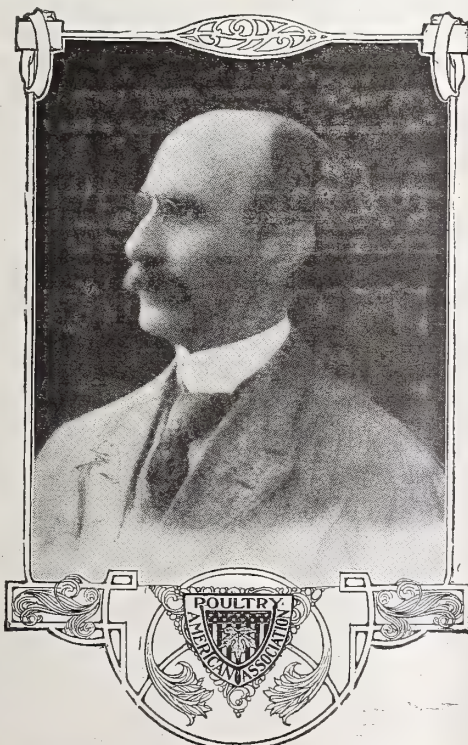
As George Monroe, the comedian says, "Be that as it may." The gentleman from Indiana was in the midst of the discussions as soon as the first meeting was regularly opened for business, and he staid in at every meeting of the series until the last gun was fired and the lights turned out on the pier, in the small hours of Saturday morning. At first there was a disposition on the part of the old-timers to resent the intrusion of a new member in a field that had for years carried with it patents of almost exclusive rights to oratory; but he was so very much in earnest, so whole-heartedly eager to be help-

ful and not destructive, and so eminently fair and square that he made a host of friends and finally received a vote of thanks from the association. We hope that his interest in poultry and in the association will continue and that at the next annual meeting, which ought to be held in Chicago, we will have another run of Hering (as we sometimes put it in the East). We hope to see him at work again on the floor of the convention and that he will have time to make a careful

study of poultry problems between now and then. If there are any more like him interested in poultry we hope that they will come into the association and get busy. The association and the poultry business needs them.

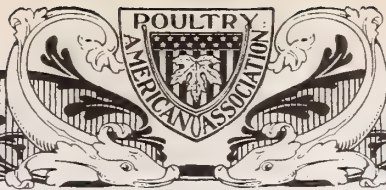
Friend reader, before you finish reading this report you may wonder where we got it. For your information we will say that for once we are going to report an A. P. A. meeting in a way that doesn't accord with the standard fashion. If you want the official version you can get it in the "Quarterly Bulletin" and "Proceedings" of the association.

We arrived in Atlantic City on Monday morning, August 11, about noon. After we surrendered all our spending money and a mortgage on our future salary for a room facing the ocean and board for the week in boardwalk hotel, we went to headquarters and were duly registered and labeled. After that we were assured that Mayor Riddle had promised that if any member of the association got into trouble he would



E. B. Thompson, President American Poultry Ass'n.





Members of the Executive Board of the American Poultry Association in attendance at the Atlantic City Convention.

get him out. After a few more hours in Atlantic City we became convinced that the assurance of the mayor was intended to be very comforting and we felt glad to know that we had someone back of us who would make it unnecessary to go home in a barrel in case the hotel men and others got our clothes after emptying the pockets.

It was a great week. We arose at 7 o'clock every morning and retired at anywhere from 1 to 3 o'clock the next morning. From 8 a.m. until midnight, and sometimes later (or earlier, as you please), there was something doing on the floor of the convention in the Greek Temple on the pier, and we didn't want to miss any of it—and we didn't miss much. We had to cut out taking any of the side trips proposed by the entertainment committee, though we would have liked to take them all in. Copy had to be prepared for this report, and we had a 400-mile broil in a Pullman to make before we could get into office harness and pound out our story. That is all the excuse we have to offer for the report as you read it. We'll entertain a motion to be forgiven and will further say that we are so saturated with parliamentary procedure and "Robert's Rules of Order" that we have to get a motion duly made, seconded, discussed, put, and carried before we dare eat a bite of breakfast—we don't want to make any grievous mistakes.

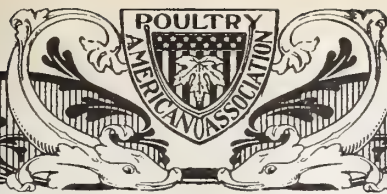
It was a great meeting, that thirty-eighth annual convention of the American Poultry Association on the Million Dollar Pier. Five hundred were enrolled on the official register, and that is a record-breaking attendance. Even if but little was accomplished in the business meetings and much hot air was turned loose in the debates, it was a good meeting, developed a lot of interest, and the exchange of ideas and the fellowship

was helpful. We were sorry not to get some of the lectures, but they had to be cut, or sidetracked to make way for the regular order of business and debates on various questions. The lectures will be published in the official proceedings.

We haven't attended a convention of the association since the last one held at Niagara Falls, until the one just closed. If all the meetings of the future hold as much interest as this one in the "Queen City by the Sea," we hope we won't have to miss any more of them. It may be, probably is, true that the important business is transacted, cut and dried behind closed doors in the executive board, but that will be changed some time, and in the meantime there is plenty to entertain and interest one in the open meetings to make it worth while.

Monday and Tuesday were devoted to executive sessions of the Executive Board, to registration of new arrivals, and getting acquainted. Tuesday evening there was an informal reception for the ladies of the convention at the Arlington Hotel. At the same time a "stag" smoker was given for the men in the Greek Temple on the Million Dollar Pier. During Monday and Tuesday members had an opportunity to see the sights of Atlantic City, and the Entertainment Committee furnished complimentary tickets for the various amusements and for chair rides on the boardwalk. We swore that we wouldn't ride in one of those hypertrophied go-carts, as we graduated from that style of conveyance over forty years ago, but our resolutions didn't make any difference—Mrs. Woods got us into one on the morning of our departure and we perambulated the length of the boardwalk and down through the town to the railroad station. It was early in the morning and we don't believe any member got a picture of the show. On arrival at the depot the customary proceedings fol-





lowing a morning ride in a perambulator were dispensed with, the committee in charge of the expedition having decided that we had long ago outgrown that method of receiving nourishment. We really would have felt more at ease if we had been duly spanked and "gone bye-bye." 'Nuff said!

President Reese V. Hicks called the convention to order promptly at 9:45 on Wednesday morning, August 13. The hoodoo date didn't worry anybody, and it was a big meeting. A telegram was read from President Woodrow Wilson expressing his regret at being unable to be present and his best wishes for a most successful convention. A letter of regret was read from Governor Joseph F. Fielder of New Jersey.

Charles D. Cleveland, of the New Jersey branch, in a brief address made everybody welcome. Right here we want to say that Mr. Cleveland worked hard and effectively to make everybody welcome, happy, and to see that they had a good time. He didn't confine his welcome to talking about it. We believe that everybody appreciated his efforts, and we know that we did. We never had an opportunity to get well acquainted with Mr. Cleveland before, but we had a mighty good chance to size him up during the convention week, and we were not disappointed. The coming winter he will make his debut as superintendent of the Madison Square Garden (New York) Show, and we expect to see him get results.

Mayor William Riddle of Atlantic City made an address of welcome and told how much money the denizens of the boardwalk city had made out of visitors like ourselves during the past few years. (Everybody believed him.) He also explained at some length how the Henry George single tax plan would prevent men like himself from accumulating so much "unearned increment" whereby he had gone beyond the million dollar mark in a very few years. (We believed that.) He closed by assuring everybody that the police had instructions to be courteous and lenient, and that he ran the town, anyway, and that if anybody got into trouble all they had to do was call him up at City Hall and he would get them out. (Somehow, after three days in the "burg," we didn't feel like taking any chances with that.) The mayor assured all of us that he is a poultryman and that he has a plant housing 175 Columbian Wyandottes on Albany avenue, near the beach. We are sorry we did not have time to look them over.

President Hicks responded for the association, and his remarks were pertinent and pithy. Mr. Hicks has certainly qualified as an able and fair presiding officer, and we hope that on retiring from the presidency he will not slow up in his activities on behalf of the organization. The association needs him in its business.

Roll call by states showed all sections of the United States well represented, and a delegate from Canada. The far West, middle West and South was well represented. Massachusetts had the largest delegation from New England, and Pennsylvania responded to the roll with the largest number from any one state and received applause. New Jersey, entertaining the convention, was a close second.

Dr. Lippman, director of the New Jersey Experimental Station, made an address in which he dwelt on the advantages of organized effort in poultry work. The usual routine business of the convention was then taken up. As the regular printed program was not followed because of time taken up in discussions and transaction of business, we will not attempt to report this conven-

tion by the regular daily sessions, as we have done in past conventions which we did not attend and wrote up from stenographic reports. Members who are opposed to the style of this report will please not read any further.

Chairman Wittman of the lecture bureau asked for an appropriation for the lecture bureau to be used in obtaining lantern slides on poultry subjects for loan to lecturers in promotion of work for poultry. After some debate the motion for an appropriation was amended to include the thousand dollars but to establish a Bureau on Lectures and Publicity for the purpose of promoting the dissemination of poultry instruction and to advertise the association. Grant M. Curtis spoke at length in favor of advertising the association, and said that no one could view Atlantic City from the boardwalk and fail to appreciate that "it pays to advertise." The matter was referred to the Executive Board.

A great deal of the time of the convention was taken up in listening to and discussing the proposed changes in the 1915 Standard of Perfection. We do not propose to report this matter at length. It will appear in the official reports, and it is sure to come up for further revision and more lengthy discussion at the 1914 meeting. It is too good an opportunity for advertising to be missed, and we can rest assured that it won't be overlooked at the next meeting. A good deal of time was wasted on advertising oratory of this sort, much of which had a familiar sameness, as if we had heard, or read, much the same thing before in reports of previous meetings. "Be that as it may," the discussions brought out a good deal of interest, even if they did consume valuable time, and not infrequently we felt that modern vaudeville has nothing on the convention antics when it comes to entertainment and amusement. Some of the men who talked most said the least, and some of those who said little made their points most effective.

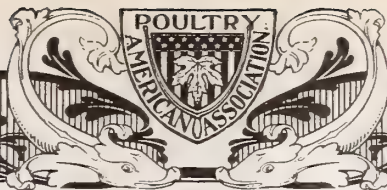
The convention "swatted" both "rooster" and "stag." Hereafter these terms will not be recognized by those who abide by the Standard, and will not be considered good form. Back-lotters will please take notice that hereafter the correct terms (as they have been for a long time, but "blushing unseen") are now, as always, officially cock, cockerel, hen, and pullet. "And there ye are."

The definition of "side sprig" stirred up a lot of debate. We believe that side sprigs always will cause dissention and discussion and some cussing. The pesky things are a nuisance and might well be swatted along with some other disqualifications. But, "be that as it may," some members were not going to permit side sprig to mean any old growth on a comb, and they had their way about it. Hereafter the disqualifying side sprig will be understood but not stood for as "A well-defined pointed growth on the side of a single comb."

All through the "glossary" the members waded deep and dove through the breakers, until, from the floor and by referring back to the committee, the definitions were made to suit the majority. If they are not again revised in 1914 you will get them in the 1915 Standard, which should be ready for mailing after the fall and winter shows in 1916, or later.

The revision committee, without due deference to the "old guard," had throughout the text substituted the term "breeder" for "fancier." The change brought out a lengthy discussion in the evening session, and it was voted to use the term breeder instead of fancier. We'll "fess up" right here and say that at the time





the word "breeder" appealed to us as the broader term and including the other. We owe it to Richard Oke and J. H. Drevenstedt that we have a better understanding of how the matter stands with them and with others of the "old guard." It isn't wholly a matter of sentiment, though that has much to do with it. In the morning session on Thursday the matter was again brought up for reconsideration. Some of the speakers had a notion that the price a man pays, or is willing to pay, for a specimen is what makes the fancier, but the old timers soon killed that idea and differentiated between the breeder, who may or may not be a fancier, and the fancier who fancies poultry for fancy's sake, a love of the beautiful and in the pursuit of an ideal. The old guard won. Hereafter the committee will use at discretion the terms fancier and breeder, one or both as may be needed and both terms will be defined in the glossary.

The attempt on part of Barred Plymouth Rock breeders to get a one-half pound reduction in the Standard weight of hen was lost after prolonged discussion. The Barred Rock men wanted to reduce the weights in all Plymouth Rock varieties and not to change the Barred variety alone, as they felt that it might work an injury to the Barred Rocks if the weight was reduced in that variety alone, but they were strong for the smaller hen. An attempt to reduce the weight of Rock males was lost, reconsidered and lost again. The weight of Plymouth Rock females will undoubtedly be brought up again at the next convention for reconsideration. Some of the Barred fancy are bound to have a 7-pound hen instead of a 7½-pound one. We believe that most breeders of White Rocks will be opposed to any reduction in weight, as several were who attended the convention. It is our personal opinion that it would be a great mistake to reduce weights in White Rocks. We have found the large hens in this variety to be just as good and even better layers than many of the small ones. In fact, we believe that size and weight does not necessarily have anything to do with fecundity. We have had quite a few big White Rocks and when we stock up again it is the big kind that we want, as we know from experience. We are content to see the Standard weights go without change but we certainly are opposed to any reduction in Standard weights. Personally we prefer 7 to 8-pound pullets and 9 to 10-pound hens in White Plymouth Rocks. To the breeder who thinks we can't find them we extend an invitation to visit some of the market plants of New England next February and March. The big ones may not be particularly plentiful or "average" specimens, but last March we saw a flock of nearly 2000 that would reach the weights we have named.

Standard weights in Leghorns were fixed at: Pullet, 3 pounds; hen, 4 pounds, cockerel, 4½ pounds; cock, 5½ pounds. The western delegates wanted heavier females, particularly pullets but their motion did not carry.

Bleaching plumage and faking were made a misdemeanor and disqualification, and hereafter any exhibitor indulging in such practice may be punished and his specimens debarred from exhibition.

The report of the Committee on Plymouth Rock Breed Standard, showed no expenditures and little progress. This committee is in a measure tied up in its work until the 1915 Standard revision work is completed. There was considerable debate on the advisability of publishing separate breed standards and par-

ticularly the first of the series the Plymouth Rock Breed Standard. A good many members were opposed to the separate breed standards on the ground that they would not pay. Mr. Curtis took the floor in a vigorous speech in favor of separate breed standards. He believed that they would pay well and were needed. He was so positive concerning the financial value of a properly made and published breed book that he offered the association \$50,000 for the exclusive right to publish breed standards, authorized by the association, for a period of 10 years and said he would have them on the market in a comparatively short time. His offer was not taken, but it helped to convince a good many members that publishing breed standards will pay if gone about in the right way and if the right sort of material is put into the books. This matter was ruled out of order as the association voted at a previous meeting to continue the work of the committee and fixed the date for a portion of its work as following the completion of 1915 Standard revision.

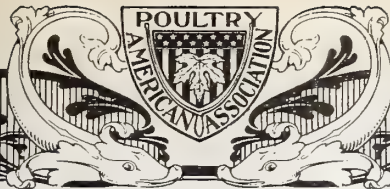
The only lectures programmed which were actually given in the convention hall were a talk on "Breeding for Egg Production," by Dr. Raymond Pearl of Maine, one by Prof. A. L. Clark on "Improving the Flock" and one by Judge W. H. Card on "Fundamentals in Fancy Poultry Breeding." It was announced that the other lectures on the program would be given at the Hotel Dennis, but most of the members remained in close attendance on the business meetings in the convention hall. The lectures are to be published in the "Proceedings."

In the Executive Board meetings it was decided not to introduce the subject of changing the name of Rhode Island Reds by dropping the words Rhode Island. There was a vigorous protest against any change of name and it was finally decided to put the matter to a mail vote. We hope that the name will not be changed. Rhode Island Red has a meaning all its own and the variety has been well advertised under that name. It would be poor business to drop the "Rhode Island" and we believe a big mistake. It would be just as poor judgment to drop the word "Plymouth" from the name of the Plymouth Rocks. A board member reported to us that J. J. Wingent had been suspended pending settlement of a difference with a customer. T. Reid Parish, Nashville, Tenn., had license revoked and was expelled from the association for alleged violation of copyright and his attitude toward the board when censured at the Nashville meeting. C. A. Dobbs, Gainesville, Ga., was expelled because of alleged refusal to settle certain unpaid accounts.

The association voted to allow Secretary Campbell \$25 per month rent for the American Poultry Association offices. It was also voted to buy the secretary a fire proof safe and suitable filing cabinets.

"Rule 17, Jr." came up for some warm discussion. After everybody had talked their fill and Editor DeLancy had delivered a "steen" page typewritten oration in favor of the rule, G. M. Curtis rose and advised everybody subject to heart failure to leave the hall as he was about to talk in favor of the rule. As he was the father of the original "Rule 17" and introduced the original rule to the association, it was not necessary to adjourn the meeting to carry out the wounded. It afforded a nice opportunity to rehash some of the oratory that has held at least one previous convention spellbound and it provided for some nice free advertising for "solicitor judges," artists, maga-





zines, etc., whether they happen to belong to Mr. Curtis or some one else. And it goes into the record and keeps them all before the association and it is too good to lose and will undoubtedly be discussed a lot more next year. Anyhow it is harmless and ineffective and means nothing as it stands. Here is the "Rule 17, Jr.," as passed:

"That no man or woman who is connected with any poultry publication or periodical carrying poultry advertising be permitted to solicit advertising at any show held under the rules of the American Poultry Association at which he or she may judge. This rule becomes effective July 1, 1914."

This rule was supported by the Pennsylvania Branch. The joke is that it never can be effective as it cannot and does not prohibit soliciting anywhere except at the show and the solicitor judge can solicit at his discretion in hotels or any place outside the show where he now gets many of the big contracts. Also it does not become effective until all of the shows are over that will be held before the 1914 convention. It can then come up for further discussion and furnish some more nice free advertising and an outlet for pent up hot air. There is nothing like having a good hardy perennial to depend on, other subjects to talk on might run dry, but this is like Tennyson's "Brook":—

"For men may come and men may go,  
But I go on for ever."

The newly elected officers of the association were inaugurated on Friday evening. Retiring President Reese V. Hicks made a brief address thanking the association for its consideration and helpfulness during his term of office and stated that he had found much pleasure in his work for the association. President E. B. Thompson after inauguration made a brief address and afterward turned the chair over to Vice-President Peters, who also addressed the meeting at some length. Secretary Campbell expressed his appreciation of the hearty support he received for re-election and told of the progress of the association and its great increase in membership and financial prosperity. Votes of thanks were taken for the retiring officers. A vote of thanks was given to Grant M. Curtis for work done for the good of the association during the convention and another similar vote of thanks was unanimously given to Frank E. Hering, of South Bend, Ind., for his earnest and helpful work during the convention. The new Jersey State Branch was likewise formally thanked for its entertainment of the convention and votes of thanks were passed for the various lecturers. The convention reached a final adjournment shortly after one o'clock in the morning on Saturday, August 16th. Everybody tired, but happy and the best of friends. All hatchets and hammers thrown overboard from the end of the pier in six fathoms of ocean water, no diving permitted.

Saturday, such members as were not obliged to hurry home, took in interesting side trips visiting New Jersey poultry plants. A roast duck dinner was served to A. P. A. members at Rancocas Farms and Laurelton Farms, 40,000 fowl capacity at Lakewood, gave a chicken dinner to visiting members. We had to hustle home and write this screed and so missed them both, which may account for the style in which it is written. Following are the amendments passed:

#### Amend Article IV, Officers, Section 2.

The Executive Board shall consist of the President, Vice-Presidents, Secretary and nine elective members, together with the Presidents of all accredited Branch Associations. In the absence of the President of any Branch a member of the Branch, having credentials signed by the President and the Secretary of the Branch shall be entitled to serve on the Executive Board and perform all duties required of the President of the Branch. These credentials must show that the Branch Association has held a regular meeting within one year, and that the alternate representing the President and the Branch is a member in good standing.

Amend Article VI, Sec. 23, by inserting the words "not oftener than" just before "once in five years," of the last line, so as to make it read:

"It shall appoint, instruct and control the Standing Committee on Revision of the American Standard of Perfection and take the initiative in providing for a revision of the American Standard of Perfection not oftener than once in five years."

Amend Article VI, Sec. 38, by inserting "not oftener than" before "once in five years," in the last line, so as to make it read:

"At least one year before the time for a general revision of the American Standard of Perfection all such information, suggestions and requests shall be classified by this committee, and placed in convenient form for adoption or rejection by the Association at its annual meeting, or by a general revision committee to be appointed by the Association. This Standing Committee on Revision shall make an annual report to the Executive Board, and shall be made members of the general committee on revision to be appointed by the Association not oftener than once in five years."

Amend Article X, Sec. 1, by inserting "not oftener than" just before "once in five years," in the last line, and removing the last words, "and not oftener," from that line, so as to make it read:

"A general revision of the American Standard of Perfection shall take place not oftener than once in five years."

Amend Article III, Sec. 5, to read: "The Secretary shall drop from his mailing list any members who have failed to vote at the two preceding elections, provided such members shall first be notified by letter, to their last known address that their names will be dropped unless they in writing request that their names be retained on the list. Provided any name may be restored to the list by giving notice to the Secretary in writing that he desires to receive ballots, Bulletins and other literature."

Amend Article IV, Sec. 4, to read as follows: "The Finance Committee shall consist of the President, who shall be chairman, the retiring President and one elective member of the Executive Board, and shall serve for one year. In case of a President succeeding himself, the third member shall be elected by the Executive Board by ballot, from among the elective members."

#### Renumber all sections of the present Show Rules.

Amend the present Section 1 of said rules so as to read as follows: "Section 2. Entries shall close the day and hour advertised (entries bearing the post mark of that day being eligible). All entry fees must be paid on or before the date of the closing of entries, except in exceptional instances. Any Association violating this section shall forfeit its membership."

Following is a list of the various committees of the New Jersey State Branch that made the Atlantic City Convention so enjoyable for everybody:

President, J. Harry Wolsieffer, Vineland; 1st vice-president, Louis G. Heller, Bridgeton; 2d vice-president, Fred Huyler, Peapack; treasurer, Philip Kearney, Florham Park; secretary, Sydney R. Clarke, Harmony Park, Scotch Plains.

Executive committee—Chairman, Harry R. Lewis, New Brunswick; Rufus Delafield, South Plainfield; J. C. Punderford, Freneau; M. R. Jacobus, Ridgefield, N. J.; C. D. Cleveland, Eatontown, N. J.

Finance committee—Chairman, Philip Kearney, Florham Park; Rufus Delafield, South Plainfield; J. C. Punderford, Freneau; Sydney R. Clarke, Harmony Park, Scotch Plains.

Railroad and transportation committee—Chairman, E. R. Collins, Westfield; F. J. Seton, Princeton; Howard L. Davis, New Egypt.

Program committee—Chairman, H. R. Lewis, New Brunswick; W. H. Bidgood; Howard Seaver, Brown's Mills; F. H. Gillingham, Bloomfield; A. L. Clarke, New Brunswick.

Badge committee—Chairman, W. H. Taverner, Westfield; Henry Schnitzer, Fairton; H. S. Hill, Campgaw; Charles Staff, Florham Park.

Entertainment committee—Chairman, William T. Rainey, Caldwell; Percy A. Cooke, Scotch Plains; A. B. Dalby, Redbank; E. L. Geisel, Morganville; Henry Hales, Ridgewood; James Glascoe, Mahwah; A. A. Hunter, Merchantville; Charles Nixon, Washington; William A. Smith, Metuchen; E. E. Alt-house, Sellersville, Pa.; John Murkin, Heidelberg Bldg., Broadway and 42nd street.



# Impressions of the Annual Convention

Interest and Enthusiasm of Those in Attendance Apparent During the Meeting of  
the American Poultry Association at Atlantic City.

By Helen T. Woods

THE COMING TOGETHER of men and women from widely separated communities for the advancement of a mutual interest is in itself an education, the benefits of which are far-reaching and beyond compute. From the time of the opening session of the American Poultry Association Convention at Atlantic City on August 13th until its adjournment on Saturday, August 16th, at 1:30 a. m., this fact was most apparent. In numbers in attendance as well as in unquestionable interest and enthusiasm in the proceedings, the Atlantic City Convention should go down on record as the beginning of a new and broader usefulness than that which the association has heretofore enjoyed. The closing meetings were especially pregnant with this fact.

In taking the convention to Atlantic City, it was the opinion of many that because of the numerous other attractions at this popular resort, the attendance at the meetings would be small, especially since practically the entire time was given over to the transaction of business, but this proved not to be the case. The attendance at the meetings was nothing short of extraordinary.

I had the honor, and I will add privilege, of attending all of these meetings and I feel that could the five thousand and more members of the association realize the importance and tangible worth of these meetings, the attendance would be nearer five thousand than five hundred as was the case, with the membership increased accordingly. With the extent to which the poultry industry has progressed during the past decade, and considering the vast numbers of people who are actively engaged in the pursuit of poultry culture, the American Poultry Association must inevitably double and triple and quadruple its present membership. The association is no longer narrowed down to the interests of strictly fancy poultry, which in the beginning made it possible. The day has passed when humanity felt called upon to continue along a narrow line drawn by their fathers. Today every broadminded son of Adam is ready to remove a barrier from the path of the coming generation that thwarted his earlier undertakings. Down to date there are only a few things that have been absolutely proven and we are willing to accept these; but the extent of human ability and human accomplishment, the development of the mind and the latent forces of mankind, remain as an unsolved problem for each individual to work out his own salvation. What the mind can conceive, it can in time work out; and this getting together and discussing the future possibilities of the breeding and rearing of poultry is the best thing that can happen for the advancement of the poultry industry today. It is not in line with progress to make any hard and fast rules along lines about which we know little or nothing, and the day will never come when intelligent men and women will believe a thing because someone told them so. At least it isn't in the spirit of Americanism. Over four hundred years ago Columbus proved his case, and every day men and women are doing the same. When the day comes that we will only attempt such things as have proved successful with others, the process of evolution stops and destruction begins. If innovations had been tabooed in the human family, we would still be in the Garden of Eden wearing fig leaves. The thinking poultryman wherever he may be is willing to take the hard



knocks that are inevitable in proving his case for he realizes first and always that there can be no progress without such a stand.

The discussion relative to the use of the words "fancier" or "breeder" in the text of the revised Standard brought out the fact that in the minds of at least a majority of those present, the word fancier was not broad enough to cover the field today, and in no way was this more forcibly brought to mind than in the statement by one gentleman in his definition of the word "fancier, a breeder of fancy fowls," with the result that both words will be used in the text at the discretion of the committee.

I heard the remark made by a member of the association that the first meeting he attended appeared to him as nothing more than "a play of words" and he was beginning to question the advisability of further attendance at the meetings, but the very earnestness with which these men and women were working for a creditable future for the association so impressed him that he was soon as enthusiastically interested as any man there. Now, that is the rare quality that the American Poultry Association is in possession of at the present time—the interest and enthusiasm of its members. And having it in a pronounced form, there is no limit to the possible future accomplishments of the organization. The members who, frequently in hot debate, remained night after night in the Greek Temple to fight against detrimental action, or to strengthen desirable changes for the future good of the organization did so through no expectation of personal gain or personal aggrandizement, but through actual desire for the Association's best good and future growth. There was no one thing so pleasing to the observer in attendance at these meetings as the impersonal interest displayed by its members. It was everywhere apparent that all were working for the Association's best good regardless of any man's gain, which shows that the members of the A. P. A. have reached a desired stage in their development—that of realizing that there is work enough and opportunity enough for all the minds and all the hands, and that the greater the interest and growth of an industry, the greater good for all.

Probably few of us realize the worth of an effort born of sincerity. Taking hold of a matter in a half-hearted, lackadaisical fashion will seldom if ever culminate in the success of an undertaking. The sincerity of purpose is after all what counts, and no matter how small the effort, if it is honest and sincere, the impression is bound to be worth while. The sincerity of purpose of the men in attendance at the Atlantic City convention was felt by all observers. And we need more such men. Mr. Cleveland, of the New Jersey State Branch (let us hope we may soon say the American Poultry

Association of New Jersey, following the initial step in that direction taken by Mr. Byce of California), deserves much credit for the concerted sincerity of purpose at all times in evidence at this convention. A man of high purpose and pronounced earnestness and one whose efforts in behalf of the best good of the organization will be of lasting benefit. And he with such men as Mr. Hicks, Mr. Peters, Mr. Hering, Mr. Collier, Mr. Curtis and many others whose names I do not now recall, can by



Headquarters of the American Poultry Association at Atlantic City.





MEMBERS OF THE AMERICAN POULTRY ASSOCIATION IN ATTENDANCE AT THE 38TH ANNUAL CONVENTION, ATLANTIC CITY, N. J.



Poultry Association what any amount of mere boosting cannot do. Such men can infuse into the most stagnant-minded listener something of the tremendous scope and broadening opportunities made possible by the American Poultry Association.

A convention of this kind will give us all food for thought for many days. To be sure we are glad to be back on the farm, and we could not stand Atlantic City indefinitely for other reasons than pecuniary ones. But I feel that we all got our money's worth and that we can draw interest on the investment for a long time to come. I recall numerous interesting and sometimes humorous discussions outside the regular scheduled meetings while coming and going on the pier. It will be recalled that an interesting discussion was cut short at the time an intermission was taken for the purpose of having the official photograph made, and one of the speakers in talking with a little group near where I stood went on to say that the A. P. A. had reached the stage where it could not afford to stand on record as opposed to a concerted effort toward progress in its affairs. "What I thought or what you thought ten years ago about this organization does not count today. The time has come when everything must be laid bare and things valued at their real worth," continued the speaker. A little lady standing by her tall escort made the remark in a stage whisper that she believed in progress, but she hoped the

speaker did not mean that eggs would be laid without the customary shells on. Which accounts for many of the smiling countenances in the official photograph. Some of those assembled did not hear it, which accounts for the others.

At the meetings in the Greek Temple it was sometimes a little confusing unless one sat "well up front," for the conversation from about the outer steps competed with the regular order of business in the matter of interest. I overheard one such conversation in regard to a new breed of fowls which are to make their appearance in the show room before many seasons. As layers to date they eclipse any breed now before the public and in fixing their type, etc., their owner fears that this characteristic may be lost, so he has named them the "Macduff" fowl and regularly quotes Shakespeare to them. At this point the clang of the flinty gavel in the hands of the ubiquitous Mr. Hopper brought the body, both inside and outside the portals of the Greek Temple, to attention and the regular order of business proceeded.

As one attending the convention of the A. P. A. for the first time, I will say that whether the future meetings of the Association are held in Chicago, Washington, San Antonio, San Francisco or Nome, Alaska, I shall hope to meet you all there, and thousands more of our countrymen and women who are interested in better poultry and more of it.

## When the Slogan Should Be Vigor

Take Time to Study Your Birds—Selection Must Be Pursued with Fidelity—  
Vigorous Fowls Necessary to procure Vigorous Eggs

By H. H. Stoddard



**T**O HAVE VIGOROUS fowls, hatch them from vigorous eggs; but vigorous eggs cannot be procured except from vigorous fowls. How shall the utility breeder commence when he seeks to stock up a new commercial plant? It is like finding the beginning or the end of a ring.

In the vegetable kingdom there are all degrees of strength. By this we mean that a plant may have some seeds that are plump and well filled and which contain the germs of future generations of plants which if placed in the earth will germinate and produce their kind,

while there are other seeds that are shriveled and shrunken and will not grow, although at first sight they do not, to any great extent, appear inferior to the plumpest and best specimens, aside from their dried-up appearance. At the other end of the series they are mere hulls with not a vestige of any meat or kernel to give any promise of reproduction of their species.

Between the extremes of the empty hull and the plumpest grain there is a series embracing every gradation. It has been found by experiment that even if the same conditions of soil, warmth and moisture are present, some grains give healthy plants which reach maturity, while others just start to grow a little and then die without making their way to the surface of the soil where they might receive the genial rays of the sun.

There is something very much akin to this in the hatching of eggs. There are some that are perfectly and absolutely barren, there are some that are capable of producing

### Vigorous Chickens,

and between these extremes there is every shade and grade. Many poultrymen find chickens dead in the shell. Some die after the egg has been sat on eighteen, nineteen or twenty days, and the chick appears full sized and ready to burst the shell; some, however, die in the twelfth or fifteenth day and some on the fifth day. In some cases it appears as though the germinal speck just started in its growth and was then nipped in the bud.

When a poultryman of an inquiring turn of mind breaks the eggs that have failed to hatch he finds the germs in every stage of growth, from the first trace of organization up

to the apparently perfectly formed chick, which looks as if all it had to do was to break the shell and be warmed and dried in order to run around and pick up its own living.

There are many cases of arrested development and death in the shell at different stages that cannot be attributed to any treatment which the eggs have received after they have been put under the sitting hen or into the incubator; for other eggs subjected to exactly the same treatment, hatch and produce vigorous chickens. Now what is the reason for all this? Surely is it not the character bestowed upon it by the hen that laid it, or the sire that fertilized it, or both? There is such a thing as inherent weakness which the egg receives before it is laid and which gives a tendency to the germ to die before it has become very much developed.

The breeder should aim to keep his stock so strong and vigorous and subject them to such favorable conditions during the term he is using them for breeding purposes that every germ encased so neatly in its cell shall be essentially strong and vigorous. It does not need that the breeding stock should be actually sick in order to impress a feeble and degenerate condition on the eggs. The fowls may be apparently in perfect health, yet their eggs may have become impaired by insufficient diet, or by a wrong kind, or by too much laying. Possibly, too, by descent from an ancestry of phenomenal layers that have begun to be "improved off the face of the earth." Green food is very conducive to the inherited strength of the germs from the parent stock. Also plenty of exercise, running, and scratching such as fowls get when they have plenty of range, has an influence upon the strength of the chickens.

But all the suitable food and management, and all the running and scratching possible will never produce healthy, normal eggs unless the layers of the eggs are healthy and normal, and such layers, in the first place, can never exist except as hatched from healthy, normal chicks. And there you are again.

The time gained by the use of labor-saving devices should be largely employed in scrutinizing breeding stock. As far as a particular shape of a fowl indicates good laying qualities, that is all poppycock—so far as I know, down to date, though I am open to conviction. But there are visible tokens of health and vigor.

In every poultry yard there will be quite a difference, discernible to the trained eye in the carriage and activity of



the several fowls. To the untrained observer they look exactly alike. He can see no difference in them. This similarity in the midst of difference is what every breeder takes for granted.

#### Pick Them Out.

The experienced keeper never expects to have his fowls exactly alike. No two human beings in all the millions that inhabit this globe, no two leaves in the forest, no two peas, beans, grains of wheat or kernels of corn in all the bushels that are annually gathered from the nourishing bosom of Mother Earth, no two sheep in the many flocks that bleat upon the grassy hillsides, and no two cattle of the many herds that come lowing up the lane when night drops her jeweled curtain down, can be found alike in every particular.

If the egg farmer cannot tell (give him time to observe leisurely) which birds show the signs of health and vigor, he is badly handicapped surely. These signs, many of them, can be but poorly described in words. You cannot put in words the peculiarities by which you recognize different persons, yet you know them well enough, and, for that matter, so does a child or even a dog. There are in fowls some outward signs of vitality that may be described. In all breeds, but especially Leghorns, alertness and sprightliness of movement are significant. In the cock, frequent crowing and talking to the flock, and in the hens prolonged and loud craking are good signs. Combs and wattles of both sexes quite large in proportion to the size of the bird are desirable. But some of the most important signs of vigor cannot be described either by the writer's pen or the artist's pencil.

#### Take Time.

There is nothing you can do in the poultry business that will pay so well as to "loaf and invite your soul" by sauntering around in the flocks of pullets and cockerels respectively, selecting birds.

After the culling do not let your scrutiny stop there. Keep throwing out, month after month, from your choicest flock, all which, as they develop, fail to answer first expectations. Selection must be pursued with the fidelity which the navigator bestows upon the course of his ship.

W. H. Rudd, one of the most eminent of the old timers, resigned a good position which he had held for twenty years, to start a poultry plant which he stuck to for forty years, and at the beginning bought three hundred fowls, studied them carefully by spells, for a week, and threw out one hundred. Two weeks of study at the next pull, and he threw out another hundred. Utility was the criterion, no attention being given to Standard points. The remaining hundred birds formed the foundation of the work of himself and sons for more than a generation while they were building up the greatest poultry firm in Massachusetts.

To hit the high places in utility, poultry breeding requires the keeping of a register in which the names of the breeding stock are entered, an account of matings preserved and an entry made of chicks reared. As a matter of course a goodly amount of punching must be done, or using rings. It is a little trouble to do these things, but not so much as is generally imagined.

It has been objected that as ten to fifteen or more hens usually run with one cock, and as eggs are so nearly alike, it would be very difficult to tell which egg was laid by a given hen; the keeping of a pedigree book becomes an impossibility or if not, a troublesome and complicated affair anyhow, even with the aid of trap nests.

But the objection is not valid and is very easily overcome. The best method and the one employed by some skillful breeders, is to make up a pen, the females of which are full sisters, and give them collectively one name. With them is placed a cock which is also named. The record for the pen would then stand, "Sire, Horace; dam, Susan," and the chicks hatched from the eggs of that pen would be recorded as sired by Horace and out of Susan. The next season a squad of these pullets might be selected and collectively named, say Corona, and mated to a cock named Peter.

#### The Advantage

of keeping such a record consists in the ability of at once tracing the introduction of new blood, and of being able to prove the quality of the stock. A breeder may know that

his stock is carefully bred, but may not always be able to convince others of the fact. But with his carefully kept record he will be able to convince the most skeptical.

A still further advantage of keeping a record is that it enables one to trace the causes which produced given results. One mating has proved more satisfactory than another. Why was this so? The pedigree record tells the story. By referring to it the clue is found, and as a corollary to this the breeder seeks in the future to make such matings as have proved satisfactory in the past. He learns to be a better breeder because of keeping such a record.

These and other advantages of keeping a pedigree book ought to lead more breeders to take the little trouble and the trifling expense that it entails, for in addition to the greater pleasure it gives to the owner of stock whose pedigree can be traced through a long line of ancestors, a remarkable benefit may turn up if it chances that you find that later generations revert to some particular prepotent ancestor and fortunate nick. Then you will seek other crosses with that special strain.

There is no rural pastime or hobby that on the whole is so well adapted to the great millions of people as keeping poultry, and they must be Standard bred to yield the highest enjoyment, and the keeper absolutely must own a copy of the Standard if full benefits are to be gained. Its perusal adds immensely to the pastime.

When, however, we take up the fancy poultry business or the keeping of a small flock of fowls with a view to careful breeding and the improvement of the strain, it will be found that it is very difficult to get anybody outside of the family of the breeder who will give the very careful and minute attention necessary to insure success. The hired helper is very apt to perform his work in a mechanical way. To attend to a small flock of choice fowls in a proper manner there should be stimulus of ownership. This counts for a good deal. The attendant should be a fancier himself and take a personal interest in his charge. There are a great many poultry breeders whose business takes them away from home a great deal of time, and who experience great difficulty in finding assistants to take charge of their fowls when they are away.

To hire a man to attend to your fowls while you are away in your office or store is almost like having a

#### Wooden Man

to be wound up like clock work to do the business for you. Some things can be done by proxy very well, but you cannot very well employ another party to eat your dinner for you or attend a concert in your behalf. Neither can you be an amateur poultry fancier by proxy.

In case the fancier is so situated that he can attend to his pets himself, he reaps the full reward of the pastime. We mean that if he does everything with his own head and his own hands he will enjoy all there is in the hobby. Oftentimes the gardener of the millionaire who takes care of the flowers on the grounds of the latter enjoys ten times as much in their contemplation as the owner himself. When he has planted and weeded and watered and cared for a plant and seen it develop to the full blossoming stage, he appreciates it more thoroughly than anyone else can who bestows upon it a mere passing glance now and then. Just so in the poultry yard, to appreciate chickens completely one must have set the hen himself, removed the younglings from the nest and watched over every stage of their growth. They are then the most nearly his own. He bred them, he reared them and they are almost a creation of his.

Generally speaking, the growing, preparing and distributing of green food, just as it should be done, to young and old, consumes more time than any other single job on the ranch, take the year through. The principal work on an egg farm is not in the general care of a great number of laying fowls, but in hatching and rearing chicks up to the time they are able to perch, and in gathering, packing and shipping eggs.

A great deal of study is necessary in the management of chicks about the size of quails after they have been weaned and before they are big enough to perch upon the roosts at night with the older fowls.

#### After Weaning

you should provide a house or coop three or four feet in



height, and arrange it so that not too many will bunch together. They will huddle up in this too closely if the nights are cool, hence the necessity of the oft-repeated advice to not keep too many together. The apartment must be kept sweet and clean. If you are afraid of skunks or other marauders, you must have a tight board floor to your pen, and have a liberal opening near the top and another near the bottom for ventilation. These openings may be covered with wire netting.

The doors for the exit of your chicks must be fastened securely, and then you may feel confident that you will be able to bid defiance to all marauders. The great danger is insufficient ventilation and too much crowding. Your chicks are growing faster at this stage than before, and they will

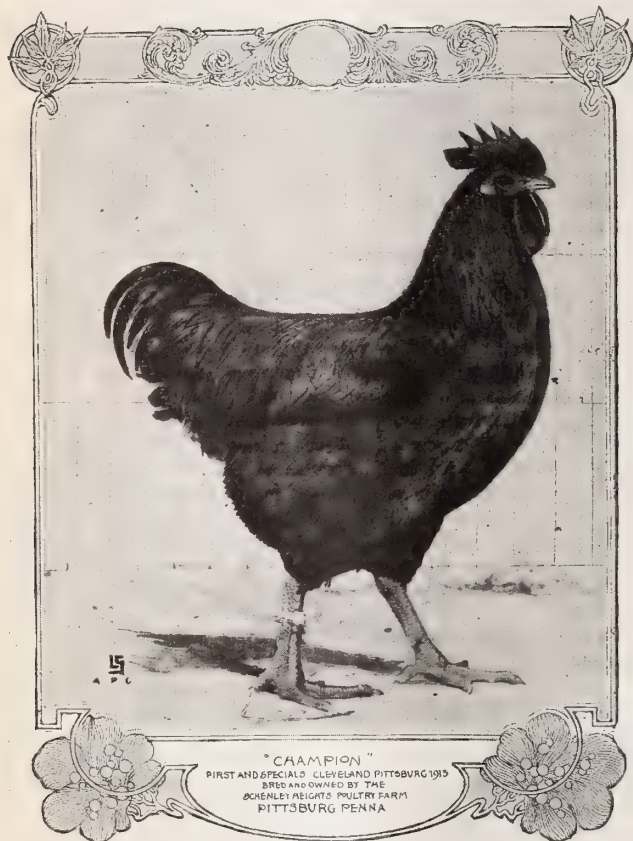
creature cannot be safely inferred from the appearance of a dead one. That carbonic acid gas would have to be present before the transmutation could be possible, but that almost everywhere in the system more or less of that agent was liable to be present., etc., etc.

I made up my mind that bones and oyster shells should be given, for, anyhow, they would be as innocent as a sucking dove whether they did any good or not.

All wild birds in a state of liberty are able to get enough lime from the natural food which they procure to answer the requirements of the system in the formation of egg shells. But they have an unrestricted diet, being able to select every kind of food, and mineral matter also, that are to be found anywhere on their beat. In this way they get enough lime, besides they do not lay any more eggs than they can cover for incubation, and therefore need comparatively little egg shell material.

Our domesticated birds have, however, acquired a habit of prolific laying that has become a sort of second nature. With this great demand for shell material goes, in many cases, a restricted range and a restricted diet, unlimited in quantity perhaps, but lacking a great many things that the wild birds can easily pick up. Hence, to be on the safe side, lime in some special form should not be omitted. Of course, as has been said, all grains and vegetables contain a considerable quantity of lime, but the fact that laying fowls will devour shells and bones greedily apparently shows that they do not get enough of this ingredient in their grain.

Every poultry keeper knows that occasionally a fowl in a flock will lay soft-shelled eggs, which are not only valueless for the purpose of incubation, but are often broken in



fill up your coop before you know it, almost. When they get to be one-third grown, you must encourage them to roost by putting small sticks across the coop, at a distance of twelve or fifteen inches from the floor.

As soon as they have fairly learned to abandon the floor altogether in favor of the low perches, move them to perches of the regulation height, the sooner the better.

In regard to the lime question, I remember that years ago a thoroughly honorable and every way admirable man, P. H. Jacobs, was editor of the first weekly poultry paper in America, *The Fanciers' Journal*, and also a learned chemist. For years he contended that fowls could not get lime for their egg shells from bones and oyster shells, but only from such foods as wheat, clover and so on. That they devoured shells and bones for the same reason that they devoured bits of quartz or ivory, diamonds if obtainable, and rather small bits of anything hard—white substances being preferred.

When living where I had the run of a medical college, I asked the professors of physiology, also professors of chemistry, whether carbonate of lime, in the form of oyster shell, could be assimilated and by the alchemy of nature transmuted to the shell of a bird's egg. They said that a chemist could do little in the realm of the subtle processes of metabolism, because these were carried on in a living organism beyond the reach of the investigator, in spite of all the assistance vivisection affords. If a dead organism was studied the normal processes were interfered with by the fact of death or, in other words, the workings of a live



the nests, and then this state of things brings about the vice of egg-eating. A great deal has been said and written about the cause of soft-shelled eggs, but we remark here that it is not necessarily in every case a scarcity of shell material, but it may be a diseased or impaired state of the reproductive system of the bird which occasions these soft shells. It has been noticed that soft shells are laid by fowls that have been injured through some accident, and sometimes apparently the trouble is caused by long continued laying, which seems to make such a demand on the stock of vitality as to cause derangements. Hence we receive many times in the course of a year letters asking, "What is the matter with my fowls? They have all they want to eat, plenty of



oyster shells, pounded bones, old mortar, and so forth, yet they lay thin-shelled eggs."

In such cases the remedy is to pay attention to the general health, change the method of feeding, and give plenty of green food if you have not already been doing so. Look well to all the conditions of health, such as out of doors exercise, air and sunshine. In some cases a cure will not be effected till after the fowl has completed her laying and had a resting spell.

In regard to the supply of egg-shell material, if you live near the seashore there is little difficulty; you can collect the material yourself on the beach; or if you are away from the coast, shells may be shipped at an expense of less than half a dollar per barrel, probably, for quite a distance into the

quite a number of fowls are kept. Scatter your oyster shells on a roadway, on or near your premises. In a few days if there is considerable travel, they will be pulverized completely, when they may be taken away and carried to the poultry house. It matters little how finely they may be ground, for the fowls will pick up the smallest particles.

The packing houses sell ground bone free from any animal matter that is subject to decay, screened to any desired coarseness (from ordinary coarse sand size up) and it will keep well. Whether this or ground oyster shell is best, prices of both considered, I wish I knew. Will the Stations tell?

Bones are useful to serve the same purpose as shells, both containing lime in the form of a carbonate, but in case of



Bungalow in a grove on Monmouth Farms, Freneau, N. J. Here 300 selected S. C. Buff and White Leghorn cockerels are provided with plenty of shade and free range. Ideal conditions for maturing active, vigorous breeding males with hardy constitution and great stamina and reproductive powers.

interior by freight. As most of our readers know, oyster shells are sent for this purpose from the towns where a great quantity of oysters are opened, the shells having first been ground by parties who make this a business. Also, old shells of minute species of mollusks are barreled for shipment, which from their small size do not need to be pulverized.

Those who live so far in the interior that freight from seashore is too high can resort to the nearest town of considerable size in their neighborhood and engage from a restaurant whole oyster shells which accumulate from time to time, so that a wagon load or more may be carried away at once. When they are hauled to the poultry keeper's premises the problem is how to reduce them to a suitable size. Given a sledge hammer and a flat rock, and a pair of strong arms will do the business, but there is a better way than this, if

green raw bone there are some objections to lime in this form. If the bones are perfectly fresh and sweet, as they may be in winter, whether they may be run through a bone cutter and the animal matter which they contain is no objection, but rather an advantage, as fresh bones contain both albumen and fatty matter, the latter predominating, and therefore form quite a nutritious item in the fowl's diet. But in warm weather raw bones soon spoil and are worse than nothing for the fowls. The remedy when bones have become rancid is to burn them, when the objectionable matter is consumed, leaving the carbonate of lime in such a state that it will keep for an indefinite period.

—o—

Read the remarkable free offer on the back inside cover whereby you can get the great American Poultry Journal Year Book free.



# EDITORIAL

WE LEAD  
OTHERS FOLLOW

60,000 A. P. J.'s FOR SEPTEMBER, 1913.

State of Illinois, County of Cook, ss.:

G. M. Atwell, president of the Atwell Printing House, Chicago, being duly sworn, certifies that the American Poultry Journal has contracted for printing and binding sixty thousand copies of the September, 1913, issue.

G. M. ATWELL.

Subscribed and sworn to before me this 17th day of August, 1913.

(Seal)

HENRY G. EISERT,  
Notary Public.

## OUR GUARANTEE.

We guarantee our subscribers against loss due to fraudulent misrepresentation in any display advertisement appearing in the American Poultry Journal, providing the subscriber when ordering the fowls or merchandise states that the advertisement was seen in the American Poultry Journal, and places the order during the month or months in which the ad is inserted in our columns and notifies us of the fraudulent misrepresentation of the advertiser, giving full particulars, as soon as it occurs.

## Day Old Chicks

To remove any doubt as to who is directly responsible for this editorial I shall sign it and make use of the first personal pronoun. By this time my position in regard to poultry health and hygiene and my work for poultry health, vigor and vitality, should be fairly well known. I do not believe my sincerity will be questioned and I have no axe to grind.

In the closing hours of the 38th annual meeting of the American Poultry Association, at Atlantic City, when everybody was tired out with long sessions and hot air discussions, a resolution was presented to the Association, which, if it had been adopted, might well have proved suicidal for the organization. The resolution had the support of a number of men prominent in Association work. It came very near being railroaded into adoption. I was one of the very few who spoke in opposition to the resolution. The matter was tabled.

One speaker, who opposed the resolution, was received with groans and cat-calls because he stated that he had sold thousands of day old chicks and had never had one complaint. His statement can easily be true. I know several men who make a business of hatching and shipping day old chicks and I am in a position to know that these men have no difficulty in satisfying their customers and that complaints are exceedingly rare. When the day old chick business is properly conducted, as it should always be, there is less chance for dissatisfaction and complaint than in any other branch of the poultry business. Most breeders will admit that the sale of hatching eggs results in an almost endless round of complaints. Yet it would be folly to use that as an argument against the sale of eggs for hatching. Eggs for hatching must and should be sold and the same is true of day old chicks.

The resolution as presented is too lengthy for reproduction here at this

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time. In substance it was to the effect that in adopting the resolution the Association would condemn the practice of selling day old chicks on the ground that it was cruelty to the chicks, spread disease like "white diarrhoea," resulted in loss of vigor and vitality and was otherwise undesirable. It pledged the Association to go before the United States Department of Agriculture and to endeavor to obtain its support to legislate the day old chick business out of existence. It further provided that the services of the Society for the Prevention of Cruelty to Animals be enlisted to prevent the sale and shipment of day old chicks on the ground of cruelty.

In support of this resolution several members claimed that many who had gone into the day old chick business were getting out of it because of complaints and because day old chicks could not be safely shipped and would almost invariably die after arrival if they did not die during shipment. They claimed that chicks were subjected to cruel treatment during shipment and that the method of shipping and losses of chicks because of ignorance of the purchasers, as well as because of vitality lost during transportation, also amounted to great cruelty to the chicks.

I consider this matter of considerable importance. A contention that for a long time has been smouldering under the surface is now beginning to shoot up flames where they can be seen, heard and felt. It is born of a fear on the part of a good many poultry breeders (not equipped or qualified to go into the sale of day old chicks) that the growth of the business of selling day old chicks will injure their own business of selling eggs for hatching and breeding stock. A good many breeders believe that the business depression of the past two seasons has been largely due to the exploitation and sale of day old chicks. As a matter of fact the falling off in business was due to more general causes and came because in the general trend of events it

was due and these things run chiefly in cycles. The wheel of time keeps right on turning and those who "keep plugging away," and avoid hysterical outbursts against matters which they cannot avoid or control, will eventually find that a season of prosperity will arrive in due course.

It is absurd to tirade against the sale of day old chicks. It is folly to bring up the question of dissemination of disease. It is rank nonsense and injustice to bring up charges of cruelty against the great majority of shippers of day old chicks, because a few do not use sufficient care in shipping, because in some cases there are losses from transportation abuses or because of ignorance on the part of the buyer.

The contention of cruelty can with just as much justice be brought against the seller of breeding stock and particularly eggs for hatching. If a buyer is ignorant of poultry work he may hatch weakling chicks from the eggs and his neglect of the chicks when hatched may amount to actual cruelty. Injuries received by the eggs during transportation may easily result in the hatching of weakling chicks that are not fit to live. There are a dozen chances for alleged cruelty and loss of vitality in selling eggs for hatching and in selling breeding stock, to one chance in the sale of day old chicks.

In the matter of dissemination of disease there are a thousand chances of spreading disease by sale of eggs and breeding stock to one chance in the sale of newly hatched chicks. Diseased breeding stock carry their diseases with them. It is not necessary to go into details. Eggs for hatching from diseased breeding stock are a fertile source of spreading diseases broadcast. The eggs which hatch may, probably will, produce diseased chicks. If such eggs are hatched in the nest or incubator with other eggs from sound stock, the disease in the majority of cases will be found to involve the entire flock, chicks from the sound and unsound



eggs alike being infected. A dozen eggs from a hen whose ovaries contain white diarrhoea infection, placed in an incubator with 300 eggs from sound healthy uninfected stock have been proved to have resulted in the infection and loss of the entire flock hatched. And, it Does Not Stop with the eggs that hatch. The Eggs Which Do Not Hatch Are a Source Of Infection. I know of a number of cases where epidemics of fatal poultry diseases have been started through feeding infertile, but infected, eggs from the incubators to both stock birds and chickens.

How many times have you bought eggs for hatching and received eggs that you would be ashamed to offer for sale for table purposes? Misshapen, thin shelled, cull eggs that should not be sold, frequently are found in high priced sittings. A lot of them don't hatch and a lot of others hatch weaklings. That is no argument against the sale of hatching eggs and it should not work an injury to the breeder who makes it his business to see that none but good sound eggs from healthy vigorous stock are sold from his plant.

I want to say to poultry breeders everywhere, and a good many have told or written me about their troubles and the "falling off in business," that the chief general cause of depression in the poultry business is Failure To Play The Game Fair and Square.

Gross misrepresentation and exaggeration in advertising, which may not be provable but which is only too apparent, is one cause. The tendency to treat customers on the "I've got your money, what can you do about it?" plan is another factor. Faking show specimens and illustrations is another factor. There are a lot of other factors that you all know and which I need not mention here. But, The Legitimate Business Of Selling Day Old Chicks Has Nothing To Do With Business Depression In the Poultry Business.

Good times are coming. I believe it. I know a lot of men in the poultry business, in various branches of it, that I am proud to number among my personal friends. They do business in a square and honorable way and they are successful. The way to win solid success in the poultry, or any other, business is to play the game with clean hands.—Be honest with yourself and with others.

I have never felt called upon to make excuses for devoting my life work to poultry investigations and writing on poultry subjects. I am not and never have been ashamed of being a "poultry editor" and "chicken crank." I came away from the Atlantic City Convention, tired but mighty glad that I went and pleased to have added to my acquaintance men and women associated with the industry who are worthy of the greatest respect and admiration. In all of the hot air agitation, common to all such meetings, the thing that "jarred" me most was the attempt to pass that resolution against the sale of day old chicks. I hope it will arouse world wide agitation and protest, for I believe the day old chick business has come again to stay.

It is one of the most important branches of poultry husbandry. The business of hatching and selling day old chicks is one of the oldest and most honorable callings in poultry husbandry. I say it has "come again" because, though comparatively new in our own country, it has been practiced for centuries and was begun hundreds of years before the birth of Christ. We might just as well face the facts. Ignorance and prejudice won't

help us any. The day old chick business is here to stay. It has staid longer than any other particular specialty in poultry husbandry.

I have sold day old chicks but I am not now financially interested in the sale of chicks, eggs for hatching or breeding stock, and I have no axe to grind. I have in the past few years bought a good many hundreds of day old chicks. It has proved a very satisfactory way to obtain chicks. Believe me: There is no cruelty in hatching chicks from good eggs out of healthy stock, by an experienced operator who knows how to properly hatch with hens and with incubators, and there is no loss in vitality. There is no cruelty and no loss of vitality in the proper shipment of such chicks for from a few hours to seventy-two hours journey, except in cases of extreme and extraordinary abuses by the transportation companies. There is rarely any trouble with the chicks after arrival at destination except such as arises from ignorance or inability on the part of the receiver to properly care for the chicks. The man who makes a fizzle with day old chicks which he purchases, or who is cruel to the chicks, would be just as liable to show up the same faults if he had purchased breeding stock or hatching eggs. The talk about cruelty and loss of vitality is silly.

I have several times raised 100 per cent of chicks bought at a distance and shipped in the ordinary way. I have never experienced any losses in day old chicks purchased, that were any greater than those experienced with home hatched flocks, except in two cases where I purchased chicks from a man who did not know how to hatch them. Last year I successfully reared to market size many flocks of chicks purchased day old from 12 to 48 hours express journey from my home and my losses did not exceed three per cent in these flocks and in some flocks one hundred per cent were reared. The actual work was done by inexperienced young men under my direction. I did not observe any cruelty. There was no lost vitality and there was no dissemination of disease.

I intend to keep right on buying day old chicks whenever I need them. I can buy equally as good chicks as I can hatch, if I should do the work myself, and I haven't the time to bother with incubation work when I can get an expert to do the work for me for a moderate price, (actually less than it costs me at home). I consider it entirely feasible and practical to buy eggs for hatching, or produce them, and then ship them to a well conducted hatchery to be incubated and have the chicks shipped home when hatched.

Everybody cannot be successful in the day old chick business. It is a business that calls for experience, knowledge and skill. It is exceedingly painstaking work and requires a great deal of the man or woman who undertakes it. It is entirely practical and it pays. Within a day's drive of my home are two very successful hatcheries and I have yet to learn of one well grounded complaint against either of them and these plants are doing a big business. One of them I visited in June and at that time there were cash orders ahead for everything to be hatched up to limit of capacity until the middle of August. Chickens, guineas, ducks, and other fowl were being hatched at this hatchery.

The day old chick business may need some regulation, later on, to prevent persons not qualified from engaging in it, but in my opinion it will regulate itself.

The man who tries to sell chicks from stock that is out of condition, who sells chicks of low vitality, or who does not know how to run incubators or incubating hens properly, will kill his own business.

When a man tells you that he has many complaints about day old chicks and is going out of the business because the chicks die during transportation, or die in the brooders after arrival, make up your mind that the cause of his failure is this: His breeding stock are diseased or out of condition, or he does not know how to hatch properly, or he does not know how to ship properly. In other words he has not learned his trade and he is failing or getting out because he does not know his business.

This last season I hatched 51 chicks in outdoor nests. Before they were dry, and without culling the weaklings, they were packed in an ordinary live chick box with burlap cover and shipped to a friend about 300 miles away. On arrival he found three weaklings and killed them. He raised 43 good chicks from this flock and says they are the "biggest, healthiest, strongest" chicks he has this season. I could go on and name hundreds of equally good examples from my own personal experience if I could give the time and space.

I hope the American Poultry Association will let that absurd resolution stay on the table and die there and that in the future no one will endeavor to pledge the A. P. A. to a sweeping condemnation of that honorable, practical, profitable and highly desirable branch of poultry husbandry the day old chick business in the hands of skilled and efficient men and women. And bear in mind that I don't forget for one single moment in the consideration of this matter, that the battle cry for success in poultry keeping is Health, Vigor and Vitality.

Prince T. Woods, M. D.

#### Chicago Wants the Next Meeting of American Poultry Association.

It seemed to be the almost unanimous opinion of the members attending the last annual meeting of the American Poultry Association at Atlantic City, that Chicago is entitled to have the next annual meeting. Chicago hereby—through the Chicago Poultry Society and the Chicago Association of Commerce—extends to the American Poultry Association a cordial invitation to hold its next annual convention in this city, and pledges to help to make it the largest and most enthusiastic convention ever held by the American Poultry Association.

There are many reasons why Chicago should have the next meeting of the American Poultry Association, and one of the principal reasons is that Chicago has never yet had the pleasure of entertaining the members of the American Poultry Association in annual convention assembled—although Chicago is the second largest city in America and the fourth largest city in the world. Another very convincing reason that the convention should be held here is that Chicago is the most centrally located large city in the United States, with 38 main railroads pouring over a thousand passenger trains daily into her railroad stations. No change of cars when you go to Chicago—all roads lead to the beautiful city by the lake—with her many miles of boulevards and 95 public parks, squares and playgrounds; 46 theaters and music halls; eight large



amusement parks; 37 public libraries and reading rooms; 68 large hotels capable of holding over 150,000 guests; 69 hospitals, 134 educational institutions, 98 benevolent institutions, 34 public monuments and statutes, 42 cemeteries and many other features too numerous to mention.

A few of the interesting facts about Chicago include the largest hog, cattle, lumber, stove, grain markets in the world; largest railroad center in the world; largest packing-house center in the world; largest grain elevator capacity; largest retail dry goods store, largest cold storage capacity, largest stock yards, and the largest and most complete water system in the world. Chicago is 26 miles long, 15 miles wide, with a total area of 190 square miles, being the largest city in area in America, with 22 miles of lake frontage, where more people go bathing daily than any other city in America, not excepting Atlantic City. The delightful, fresh, invigorating, life-giving breezes from Lake Michigan make Chicago an ideal summer resort where hundreds of thousands of out-of-town people spend their vacations every year, enjoying the thousands of interesting and educational attractions to be found within her city gates. No long spells of hot weather in Chicago in the good old summer time—old Lake Michigan won't allow you to go crazy with the heat in Chicago.

So, come to Chicago, boys, and see a real live, up-to-date, hustling, bustling, rushing, pushing city that is the real eighth wonder of the world. Just think of it, in 1834 you could hunt wild wolves in what is now the heart of the city of Chicago and in less than eighty years it has become the fourth largest city in the world and the second largest city in America.

Chicago extends to you a cordial invitation to come and partake of her hospitality, and see a city that is really worth seeing.

#### How About It?

A distinguished foreign visitor says of Americans that we are a nation of hysterical neurasthenics and lawbreakers. That we load our statute books with laws that cannot be enforced and

do it to the tune of hysterical speech-making in our assemblies.

How about it? Of course the first feeling is one of resentment against the criticism, but isn't there a lot of truth in it? Most of our associations, all of our cities, states and even the nation, are loaded down with a superabundance of rules, ordinances and statutes until one can scarcely breathe without breaking the law. Most of our laws and rules are honored in the breach rather than in the observance. A rule that is good today may not apply to advanced conditions as found a year hence, for with all the waste of nervous energy, and because of it, we progress rapidly in this country.

One of our legal friends said to us not long ago that "what this country really needs is to burn up the statute books and throw most of the lawyers overboard where they can't swim back again." While we were attending the Atlantic City convention the striving for rules, more rules and more legislation brought these things to mind. It is easy to make rules and laws and it is not so very difficult to get them passed. It is difficult to enforce them and many times they have become obsolete through change in conditions before they become effective.

As to hysteria, we see a good deal of it sometimes in conventions, but one should not make the mistake of diagnosing as hysteria well calculated oratorical effects made by men who calculate cold-bloodedly on the results of their speeches. The real hysterical condition is that manifested by the majority of the voters when they fall for a well planned speech and vote with it even against their own personal convictions before the talk swerved them. To be able to pump hot air effectively without saying too much is a very effective asset sometimes on the floor of a convention and often it is a cold-blooded commercial calculator who has the gift. Not always, but often.

Another form of hysteria or manifestation of neurasthenia is the constant seeking of excitement of our people in places of amusement, in summer resorts and similar places, where the pace is fast and money flows freely. It is a form of restlessness that reminds one of a suddenly disturbed ant colony. At

Atlantic City we could not help wondering where the crowds came from and where they got the money to spend and what they really got out of it all except overwrought nerves and greater boredom and unrest. To watch the over-dressed, much made-up crowds restlessly turning from one thing to another in search of new sensations, the hard faces of many and the bored looks of nearly all, we did not wonder at the foreign visitor's estimate of Americans. The same conditions exist pretty much all over our country. They are only exaggerated at Atlantic City, where people come for a few days or few weeks to spend more than they can afford, frequently money which it has taken months to save against this vacation time, and then they go back again to toil, more weary, more nerve wracked and less fit to work. Why can't we get sensible and take really restful holidays? How about it?

#### Reese V. Hicks Goes to the International Company.

In response to inquiries, I wish to announce that after September 1st I will do only editorial work for Poultry Culture and devote practically my entire time as representative in the middle west of the International Incubator & Hover Co. After years carefully studying incubators and hovers have decided that the International Sanitary line is the best on the market and has a great field of usefulness. Hence my connection with this company is after mature investigation and study.

Reese V. Hicks,  
Topeka, Kan.

John W. Ward, Jr., Pennington, N. J., the well-known Cornish breeder, is now in Europe getting together the largest importation of Cornish fowls ever brought in America. The demand for this fowl is rapidly increasing and to meet this demand Mr. Ward found it necessary to import a large number of birds, and to make sure that nothing but the best would be sent he decided to go to England and make his own selections. Mr. Ward is an enthusiastic Cornish breeder and we predict nothing but success for him.



Crusader III, a Boston Winner

## REGAL FACTS

Are you a breeder of White Wyandottes, or are you thinking of taking up this splendid variety? Let me present you a few facts for your consideration:

I—Regal White Wyandottes, being bred in a northern climate, have always been noted for size, vigor and a silvery white plumage.

II—Eggs hatch phenomenally well and the big plump chicks grow like weeds.

III—Regal White Wyandottes in the past twelve years have won more prizes than any other strain. New York State Fair, Boston, Toronto and Guelph, 364 regular prizes not counting specials.

IV—At Boston, the home of the White Wyandottes, the greatest winning ever made, was made by the Regals, winning best display with a score of seventy-two points.

V—As a heavy laying strain, they can hold their own. One pen of nine females averaged last season 199½ eggs per hen and I have individual records sworn to by customers running as high as 255 eggs per year.

VI—The Regals hold a unique position. They have all the utility qualities which recommend them to a market poultryman while on top of all this they can go into the largest shows in America and win over the exclusive exhibition strains.

To quote Judge Drevenstadt, the greatest living authority on the Wyandotte: "Your birds have been bred to the Wyandotte type most consistently ever since I first handled and judged them at Toronto many years ago." They are true Wyandottes in shape and have the color to go with it. All over America, my customers are winning the blue ribbons. Why not send me a trial order and become acquainted with America's finest White Wyandottes? Send four cents in stamps for the Regal White Wyandotte Book. Catalogue and sale list free.

**John S. Martin : Box 51 : Port Dover, Canada**



## Going Some.

Now and then when we read our own American Poultry Journal, hot from the presses, we get a surprising jolt. August number was no exception. We read the following on page 1139 in J. F. Shureman's "Current News of the Poultry World," copy for which did not pass through our hands but went direct to the printer:

"Theodosia Roosevelt, so named because of her evident antagonism toward race suicide, and said to have been the oldest hen in America, died on April 27 at the home of her owner, Mrs. Elizabeth Grinnell, of Pasadena, Cal. She was 25 years old. The aged hen laid approximately 7,500 eggs during her lifetime and mothered many a brood of chicks."

We don't know who is responsible for this remarkable statement, whether it is due to error of typewriter, proof-reader, or some joker, or where Mr. Shureman obtained his information, if it really came in the shape it was printed. In any event it sure is "going some."

We have heard a good many big tales of wondrous things that happened in California, but Mrs. Grinnell's hen has them all hidden in the shade. We've heard of California pumpkins so large that when hollowed out they were used for hotels and union stations, but this ancient hen is greater than any of the seven wonders of the world. It is too bad that Baron Munchausen can not be on hand to do her memory justice, though we must admit that the types have done pretty well as it is.

Now if our paragrapher had said that the hen was five years old when she died and that she had laid a total of seven hundred and fifty eggs in that time, her record of performance would have been sufficiently remarkable to be worthy of space. But 25 years old with a record of 7,500 eggs divides up into an average of 300 eggs a year from birth. Going some, is it not? She, apparently, began laying soon after she was hatched.

We doubt if any hen ever lived much beyond eleven years old. We have personal knowledge of one Buff Cochin hen that lived to be nine years old, but she was feeble and a non-producer toward the last. After the third laying season the egg yield usually drops off rapidly to a very slim yield.

What is the State of California thinking of that she does not erect a monument to this hen at the entrance to the Golden Gate, so that other Californian hens may be encouraged to strive for "Theodosia's" record? Or perhaps this ancient hen is not considered worthy of honor because she failed to produce 365 eggs a year and an extra egg on leap years. Who has the next egg record yarn? After this we will require a sworn statement before a notary, accompanied by the affidavits of reliable witnesses who saw the eggs laid. Next!

## DR. WOODS' NOTES AND COMMENT.

Massachusetts Agricultural College and Prof. J. C. Graham, as well as the Massachusetts State Poultry Association are to be congratulated on the success of the three day poultry convention held at Amherst the last of July. It was a most interesting, instructive and helpful meeting and the attendance was a record breaker. We are glad to know that this meeting will probably become an annual event.

\* \* \*

Pennsylvania is doing good work in boosting poultry interests. The last Leg-

islature passed a bill carrying a two years' appropriation to put in the field ten trained agricultural-experts as special instructors and demonstrators along agricultural lines. In extent and scope this work is expected to differ from any heretofore attempted in this or other states. It is essentially an extension and broadening out of institute work and is directly under the supervision of Deputy Secretary of Agriculture and Director of Farmers' Institutes, Hon. A. L. Martin, of Harrisburg. It is expected to carry the institute work direct to the farm and to show the breeder by practical demonstrations as well as by talks. W. Theo.

## YOUR OPPORTUNITY

To get classy Buff Orpingtons that weigh

Cockerels up to 7 pounds, Pullets to 6 pounds

birds with clear buff wings and even surface color. Many with "Ideal exhibition color" sure to win the blue. I raised a lot of early birds just to fill the demand for early show birds. Let me supply you. My prices are low, \$10 to \$25 for cockerels, \$7.50 to \$15 for pullets, and I guarantee to please you. Let me help you to win. I have just won (August 6, 1915), one pullet and cockerel at Greater New York Show in one of the hottest classes of Buff Orpingtons in the country. The largest breeders from the East and West were there. When writing mention American Poultry Journal.

Remember  
my birds arestrain and lay  
as well as win

I. Brooks Clarke, Dept. C, Newark, N. J.

Best Chick and Hen Food  
Only 10 Cents Per Bushel

Don't put it off any longer. Now you can get a Reliance Grain Sprouter for so little money that if you only have a few chicks, it will more than pay you to order one.

Thousands of these low-priced grain sprouters are in use on the most successful poultry farms in America, on country farms, in city suburbs. The Reliance is far superior to many others—it is highly efficient in operation—never-failing in results—requires less care and attention—sprouts all kinds of grains—equal in construction to those costing almost double the price.

Write us today and learn what a really low price we place upon the

Reliance  
Grain Sprouter

The few dollars spent on a Reliance will be the means of doubling your egg money, keeping your fowl healthy, making them plump, bringing higher market prices, besides saving two-thirds your feed bill.

Don't judge the Reliance by its low price—its construction proves it worth many dollars more than we ask.

The Reliance is built along lines that make it most efficient. Double walls, heavy insulation, galvanized iron lining, galvanized trays, etc. Best lumber used throughout, front contains more glass, which brings more sprouts. Also economical heating and best ventilating system.

Get literature on the Reliance—the low prices on the various sizes, the guarantee, etc. Write today without fail. You'll save and make money by doing so.

RELiance INCUBATOR CO., Dept. 11, FREEPORT, ILL.  
Manufacturers of Incubators, Brooders, Grain Sprouters.

Produces More  
Flesh  
—  
Aids Growth  
—  
Keeps Hens  
Laying All Year  
—  
Increases  
Egg Yield  
Over 50%  
—  
Brings  
40% More  
Fertile Eggs

## PERFECTION WHITE WYANDOTTES

SUPERIOR TO OTHERS—THE ACME OF PERFECTION—Send ten cents postage for illustrated art catalogue telling how I raise my prize winners. Mention A. P. J.

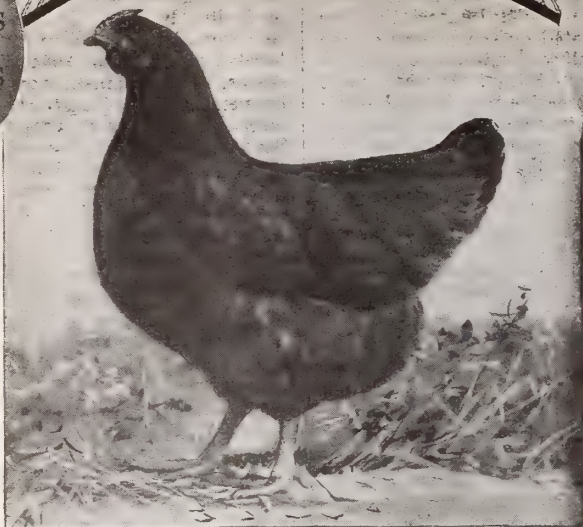
GEO. H. RUDY

ROUTE 15

MATTOON, ILLINOIS



THE  
WORLD'S  
BEST  
LAYERS



TRAP-  
NESTED  
200 EGG  
STRAIN

### THE WORLD'S BEST LAYERS

#### R. C. RHODE ISLAND REDS

Champion Pen at Missouri State Experiment Station, Record 1,042  
LADY HATTIE—256 Eggs

The record of this pen shows the remarkable laying qualities that have been incorporated into my R. C. Reds. Lady Hattie, with her record of 256 eggs, was second best layer of the entire contest. They are of the genuine Red type and are egg layers from start to finish. The infusion of some of this blood with your stock would bring gratifying results. An investigation will convince you I have the best R. C. Red layers, simply because I breed for eggs.

#### S. C. RHODE ISLAND REDS

LADY AGNES—237 Eggs

The breeders of this variety who are not getting the eggs should not feel discouraged. I am getting splendid results from my S. C. Reds, simply because my plans for my mating do not permit of inbreeding. This method of inbreeding for the sake of a few minor points is done at a sacrifice of vigor, strength and vitality. Do you expect eggs where these qualifications are dormant—dead. As a flock my S. C. Reds are the equal of my R. C. Reds. Customers are well pleased with my offerings of egg producers in this variety. I have some for you.

#### BARRED PLYMOUTH ROCKS

LADY VERA—235 Eggs—and Four of Her Sisters Laid 967 Eggs and  
Led On—Barred Rock Pens at Missouri State  
Experiment Station

This grand old breed, writes an eminent authority on poultry, will not stand the ravages of inbreeding very much longer. He cites cockerel matings, pullet matings, single matings and double matings are all that breeders discuss. They as a rule practically ignore a mating to produce more eggs. Naturally where eggs are not sought for the yield will decrease. These breeders, the authority continues, will do with the Barred Rocks the same as was done to the Light Brahmas. Years ago Light Brahmas were good layers. Very few think so today. My strain of Barred Rocks is one strain that is not going backwards in egg production. They are bred for eggs and show their laying qualities.

#### BUFF ORPINGTONS—Lady May, 219 Eggs

My Buff Orpingtons, while not quite as well perfected as my Whites, occupy the same enviable position among Buff Orpingtons as my Whites do among White Orpingtons. To you who fancy Buff Orpingtons, I wish to say that my strain is the only trapnested strain, bred year in and year out for egg production. I made such progress with this breed that I really expect my 1914 pens to be the equal of my Whites. If you desire good layers in Buff Orpingtons, you can have them if you make your requirements known to me.

#### FALL SALE OF STOCK

I can supply hens with records, also pullets, cocks and cockerels from hens with records of better than 200 eggs, including all of my champions. Trios and pens mated for best results is my specialty. Write for revised price list and catalogue. They are free.

JOHN G. POORMAN : MIDLOTHIAN FARMS & HATCHERY  
BOX 100, TINLEY PARK, ILLINOIS



Wittman, well known among poultrymen, has been appointed to the force of demonstrators as "poultryman" and any resident of Pennsylvania desiring advice or instruction in poultry matters may call upon him for free service. All applications for such service must be addressed to Director A. L. Martin Division of Farmers' Institutes, Harrisburg, Pa. Mr. Wittman has had wide experience in the various branches of poultry husbandry and as a lecturer and we have no doubt that his services will be in great demand by fanciers and utility men. We hope he will be kept so busy in this new field of work that he will soon have to have several assistants. Pennsylvania readers will please pass the news along.

\* \* \*

A. F. Rolf, a Massachusetts man, has been appointed associate professor of poultry husbandry at Oklahoma Agricultural and Mechanical College, Stillwater, Okla. Prof. Rolf served for some time as a poultry instructor at the Connecticut Agricultural College, Storrs, was later associated with the Hillside School in Massachusetts, was poultry instructor at the Mississippi Agricultural College and more recently at the Georgia Experiment Station. We wish Prof. Rolf all success in his work in Oklahoma.

\* \* \*

"Rule 17 Jr." has been adopted by the A. P. A. in convention assembled. It was a foregone conclusion that it would be. We didn't experience any "heart failure" to find the same man speaking in favor of this rule that fathered the original "Rule 17" that was killed in previous convention, although he said he expected some folks might be surprised. The rule does not become operative until after the next annual convention. It will undoubtedly come up for reconsideration in 1914 and will doubtless again give a grand opportunity for advertising magazines, artists and solicitor judges. Perhaps it may be killed, but since it is such a good advertising medium and such a famous outlet for hot air, why not make it perennial? "It pays to advertise."

\* \* \*

We had a mighty good time at the Atlantic City convention. It is true that we didn't see much of the city, but that doesn't matter. We didn't miss any of the sessions, morning, afternoon or evening, however, and we found them very entertaining. One of the pleasantest events of the meeting was making the acquaintance of the Hon. Frank E. Hering and in hearing the comments pro and con. At the close of the first day's meeting not less than a dozen members favored us with unfavorable comment concerning Mr. Hering and advanced the opinion that he had been brought to the convention to hammer Grant M. Curtis. Knowing the situation, it made us smile. As the meetings advanced the knocking members began to cover up their hammers and revise their opinions and in the closing hours of the convention a unanimous vote of thanks was moved and carried for Mr. Hering for the efficient and helpful work he had done for the association during the meetings. Human nature is always human nature and the position of the "stranger within the gates" is generally about the same.

\* \* \*

As a matter of fact, Mr. Hering's attendance at the convention was due to accident of circumstance and not to



any plan. He came over to the "Queen City by the Sea" for rest and relaxation, attended the opening meeting, became so much interested that he decided to stay for the rest of it, and stay he did, doing good work and hard work at every session until the final adjournment. The association needs him and more men like him. So far as our observation went his chief consideration appeared to be the welfare of the association and his stand was always on the side of the question which he believed to be right. He proved an eloquent and effective speaker, whose remarks carried conviction and won respect and consideration from members on both sides of the question. He didn't knock anybody and played the game fair and square. The only comment he made concerning Mr. Curtis, in our hearing, was that he "generally found him on the right side of the question as he understood it." We hope that when the convention adjourned the "anvil chorus" promptly retired to the end of the pier and dropped their hammers overboard. We hope that Mr. Hering will always take a lively interest in the American Poultry Association and that we meet him again at the 1914 convention and more good new members equally well qualified to talk from the floor of the assembly.

\* \* \*

We have heard a whole lot about the attractive women to be seen at Atlantic City on the boardwalk and on the beach. The place has been widely advertised in that respect, but we missed 'em. In spite of several trips up and down boardwalk and beach we didn't see "a peach." We did see some fearful and wonderful hats, gowns and a great variety of decorative effects in face paints. A lot of complexions looked as if laid on with the background brush of a landscape artist. Atlantic City owes something to the American Poultry Association, the best dressed, most natural and most attractive women to be found in Atlantic City convention week came there to attend the meeting. No appeals taken.

\* \* \*

A Maryland reader wants to know why it is that in the New York Zoological Gardens the sign on the enclosure containing Colored Muscovy reads: "Black Muscovy Goose, wrongly called Muscovy Duck." The sign reads that way because it is a fact and we have been wondering how long it will take our Standard tinkering committee to wake up to the fact. Properly the Muscovy is a goose. It has a period of incubation which proves it a goose and not a duck. Crossed with the Pekin duck the Muscovy produces sterile hybrids or "mules," which will not and can not breed. Still the Standard says that the Muscovy is a duck.

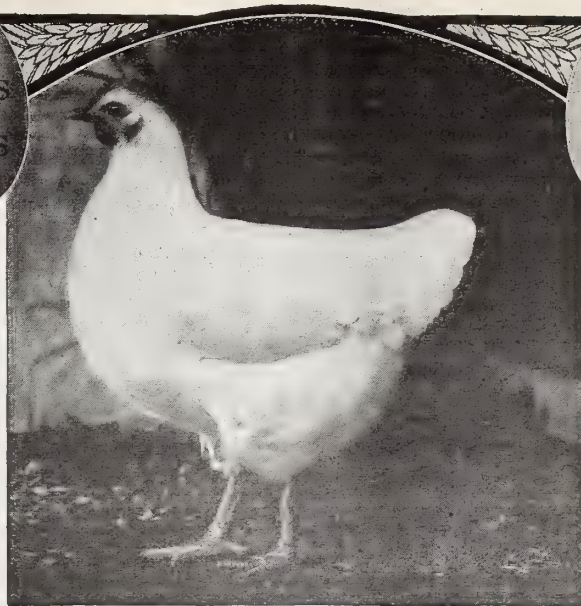
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We noted at the recent convention a good many references to hybrids when really crosses were meant. A cross-bred fowl is not necessarily a hybrid. A hybrid is properly the result of crossing different species, which results usually in sterile offspring. A cross or cross-bred is the result of crossing different breeds of the same species. Respectfully submitted to the committee for improvement and revision.

\* \* \*

While we have it in mind we have another comment on the Standard revi-

THE  
WORLD'S  
BEST  
LAYERS



TRAP-  
NESTED  
200 EGG  
STRAIN

## THE WORLD'S BEST LAYERS

### WHITE PLYMOUTH ROCKS

LADY SHOW YOU—The World's Champion Layer—281 Eggs  
at Missouri State Experiment Station

This, with many other records of over 200 eggs, is sufficient proof, who has the most profitable White Rocks. Regardless of claims there is not a White Rock breeder in the country who has bred for eggs in the manner that I have. Think of the advantages to be gained by starting with the strain that has produced the world's champion layer. Start with the best and breed as I breed and you will always have some of the best White Rocks in the world.

### WHITE WYANDOTTES

LADY ROSE—232—And Four Sisters—Was the Second Pen at Missouri State Experiment Station with a Total of 1,015 Eggs

When the facts are known this is the most remarkable record of consistent laying ever recorded. The official leg band numbers are 487, 488, 489, 490, 491 and 802. They laid respectively 215, 232, 292, 203, none and 163. No. 491 with no credit was sick three months and then died. No. 802 took her place and in the nine months laid 163. The consistent laying of the four brought up the total average of over 200 eggs per bird. Never were five birds picked as pullets sent to a contest wherein four birds laid over 200 eggs each. Those who are considering White Wyandottes should not fail to note the merits of our strain. They have been bred for egg production for nineteen years.

### WHITE ORPINGTONS

LADY GRACE—232—Champion of All Orpingtons at Mo. Exp. Station

In White Orpingtons I have the last word. With the advent of Orpingtons into this country it has been one continual struggle to produce the prize winner. I was one of the few who stayed at home and continued to breed Orpingtons along the lines that made them famous as England's greatest egg producers. I have avoided all inbreeding as a St. Paul customer will vouch for. Three years ago he invested \$600.00 in eggs and within three months had six chicks to show for the \$600. He purchased from me 600 chicks in 1911, 700 in 1912 and 400 in 1913. This determines that quality is not always a matter of price—the entire 1,700 chicks did not amount to \$600. No breeder can dispute the superior qualities of my White Orpingtons.

### WHITE LEGHORNS—Lady Beatrice, Record 240

My flock of White Leghorns, with Lady Beatrice leading, is the distinctive Winter laying kind of White Leghorns. Bred from year to year from the most promising layers has brought them to the same high state of perfection as is maintained in all of my breeds. The Leghorn is indeed a profitable layer if she can be induced to lay a share of her enormous output during the Winter months. My White Leghorns will do this. Egg farming with few Winter eggs is far from profitable. If you desire White Leghorns, breed my strain and be on the safe side.

### FALL SALE OF STOCK

I can supply hens with records, also pullets, cocks and cockerels from hens with records of better than 200 eggs, including all of my champions. Trios and pens mated for best results is my specialty. Write for revised price list and catalogue. They are free.

JOHN G. POORMAN : MIDLOTHIAN FARMS & HATCHERY  
BOX 100, TINLEY PARK, ILLINOIS





sion. The glossary definition of "rump" got by the second reading without comment, and we believe that it remains the "rear end of the back of the fowl, etc." "Rump" doesn't mean, when applied to poultry, what it does when applied to other animals. Your grandmother and mine called the rump of a fowl "the last piece over the fence" or "the pope's nose," and it was esteemed a table delicacy when roasted nice and brown. Now, maybe it is the "rear end of the back" and maybe it isn't. Suppose we had the old fashioned "rumpless" fowl to deal with, would it be the rear end of back

in that case? We may be disqualified, but we believe that the "rump" is that portion of the fowl's body which carries the main tail feathers, and which contains the oil gland and that it is absent in rumpless varieties.

\* \* \*

We don't see how a book like the Standard can be successfully and satisfactorily revised and edited from the floor of a convention. It ought to be prepared by revision committee, such as is now the case, then submitted to a competent copy editor, under the supervision of a good judge of poultry and carefully revised and edited before

presenting it to the convention. Members should have printed copies of the changes before them, at least so far as concerns the varieties in which they are competent to criticize, and then any unsatisfactory matters should be referred back to the committee for correction and improvement. The committee might hold hearings if it saw fit, but it seems to us that the present discussions from the floor of the annual convention on this subject use up a lot of valuable time that might be better employed and really do not make much progress with the revision work.

\* \* \*

The Atlantic City convention had the poorest press notices we have noted of any poultry convention of recent years. We ought to have a special publicity committee for such events, to see to it that the newspaper press gets good reports of the meeting. Put less "josh" and more dignity into the newspaper reports. Let's get some advertising in this way that will help for progress, greater interest and more members.

\* \* \*

We fully intended when new business came up to move that the association buy a suitable gavel for the use of the president. That ten-cent tack hammer is a bit "raw." Get a little more dignity and self-respect into the organization. Democratic spirit and good-fellowship is all right in its place, but remember that the public sizes up an organization a good bit by the manner in which it goes about its business as well as by what it does. It would be entirely in order for some member, skilled in wood turning, to

## PALMER'S WHITE ROCKS

We are now ready to furnish you with your Fall and Winter Show birds, about 300 high-class birds to select from. Write us what your looking for and we guarantee to please you at fair prices. When writing mention American Poultry Journal.

The Glen Poultry Farm

:

:

Fairport, N. Y.



## Keeler White Wyandottes

The perfection of poultry breeding for beauty and utility. Line bred and pedigree bred for the past twenty years. Winners at Chicago, St. Louis, Washington, D. C., New Orleans, Dallas, Tex., Los Angeles, etc. **Stock Bargains**—Summer sale of breeders at bargain prices during June, July and August. Send for special sales list describing these bargains, it's free. 500 January, February and March hatched young stock that will be ready for the Fall fairs and early Winter shows. **Show Birds**—1,500 April and May chicks for the Winter shows. Birds washed, conditioned and shipped direct to any show room without extra charge. Sixty-page art catalogue of America's finest White Wyandottes free, send for it (stamps appreciated.)

Chas. V. Keeler, R. 11, Winamac, Indiana

# Greater New York Fair

Swept Clean by the Birds of

## MAURICE F. DELANO

SUCCESSOR TO

## OWEN FARMS

20 Out of a Possible 22 FIRST PRIZES

All CHAMPIONSHIPS, CUPS and COLLECTION SPECIALS offered were awarded my

**Buff, Black and White Orpingtons, White Plymouth Rocks and White Wyandottes**

**The Best Record Ever Made at a National Show, and in Mid-Summer**

My birds will just as surely win for you as they have for me. I can strengthen that weak spot for you, or sell you a complete winning string. Write me your exact wants and let me quote you my price. I can give you winners, or highest class breeders for utility or fancy.

**Try the DELANO Way and Receive DELANO Treatment and You Will Become a Permanent DELANO Customer**

Address, Maurice F. Delano, Maurice F. Delano, Prop. 107 William St., Vineyard Haven, Mass.  
Frank H. Davey, Supt.



make the association a present of a gavel of attractive and appropriate design. Get busy. \* \* \*

In the Atlantic City papers we learned that on Wednesday the morning session of the convention adjourned early to permit everybody to attend the great clambake at Longport and that everybody went and had a great feed and most enjoyable time. That clambake didn't come off and we didn't see many members exhibiting a full-fed expression on Wednesday afternoon. The fact is that the morning session ran over beyond the noon hour, that the time between morning and afternoon sessions was taken up with committee meetings. We believe the officers must have been obliged to eat most of their meals on the run between hotels and the pier, and nobody had much time to think about any entertainment programme. The greater part of the lectures were canceled. \* \* \*

The summer poultry show on Young's Million Dollar Pier is a most attract-

ive one. The birds look unusually well for the season of the year. The manner of displaying them in large exhibition yards adds much to the interest of the show and must prove of great advertising value. It is a good show and we wish we had been able to give more time to it, but the meetings in the Greek Temple proved to be the greatest pulling attraction, with now and then a recess to enjoy the sea breezes and meet old friends and make new ones. \* \* \*

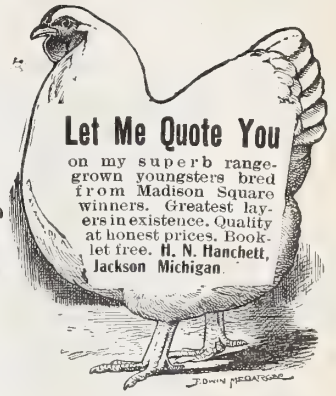
Editor Lemuel W. Standish of The Poultry Index has three breezy and amusing editorials in his August issue on the Curtis-Standish-DeGraff controversy that make interesting reading. For a man who has been "skinned alive" and had his hide nailed to the "Reliable barn door," he appears very chipper and he certainly looked happy and contented when we saw him on the other side of the convention hall at Atlantic City, though we missed him after adjournment. There is nothing like getting things out of one's system when

the spirit moves; it has a wholesome effect like that of a thunder storm on a humid August day. \* \* \*

Home again now, and it sure does look good to us.

Not yet half way to back inside cover

White Wyandottes



Blue Orpingtons

# Win With Ferris Leghorns



Special prices this month on show birds of the finest type, having low, well spread tails, long backs, good heads with smooth five point combs and white earlobes, and ideal shape and color in every section. If you could examine our young stock you would be surprised at their high quality for it is very unusual to see so many exhibition birds of finest type as we now have to offer. We raised over 10,000 this year from our exhibition and trapnested laying pens and we still have early hatched pullets and cockerels in all grades that will be just what you need, because they are



capable of winning in any competition.

**10 Per Cent Discount on All Orders Shipped This Month**—Cockerels from our exhibition matings or our trapnested laying pens, \$2 up. Cock birds, \$6.30 up. Pullets and hens, \$2.25 up. Write us for description and prices, we will be glad to explain more fully than this "ad" allows.

**All stock is shipped on approval** and if not entirely satisfactory your money is at once refunded. We also insure all stock for thirty days and replace or exchange any that die or get out of condition.

## TRAPNESTED LAYERS

Ferris Improved White Leghorns are bred for eggs as well as for exhibition. We trapnest all stock and breed from only those hens that lay more than 175 eggs a year. For more than twelve years we have been breeding to produce heavy layers and if you will send for the catalogue mentioned below, you will find that our customers are securing more eggs all the year around than they ever before secured with any other breed or strain.

### Send for This 132-Page Catalogue Today

It contains so much valuable information that no breeder of Leghorns can afford to be without it. Not only does it fully describe Ferris Leghorns, giving prices and description of all grades of stock, but it also tells you how to feed for Winter eggs, how to line-breed your stock to improve laying and exhibition qualities, and gives more than one hundred valuable pointers that we have learned by more than twelve years' experience. If you are in need of stock now or any time in the future, just write your name on a postal—We will send the catalogue absolutely free.

**Geo. B. Ferris, Ferris Leghorn Farm, 905 North Union Avenue, Grand Rapids, Michigan**



## GOLDEN AND COLUMBIAN WYANDOTTES

Until I Know Better—200 choice breeding hens and cocks at less than half value.

Old Homestead Farms, J. H. McDaniel, Prop., Warsaw, Kentucky

## The Lucky Seventh Palace Show

December 2-6, 1913, New York City

Send for Booklet.

-:- L. D. Howell, Sec'y, Mineola, N. Y.

## Healty, Happy Hens Earn Big Profits

**Don't produce Lice—Kill them.** Chicure Lice Powder will do it for you quickly and absolutely, 25c postage additional. Lookout for Roup. Chicure Roup Cure is guaranteed to cure, 25c, 50c, \$1, prepaid. Chicure Germ Destroyer absolutely prevents all germ diseases, 50c, \$1, prepaid. Chicure Preparations are guaranteed to make good, or back comes your money. Agents wanted. At Dealers or send direct.

**KING REMEDY CO., Dept. A, Rochester, N. Y.**

## ORPINGTONS OF THE SUPERB KIND

**White, Buff, and Black.** Imported and choicest of domestic stock, show birds, excellent breeding trios and pens, and young birds for sale at small prices. Catalogue Free. Correspondence solicited. Mention American Poultry Journal when writing.



## Silver-CAMPINES-Golden

We are offering a choice lot of exhibition cockerels, that show excellent barrings with correct color proportions, fine head points and elegant type, from our Cleveland winners, the price will be reasonable. When writing mention American Poultry Journal.

**GENSEMER BROTHERS**

161 Main Street

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## FOXHURST FARM Champion Black Orpingtons

Make a world's record at Madison Square Garden, winners of all five first prizes. Of 30 birds entered 22 wore ribbons. Our birds have been scientifically line bred for 9 years and have been largest winners at New York for past five. We breed our champions and are not importers. Summer prices on all stock, including our New York champion winners, are one-half, delivered at your convenience. Also early show birds at all prices after September 15th. See catalogue.

**FOXHURST FARM : LIME ROCK, CONNECTICUT**

## Rose Comb Rhode Island Reds

An extra nice lot of cockerels and pullets for sale, from our winners from New York, Boston and Providence. Good utility pullets \$1.25 each. Catalogue free,

**PAYNE BROTHERS BOX J PORTLAND, CONNECTICUT**



## FIVE ENTRIES CAMPINES FIVE FIRSTS

Gold—Silver in competition at Greater New York Fair, August 4-9, 1913. Let me supply you utility birds or winners (in Golds or Silvers) for the Fall Shows. Catalog. Mention A. P. J.

**DR. J. H. PRUDHOMME**

Desk P. : : : Thurmont, Maryland



## ONLYA FARM WHITE WYANDOTTES

Now is the time to make your arrangements for the fall and winter shows. We have a large flock of young stock, fast reaching maturity that will take some class to beat. We are not going to make our prices high on our show birds this season which will enable you to get something choice for showing and breeding. We have quite a number of show cocks and hens on hand which will enable us to supply you with anything from a single bird to an entire string. All birds sent on approval and can be returned at our expense.

**Chas. Staaff, Mgr. : Florham Park, N. J.**

## MISSOURI NATIONAL EGG-LAYING CONTEST.

**Five Hens Pass the 200-Egg Mark in Eight and One-Half Months—Two Hens Ahead of Lady Showyou's Record of Last Year—Is the Hottest Month Experienced in Many Years—The Extreme Heat Is Cutting the Egg Yield and Causing the Hens to Molt Earlier Than Usual—Some Interesting Results of the Contest and the Feeding Test.**

While five hens have passed the 200-egg mark in eight and a half months, and two of them have thus far surpassed the record of Lady Showyou for last year, the extreme heat for the entire month has been telling on the hens, causing them to molt earlier than usual and cutting the egg yield. The thermometer registered as high as 105 degrees in the contest houses at four o'clock in the afternoon of one day, a time of day when it usually begins to get cooler. In some other styles of houses it registered as high as 109 and 110 degrees. You can imagine how a hen must suffer when confined in a trap nest on a day like this, even if kept there only long enough to lay. We are surprised that they have done as well as they have. This continued extreme hot weather is unusual for this section. Hens suffer as much from hot weather in summer as from cold weather in winter.

The total number of eggs laid for the eight and one-half months amounts to 80,073 eggs. This makes an average of 118 eggs for each hen, good, bad, and indifferent. The yield for the month was 9,687 eggs. The average for each breed up to date is as follows:

	Eggs Each.
30 Langshan Hens, average.....	132
30 Minorca Hens, average.....	124
30 Ancona Hens, average.....	122
120 Leghorn Hens, average.....	119
120 Wyandotte Hens, average.....	117
60 R. I. Red Hens, average.....	111
90 Orpington Hens, average.....	110
120 Plymouth Rock Hens, average....	106

The silver cup for the best record for July was won by Mrs. Daisy Rose, of Bois D'Arc, Mo., on her pen of Anconas with 219 eggs. The R. C. White Leghorns, Pen 10, were only one egg behind them. The remarkable thing about the records for the last few months is the manner in which a pen of Black Minorca hens is laying. Half or more of the hens are about three years old, and they have gradually crawled up to fourth place. Buff Wyandottes also went to third place this month. One pen of Buff Wyandottes from Missouri is the third pen in the contest, another pen of Buff Wyandottes from Vermont contains the leading pen, and the third pen of Buff Wyandottes from Missouri contains the third highest individual in the contest. Only seven hens laid in the English pen of S. C. White Leghorns and one died, but still they made a small gain over the other pens.

The ten highest pen records for eight and a half months are as follows:

Pen No.	Eggs.
2 S. C. White Leghorns, England.....	1686
19 Silver Wyandottes, Iowa.....	1418
26 Buff Wyandottes, Missouri.....	1387
11 Black Minorcas, Iowa.....	1386
1 Anconas, Missouri.....	1385
20 White Wyandottes, Arkansas.....	1376
57 Black Langshans, Missouri.....	1369
30 Buff Wyandottes, Vermont.....	1368
9 S. C. Brown Leghorns, Missouri.....	1351
49 Black Langshans, Missouri.....	1319



The ten highest pens for July were as follows:

No.	Eggs.
1 Anconas, Missouri	210
10 R. C. White Leghorns, Missouri	209
17 Black Minorcas, New York	203
11 Black Minorcas, Iowa	196
26 Buff Wyandottes, Missouri	195
5 Black Minorcas, Missouri	182
18 S. C. Buff Leghorns, Missouri	176
9 S. C. Brown Leghorns, Missouri	171
8 S. C. White Leghorns, California	170
2 S. C. White Leghorns, England	157

The ten leading hens to August first are as follows:

Hen No.	Eggs.
860 Buff Wyandotte, Vermont	216
66 S. C. White Leghorn, England	206
600 Buff Wyandotte, Missouri	205
62 S. C. White Leghorn, England	204
61 S. C. White Leghorn, England	201
67 S. C. White Leghorn, England	190
735 Black Langshan, Missouri	190
77 Ancona, Missouri	189
72 Ancona, Missouri	188
55 R. C. White Leghorn, Missouri	188

## SHOW DATES, 1913-1914

### ALABAMA.

Nov. 3-8. Troy—J. A. Henderson, secretary; Forbes, judge.

### ARKANSAS.

Oct. 13-18. Little Rock—J. V. Johnson, secretary; Emery, judge.  
Oct. 21-Nov. 1. Hot Springs—George R. Belding, secretary.

### COLORADO.

Jan. 19-24. Denver—Fred P. Johnson, secretary.  
Jan. 20-25. Denver—W. C. Schuman, secretary; Tucker, Heimlich, judges.

### CONNECTICUT.

Nov. 18-20. Mystic—Charles H. Denison, secretary.

### ILLINOIS.

Oct. 3-11. Springfield—O. L. McCord, secretary.  
Nov. 24-29. Moline—O. F. Freeman, secretary; O. L. McCord, Thomas B. Falkner, judges.  
Nov. 24-29. Rock Island—O. F. Freeman, secretary; O. L. McCord, Thomas B. Falkner, judges.  
Nov. 26-30. Quincy—A. D. Smith, secretary.

### IOWA.

Nov. 24-29. Davenport—Harry W. Atkins, secretary; Russell, Cram, judges.  
Nov. 24-29. Independence—C. J. Friedman, secretary; Carl Dare, judge.

### LOUISIANA.

Nov. 5-12. Shreveport—Louis N. Brueggerhoff, secretary; O. L. McCord, judge.

### MICHIGAN.

Sept. 9-12. Menominee—Halsey B. Moulton, secretary; Wells, Harrison, judges.  
Sept. 30-Oct. 2. Imlay City—Frank Rathsburg, secretary.

### MINNESOTA.

Dec. 3-6. Rochester—C. A. Boyd, secretary; Whitney, judge.

### MISSOURI.

Nov. 24-29. St. Louis—James J. Long, secretary; C. S. Byers, C. A. Emry, Frank Heck, Charles H. Rhodes, T. J. Rountree, J. S. Mertins, judges.  
Nov. 25-Dec. 1. St. Louis—Henry Steinmesch, secretary; Theodore Hewes, A. fer, Charles Nixon, judges.

## \$60 PER HEN PER YEAR

SEND A POST CARD TO-DAY for The "Why and How of the Miller System." You will see that we positively guarantee each hen will net \$60 per year. Show our guarantee to your lawyer. Address: MILLER SYSTEM COMPANY, 15 7th St., Binghamton, N. Y.



FREE BOOK

## \$1 POULTRY Book FREE

To Everyone Interested in Incubators and Brooders Book tells how to make money, what to feed chicks, their care, habits, weight, color, etc. Say whether interested in 60, 120, 175, 240 or 360 egg size. I'll also send my Special Low Price Freight Prepaid, Introductory Offer on my Ideal Incubators. Write for it. I. W. MILLER CO., Box 56 Rockford, Illinois



C. Smith, C. S. Byers, Fred Harrison, E. C. Branch, Edw. Joynson, Tom Woods, V. O. Hobbs, judges.  
Nov. 25-Dec. 1. St. Louis—T. W. Orcutt, secretary; Woods, Hobbs, Falkner, Young, Russell, Byers, Tucker, Branch, Cowan, judges.

### NEW JERSEY.

Nov. 19-22. Paterson—Dr. G. Johnson, secretary.  
Dec. 4-6. Caldwell—M. S. Speiden, secretary; M. J. Stanton, J. H. Wolseif-

### NEW YORK.

Sept. 15-20. Rochester—Edgar F. Edwards, secretary.  
Oct. 21-25. Sayville, L. I.—Theodore Helm, secretary.  
Oct. 28-Nov. 1. Patchogue—C. W. Coleman, secretary; W. J. Stanton, judge.  
Nov. 10-15. Gloversville—B. W. Mosher, secretary.  
Nov. 10-15. Hempstead, L. I.—R. H. Wilcox, secretary; W. H. Card, J. H.

# PEABODY FARMS

The homes of the white feathered, trapnested, heavy laying strains of Leghorns, Orpingtons, Rocks and Wyandottes, Mammoth Pekin Ducks and Embden Geese, Holland Turkeys, Cochin Bantams and King Pigeons, Mallard Ducks and Wild Geese, English, Golden and Silver Pheasants, Guineas, Peacocks and Swans. We will sacrifice hundreds of breeders of all kinds during the next sixty days. Trios and pens. Birds of quality in any quantity. The Crystal Hatcheries, now located on the Peabody Farms will send you baby chicks at all seasons of the year. Write for information.

Peabody Farms, Poultry Dept., Hinsdale, Illinois

## EGG MAKER

## Oyster Shell \$1.00 a Ton!!

5 pounds Prescription No. 4 contains more egg making material than a ton of oyster shell. It makes your hens lay, and rushes them through the molt, 5-lbs \$1. Your money back if not satisfied. 1-lb. 25c.

Nabob Remedy Co., Box 1, Gambier, Ohio

## QUICK MOLTER

# Billing's R. I. Reds, Both Combs

I wish to say to the public that I am this season better prepared than ever to furnish winners for the coming fall and winter shows. They have the shape, color, markings and head gear that appeals to the most careful breeder. Also have good breeders at \$3.00 to \$5.00 each. Utility stock \$1.00 each. Satisfaction guaranteed. Mention American Poultry Journal.

B. M. BILLINGS, Box A, Oberlin, Ohio

# Greenan's White Wyandottes

## THE GREAT PRIZE WINNERS

At Port Huron, 1913—America's Quality Show.—Won everything in sight, 1-2 cock; 1 hen; 1 cockerel, 1911, 1912, 1913; 1 pen, 1913; best display 1912, 1913. Send for my mating list and see who has the winning kind. I have for sale 25 cockers; 100 hens, one year old, (good ones); 200 cockerels and 200 pullets. They are the finest lot of birds I ever raised. Some excellent cockerels ready to show now. Write me your wants. I guarantee satisfaction. When writing mention American Poultry Journal.

J. B. GREENAN :: DECKERVILLE, MICHIGAN

# Whiting's ROUPENE

## Actually Does Cure Roup

Even the worst cases, even Diphtheritic Roup and Canker. We don't care how bad the case is so long as the bird is not in the last gaps of death.

**ROUPENE will cure** and leave no weakening or bad after effects in the bird or its progeny.

Just try it once. Pick out a bad case, one on which you have tried other so called remedies, and **we guarantee a cure or refund money.**

Whiting's ROUPENE is a genuine disease germ destroyer. It takes right hold and cures without fuss or delay.

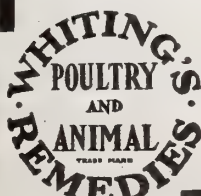
## ROUPENE Prevents Contagion. You Do Not Have To Quarantine the Diseased Birds.

ROUPENE not only cures Roup, Canker and Diphtheritic Roup, but it also cures Sorehead, Limberneck, Colds and Pip—all diseases of the breathing organs. 50 cents and \$1.00 per bottle.

All dealers, or mailed by us on receipt of price. Send for free printed matter.

## O. K. COMPANY

Dept. 29, 157 Water St., New York City, N. Y.







YAMA-NO-UCHI

—Meaning "Home in the Mountains" in these Chinese ideographs—is the name bestowed on an American-Japanese estate by a well-known Japanese statesman. To this "Home in the Mountains" we have added over a thousand acres Yama Farms—where we are specializing in farm products of exceptional quality.

### February and March Hatchings YAMA FARMS S. C. BLACK MINORCAS

**T**WO judges of Minorcas—conceded to be in the first flight of experts—visited Yama Farms last March. And in their opinion our mating of S. C. Black Minorcas, "as listed," were the finest they had ever seen.

Every breeder is particularly interested in the results of these matings—chicks of February and March hatchings that are now fully matured—excelling in all-round qualities even their famous ancestors.

We are offering a number of selected cocks and hens in new feather—magnificent birds that will shine in the keenest competition.

### WINNING STRAINS YAMA FARMS BARRED PLYMOUTH ROCKS

**Y**AMA FARMS Barred Plymouth Rocks always have been consistent winners for our many customers, as well as ourselves—wherever shown. They have been particularly distinguished for superior shape and excellence in color. We are able to offer a limited number of both old and young Barred Rocks that are unusually fine specimens of the variety, being superior even to our best offerings in the past—at unusually attractive and reasonable prices.

We invite correspondence as to full particulars of Yama Farms offerings and prices. Your money cheerfully refunded if you are not fully satisfied. Eggs and poultry served in Yama Farms Inn are supplied by Yama Farms.

**YAMA FARMS**  
Napanoch, Ulster Co., N. Y.



Japanese Entrance to Yama Farms

Wolseiffer, M. J. Stanton, Rowland Story, judges.  
Nov. 10-15. Johnstown—B. W. Mosher, secretary.  
Nov. 13-14. Cornwall—George Hole, secretary.  
Nov. 19-22. Yonkers—Rudolph Appel, secretary; Drevensdt, Davey, Ott, Stanton, Doll, judges.  
Nov. 24-29. Buffalo—J. H. Drevensdt, secretary; Charles D. Cleveland, W. B. Atherton, W. G. Minich, George H. Burgott, Wm. McNeil, L. G. Jarvis, W. C. Pierce, J. W. Andrews, W. C. Denny, A. C. Schilling, F. L. Maunder, W. C. Card, A. J. Braun, judges.  
Nov. 25-29. Albany—John D. Jaquins, secretary.  
Nov. 25-28. Peekskill—G. A. Aschenbrenner, secretary.

#### OHIO.

Nov. 24-29. Akron—C. M. Woodring, secretary; Charles McClave, judge.  
Nov. 26-30. Hamilton—J. E. Humbach, secretary; Tucker, Lanius, judges.

#### OKLAHOMA.

Sept. 10-13. Mangum—Travis E. Gooding, secretary.  
Dec. 3-6. Elk City—C. B. Garlow, secretary.

#### PENNSYLVANIA.

Sept. 9-12. Reading—D. J. McDermott, secretary.  
Sept. 30-Oct. 3. Lancaster—J. F. Selldomridge, secretary.  
Nov. 17-24. Easton—S. W. Godley, secretary.

Nov. 24-30. Pittsburgh—A. J. Henning, secretary; Wm. F. Auerswald, Chas. H. Moore, judges.  
Nov. 25-29. Mount Carmel—Thomas F. Owens, secretary.  
Nov. 25-29. Myerstown—H. P. Spannush, secretary.  
Nov. 25-28. Williamsport—McCormick Dawson, secretary; Henry P. Schwab, Richard Oke, Charles Nixon, J. C. Punderford, Herman Sonder, judges.

#### SOUTH CAROLINA.

Oct. 27-30. Camden—T. L. Little, secretary.  
Dec. 30-Jan. 2. Chester—H. S. Adams, secretary; Brown, judge.

#### TENNESSEE.

Sept. 23-27. Knoxville—Edw. W. Graham, secretary.  
Sept. 23-27. Knoxville—John E. Jennings, secretary.  
Sept. 29-Oct. 4. Nashville—John A. Murkin, secretary.  
Dec. 8-13. Chattanooga—E. C. Barnes, secretary.

#### TEXAS.

Nov. 22-29. Fort Worth—Emmett Curran, secretary; H. B. Savage, Tom H. Woods, judges.  
Nov. 25-27. Honey Grove—W. T. Bowers, secretary; D. G. Coffman, judge.  
Jan. 14-18. San Antonio—Ed. M. Steves, secretary.

#### VIRGINIA.

Nov. 19-21. Berryville—J. E. Harris, secretary.

## FLUFFY RUFFLES BARRED ROCKS

The world's champion strain continues to win wherever shown. I am in a position to furnish from this world's champion female line choice selections of stock or eggs to all those wishing the best.

WELLESLEA FARM POULTRY YARDS, C. H. WELLES, PROP., STRATFORD, CONNECTICUT

## SPECIAL SALE OF 200 Young Drakes and Ducks All Bred from Prize Winners

These birds are in excellent condition for state fairs and fall shows. Ten to one they'll win prizes wherever shown. Furthermore, they'll put new life and blood into your flock. The coming on of late hatchings makes it necessary to sell 500 of our 1,000 flock at reduced prices. Write for particulars today—at once. Note these prices:

**Drakes, \$2.00 Each : Ducks, \$3.00 Each**

**The Walnut Hill Farm, Washington, Pennsylvania**

Don't confuse this with ordinary "make-shift" roofings---we guarantee it 15 years and inside each roll furnish modern ideas for laying it artistically.

## Certain-teed Roofing

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September—the open season for shows.

\* \* \*

The A. P. A. has held its 38th annual meeting and it was a rouser. More power to the old association.

\* \* \*

The ocean got on the minds of many and they could not keep away from it, but the chickens all held to the life-lines, while a few old ducks wandered out to the deep spots.

\* \* \*

Our notes will tell you all about the men we met there and some of their doings; it was a fine, large and well-behaved crowd. President E. B. Thompson's smile and Charlie Welles's instructive swimming lessons were the features.

\* \* \*

The New York branch A. P. A. officers recently elected are President, Robert H. Essex; vice-president, B. W. Mosher; secretary, L. D. Howell, Mineola, N. Y.; executive board members for three years, D. M. Green, H. P. Schwab and C. H. Proper; for two years, Newton Cosh, George E. Underhill and I. F. Rice; for one year, Mrs. M. E. Monroe,

L. H. Bown and W. R. Curtis. This was the first mail election, and has proven a success, although some seem to think it a joke. It at least gives all an opportunity to vote if they wish, and our only regret is that more do not take advantage of this their opportunity.

\* \* \*

We have information that E. F. McAvoy, the Houdan man against whom we have heard many charges, has been arrested and is now out on \$5,000 bail, held for trial at Syracuse, N. Y., having been indicted on charge of using the mails in furtherance of a scheme to defraud. If any of our readers have been defrauded by this party will forward their papers and evidence to Mr. E. F. Boyson, Rome, N. Y., they will be placed in the hands of the prosecutor.

\* \* \*

The Poultry Association at Washington, D. C., is promising a hummer to the breeders December 23d to 27th. This national show should prove a big success and here's hoping the breeders will make it so.

\* \* \*

Buff Rock John W. Poley writes that he is back at his old stand at Royers-

ford, Pa., again and that the Buffs are richer than ever and larger in size and numbers. He is making special prices on breeders and early show birds.

\* \* \*

"Licene," to kill and prevent lice, has given us the best of satisfaction, and we gladly recommend its use; it is simple and thorough. The Licene Co., Pontiac Building, Chicago, Ill., will furnish information.

\* \* \*

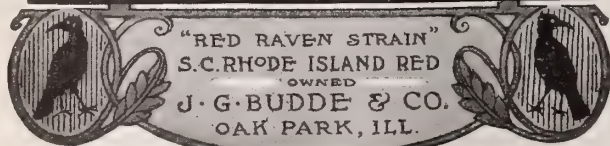
The national egg laying contest in charge of T. E. Quisenberry, has interested us for some time with the results most gratifying in this work as well as in general poultry lines and in A. P. A. matters as well, Mr. Quisenberry has proven himself efficient and capable.

\* \* \*

If, as reported, there were 1,700,000,000 dozens or 20,400,000,000 eggs laid in this country in 1912, and they were laid end to end, they would form a line encircling the entire earth nearly five times. Some eggs.

\* \* \*

The report of the meeting of the A. P. A. revision committee at Indianapolis is a clean-cut statement that shows that



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Our book on Reds tells you **How to Mate and Exhibit Reds.** Sent on application.

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efforts along sane lines are being made to revise the Standard. The question of illustrations should receive special care and but the one form be used for each breed if all varieties are again to be shown.

\* \* \*

Further, the A. P. A. should allow the specialty clubs, under proper conditions, the use of the adopted illustrations to show proper shape. This would eliminate much of the difference of opinion of correct form.

\* \* \*

The Barred Rock Club revision committee met in New York August 7th and agreed on a future Standard for the variety, but three changes in the text were made referring to color and barring and but one in affecting shape. The meeting was a large one, attended by E. B. Thompson, Victor Bradley, C. H. Welles, H. D. Riley, L. H. Reade, Haldie Nicholson, A. C. Smith, Val Thompson, J. D. Harcombe, C. H. Latham and H. P. Schwab.

\* \* \*

The A. P. A. revision committee accepted all suggestions made, which was pleasing to note, and we extend to them and the general meeting for the hearing extended and their prompt action. Personally, we feel proper action was taken and that further improvement along sound and safe lines are assured.

\* \* \*

The A. P. A. committees worked long and faithfully and completed their work with dispatch. Much credit is due them. Their efforts for better poultry and harmony in particular prevailed.

\* \* \*

With misunderstanding on the part of the voters rule 17 was declared to have passed the convention. We wonder who is troubled and who was handed the "gold brick." Time will tell.

\* \* \*

Hot air and positive ignorance of this and other questions were the basis of the "boy orator's" debut in this poultry convention, but he will ripen with age and experience (probably?).

\* \* \*

Mr. Grant M. Curtis as usual was heard and to advantage when on two occasions he was forced to show his hand. He did so gallantly, each time having a royal flush, and won the pot easily. More than ever we admire this man. He stands for something with his great experience and principle.

\* \* \*

In our next we will mention the exhibit of poultry seen here and give further sidelights of the convention.

\* \* \*

The meeting was the largest ever held by the association with over 500 members present, and ideal weather. The famous board walk, wheel chairs, bathing and sideshows were fully enjoyed, and at all times the convention was well attended.

\* \* \*

President Hicks in his retiring speech endeared himself to every member and regrets were heard on all sides. His service and work for the association were great and of untold value, and every poultry keeper the country over has been benefited by his work. We hope he may ever be prominently connected with the councils of the association, for we need him.

\* \* \*

The committee in charge of the convention and the N. J. branch officers and

members did all and more than they promised to do. Wolsieffer, Cleveland, Punderford, Lewis and others were ever on the wake and had perfect arrangements.

\* \* \*

It was indeed a royal welcome given

to President E. B. Thompson on assuming the chair. He entered office with the best wishes of all and their promises of hearty support. With Thompson and universal harmony we enter a new year with every hope for the great industry represented.



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A. J. Fell, Box J, West Point, Pa.



## RED SUSSEX IN AMERICA.

By A. A. Carver.

THERE IS NO question now but that the Sussex fowl is to come into prominence in America, and unless all signs fail is about to experience a greater and more lasting boom than the Campines.

The Red Sussex are proving to be the most popular of all the Sussex, combining so well the fancy and utility fowl that their popularity is now sweeping English fanciers off their feet and the demand for good ideal colored birds in this variety is enormous.

The Sussex breed of chickens originated in the county of Sussex, Eng-

ly, and the classes are more uniform in shape and size, while the breed has lost none of its beauty, nor yet the essentials in a Sussex fowl—a long breast bone.

"At the Crystal Palace Show, London, Eng., the Sussex made a grand showing and full classification, with the Red Sussex predominating."

Furthermore with regard to the Sussex, Mr. Watson states that he traveled up and down the country from one show to another last season, and found the Sussex was growing more popular and it would only require a few years to see the Sussex breed the premier one in England, the Rhode Island Reds included.

Mr. E. W. Bunney, the noted English poultryman, has this to say of the

tile that come from the same county in England.

The standard weight (English Standard) for cock, 9 lbs. and up; hen, 7 lbs. and up, but I think when the breed is admitted to our Standard the weight should be lowered to 8½ and 6½ respectively, as the English seem to have a way of growing larger bone than we do in this country.

There are now well represented Sussex Clubs in England, Ireland, Scotland, Germany and America. The English Sussex Year Book comprises nearly a hundred pages, with a long list of members. In Australia the Sussex are making great headway and the boom is now on in that country.

Mr. Frank L. Platt, associate editor Reliable Poultry Journal, and one of



CARVER'S TOWN, THE HOME OF CARVER'S FAMOUS REDS, SEVILLE, OHIO

land, noted as the greatest poultry center in the world. As bred in Sussex, there are four varieties, the Red, Speckled, Light and Brown. At the Sussex County Show last year Mr. Clem Watson, English poultry judge, says this for the Sussex: "All who are interested in this breed must admit that the Sussex fowl has come to the front in no uncertain manner, and while the exhibition points have been strengthened the utility features of the fowl have not been forgotten, with the result that we have today a handsome fowl for the show bench, and a grand bird for table purposes. It is very gratifying to find the Red Sussex making such headway, and bid fair to eclipse the others in point of popularity."

"The color has improved wonderful-

Sussex through the Year Book: "The Sussex is without a doubt the finest table bird that could possibly be reared. It is also one of the very best layers." Mr. Bunney has kept nearly every breed that could be kept. He had tested the Sussex with them, and he was bound to confess that there was no bird that could compete with the Sussex as a winter layer. There was so much said about the Orpingtons and other breeds, but he had found no bird to touch the Sussex for laying and quick growing.

The Red Sussex is a very large bird, very showy and beautiful, with a type all its own, and distinguished in every way from Rhode Island Reds, its color being even more beautiful, of the same shade as the beautiful Red Sussex cat-

America's foremost poultry journalists, says: "The breeder who takes up the Sussex fowl is buying on a rising market."

The writer recently imported from England the finest Red Sussex obtainable, and now has a fine flock of youngsters coming on showing the rich dark color. Our Red Farm No. 2 will be devoted exclusively to Red Sussex under the management of M. M. Gensemer, an authority on the breed and member of the Sussex Club of England. We were very fortunate in securing Mr. Gensemer for our Red Sussex farm, since he has made a very extensive study of the breed, and is a fancier of high ideals. The Red Sussex farm is in good hands, and with the beginning of the egg season we



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We are offering for sale hundreds of breeders and show birds at mid-summer prices. Prize winners at Chicago, New York and St. Louis are being offered at reduced prices. We can supply you in pullets and cockerels in almost any numbers, as we raised 3,000. Remember we can fit you up with a show string to win at any Fall fair. Our Special Buying Proposition Is Offered to You—It is our ambition to place 3,000 birds in the hands of honest people. Order whatever you are wanting, make a small deposit and the balance can be settled in monthly payments. Our mating and Summer price lists are free. Send five red stamps for our big catalogue. Mention American Poultry Journal when writing.

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THE "CHASE"



## 'Course You Are Going to Show

Then you want winners. You want the White and Stay-White kind. The kind of  
**WHITE WYANDOTTES**

Duston has. The kind you can win with and breed winners from. Note this copy of telegram rec'd from a customer who has been breeding and buying from me for four years: "Texas. You won 1st and 2d cock, 1st, 2d and 3d hen, 1st and 2d cockerel, 1st, 2d, 3d and 4th pullet, 1st and 2d pen, 3d best solid colored pen." My stock is all naturally white and I'll not knowingly send you a bird at any price that is not a White and Stay-White bird. I sold a cockerel for \$25.00 to a breeder in Indiana who won with him. I have sold him for years. This bird as a cock was sold to a prominent judge and breeder of White Wyandottes for \$100. He wanted this bird show. Only stock with breeding and correct color turn out this way. I could fill pages with unsolicited testimonials, but the above substantiates claims that I have the stock and naturally white, and should tell you where to go for your show birds, you just cannot afford to overlook writing me for quotations—The original White Wyandotte man.

Arthur G. Duston, Box 1020, So. Framingham, Massachusetts



shall be able to furnish eggs from matings the equal of anything in England.

The Red Sussex farm is located at Creston, O., two miles from our Red Farm No. 1.

Our Red Farm No. 1 at Seville, O., will always be devoted to our great strain of Rhode Island Reds, and I can say that our Reds this season are the finest in color we have ever produced at Carver's Red Farm. Last year we had without question far and away the best Reds we ever bred, and we can see in this season's matings that the average quality is far better—I might say doubly better. We had a better grade of birds to select from in mating up our Rhode Island Reds, besides holding back the very best from last season, so that our youngsters now coming on are par excellence; especially in color. We have shown through our customers who have won in 25 states the past season that there is no better flock of Rhode Island Reds in America. A. A. Carver.

### COLUMBIAN PLYMOUTH ROCKS AS ROASTERS.

By F. M. Clemans, Mechanicsburg, Ohio.

THE PRODUCERS of soft roasters for the eastern markets have long known the great value of the Plymouth Rock-Light Brahma cross. This cross seems to produce just the dressed carcass called for by the most discriminating buyers of roasters. The best buyers want a creamy yellow skin covering delicious white fat, not a pronounced yellow skin covering yellow fat, as many suppose. Then the buyers at American markets like yellow shanks and feet. Now the fowl that will produce weight and attractive carcass in the shortest time and at the least cost is the fowl the market producer of dressed roasters must select if he expects success. There is no doubting the fact that the Plymouth Rock is the best pure breed for this purpose. Mr. Hyslop of Ohio, who has had eight years' experience sending roasters to the New York market, says:

"As a matter of business I have had to decide in favor of the Rock, for I buy and fatten all kinds (except Leghorns and the light breeds) and I find that about all the writers on the subject of soft roasters, whose writings I have read, are of the same opinion. First in its favor is its large size, often dressing 8 to 9 pounds at 9 to 10 months old. I had one that dressed 9¼ pounds. Second is its creamy yellow color and third the ease and rapidity with which it puts on weight."

Of all the Plymouth Rock varieties the Columbian Rock possesses the blood lines that make it the ideal roaster. At the time I made my original crosses this fact influenced me very much, and I have watched with interest the development of the breed in a practical way,

feeling that it must settle the problem of a breed par excellence for the maker of roasters for the best markets. The original blood embraced crosses of Barred and White Rocks with Light Brahmas. No better blood could have been selected to produce roasters of the ideal type.

In its present type (I speak of the real, big-boned, husky type of Columbian Rocks, not the spurious Wyandotte "sport" type), it is just what a practical roaster man would ask for in describing his ideal breed for this purpose. First of all, he wants quick growth and a good big frame on which to hang the fat he expects to market at 25 cents per pound. I recently brought in from the farm twenty average Columbian Rock cockerels, all

fowl to fill the bill. The ideal roaster must be a hearty fellow, taking his food joyfully and putting it to the best of use. I will further quote Mr. Hyslop on this point:

"But how about that 9¼-lb. Rock? Right here, put this in your hat: You can not grow them too large for the market. We always have enough medium-sized and small ones to suit all families, if not all pocket-books.

"At feeding time this Rock, like all of his brothers, has his head out of the coop as soon as he sees the food coming, grabs it off of your shovel before you can put it into the trough and proceeds to fill his crop. The other kinds are trying to figure out what all the excitement is about. Then they eat the leftovers while he sits down



RED SUSSEX AT HOME, COUNTY SUSSEX, ENGLAND

around seven months of age, which weighed 184 lbs., and were still well able to add largely to that weight. They would have made grand roasters, but were reserved for a better fate. The fact is that Columbian Rocks have never yet been produced in enough quantity to impress their great worth upon the market poultryman. It is only a question of turning out the numbers that the breed may become common enough to get more largely into dressed poultry channels, when it must be given pre-eminence in that particular. In addition to the size, beauty of dressed carcass and correct color of skin and fat, it has a plumage that dresses out beautifully, being free from the obnoxious dark pin feathers that are often a nuisance in dressing darker breeds. Then when it comes to quick growth and early maturity it, like all the Plymouth Rock race, is just the

and digests the first choice. Of course he puts on fat and puts it on fast, and it is white fat too.

"Now let us follow him to market. A customer comes in and is attracted by his tremendous size. She thinks it is a turkey at first, but the bright yellow feet and beak assure her that it is a chicken. She has noticed the white fat and is sure it is tender, and then, with her finger, she touches its soft velvety skin and knows it is a healthy carcass, and without any further question in her mind, decides."

The man who is in the practical line of producing dressed poultry need not resort to crossing to produce roasters that will meet the views of discriminating buyers. He can take the Columbian Plymouth Rock and have a pure breed meeting every requirement of the case.



### Unity POULTRY FEEDER OATS SPROUTER

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Unity Oats and Grain Sprouter specially constructed to induce extra rapid growth. Provides perpetual green chick feed. No lamp, no smoke, perfectly safe. Try parcel post \$4.50. Feeder and sprouter together by parcel post \$6. Guaranteed. Order now, or send for folders. Agents wanted.

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## There Is More Parks' Strain Bred-to-Lay Barred Rock.. Males

Used for improving the laying qualities of the flocks of this breed the world over more than all other strains combined. BECAUSE they make good, and are the oldest and greatest laying strain of today. Having been bred for eggs continuously since 1889, and a male whose dams, grand dams and great grand dams for generations on both sides has had individual records of better than 200 eggs in a year will undoubtedly stamp an improvement in the offspring of that flock of yours. We are the past few years supplying male birds for just this purpose to a surprisingly large number of the leading exhibition breeders of today. Our recent winnings show that in addition to heavy layers we have kept close enough to the standard to win in ordinary competition. If you aren't breeding the Barred Rocks your future is unsettled for they are the breeds that outlive the boom breeds. It's pretty much as Mr. W. R. Hayne, of Timire, New Zealand, puts it to us in his letter and, order received August 14th: "It's quite a relief to buy of a breeder instead of a boomer, and from a breeder whose argument is backed by years of success." COCKEREL CIRCULAR FREE—Specially mated pens for foundation stock. Large 36-page catalogue free.

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# Notes from the Southwest

Conducted by H. H. Stoddard, Riviera, Texas



## PRIORITY POINTS IN THE INTEREST OF HISTORY.

**C**LAIMING AS I DO that from shell to block, the rule, green stuff, and foods of extreme or opposite characters (proteinous and carbonaceous) always before the fowls, each sort unmixed with others, will win out in a series of well ordered trials at stations and will be confirmed in private practice all over the globe; the origin of the rule should be mentioned now, before more water flows under the bridge and disputes regarding priority arise. The first declaration of record concerning the principle was made by Dr. Prince T. Woods in an article, "Fowls and Food," published in 1903, and later in his book, "How to Raise Chicks" (1912).

I am sorry that the doctor did not elaborate the idea and devote several pages to treating it exhaustively. But anyhow, A. P. J. has advocated it since with a thoroughness partially proportioned to its importance, and Prof. Quisenberry of the Missouri Agricultural staff is now pioneering in station work exploiting it. When, a century or several centuries hence, the historian of poultry culture in America seeks the author and the date of the original printed advocacy of giving all the unmixed and diverse foods that fowls will eat, he will not be at a loss for the information.

While on this matter of facts and dates of poultry history, in view of the borrowing, without credit, on the part of more than one poultry editor, and posing as originator of the convergent yard idea, the date of the invention in its first form will now be stated.

In July, 1873, the editor of a poultry paper was greatly in favor of having small breeding yards merely knee high, or thereabouts, and covered over, the tops to be hinged and these yards to be side by side, to save material. Naturally the idea arose to have the occupants report to one building for shelter, and ye editor scribbled for R. T. Sperry, then the only poultry artist in this country, a rough sketch, with intent to merely have for variety's sake a building a little different from any previously published; and, since the building was somewhat costly, it was desirable to have it answer for as much as possible of the ground nearby, hence the spreading of the yards fan shape. Following is an editorial, verbatim, describing the wood cut, both appearing in *The Poultry World*, August, 1873, page 103:

### "Fowl-house for Many Breeds."

"It is ground room that counts in yards, and not height of the fences. So long as there is room for fowls to stand upright, and for a tall rooster to flap his wings and crow with neck stretched to its utmost extent, a yard with fence

three feet high is as commodious as one with fifteen (see illustration).

"This is what may be called the 'radiation' plan, the outside runs being fan-shaped, or widest at the part farthest from the building, to admit of their being grouped around it for a common centre. In order to economize room, there are runs on the north as well as the south sides, and, though all will not answer well for use at all seasons, still the keeper can, by selecting according to circumstances, have some sunny runs for spring and fall, and others cool and shady for summer. Partitions between adjoining runs must be boarded, of course, to prevent neighboring cocks from fighting, and wire for the tops will be found about as cheap as lath, and it will obstruct the sun much less. It is indispensable that a number of openings be made in the partitions between the runs, for circulation of air in sultry weather, as otherwise such yards as these would be at times insufferably close and stifling. These openings should be protected by wire netting of about one-inch mesh. To admit of cleaning the yards, and supplying fresh soil, the wire tops of the yards should be made movable. Wire can be procured in the coil, and stretched across, instead of the more costly wire netting, as the openings may be very coarse, without danger of the fowls escaping."

Later a correspondent (*Poultry*



Ringlet—First Prize Cockerel and Champion Male at Madison Square Garden, N. Y., 1910-11 and Grand Sire of My Champion First Prize Cockerel of 1913.

## E. B. Thompson's Imperial Ringlet Barred Plymouth Rocks

**EARLY WINNING SHOW BIRDS**  
HATCHED IN JANUARY, FEBRUARY AND MARCH OF THIS YEAR

I now offer the finest early hatched exhibition Barred Plymouth Rock cockerels and pullets that I have ever produced. They show elegant size and shape, fine heads and deep narrow sharp clean cut "Ringlet" barring—they are my richest New York first prize blood of 1913.

### These Birds Are Ready to Win at the Fairs and Early Shows

The demand for early show birds will be enormous this year and I strongly urge you to place your order as soon as you can. I will hold birds ordered and ship when wanted—the prices will be very reasonable.

**I Offer Early Hatched Breeders Also. See My Ad of Bargain Sale of Yearling Birds on Page 1212.**

Richly illustrated 70-page catalog mailed upon request, it is full of illustrations of New York winners from life.

SEE MY OTHER  
ADVERTISEMENTS

Address,

*E. B. Thompson*

Lock Box 510, Amenia, New York



World, January, 1877, page 8) wrote asking for method of arranging yards for eight flocks, and by way of reply editor of Poultry World had ground plan and elevation made, and replied editorially, question and answer being as follows:

"H. H. Stoddard, Sir: I wish to know whether I can divide two acres of land into equal parts, and keep fifty fowls in each part? If that number is greater than is practicable, what would be the greatest number that in your judgment could be kept in that space? Also, could I keep them all under one roof, the building being in the center, or would it be better to build four separate houses, each house answering for two runs?" S. C. Pratt.

"Buffalo, N. Y."  
 "(Reply)—Our correspondent is referred to the accompanying ground plan of an octagonal poultry house for an answer. A quarter of an acre of ground will do very well for fifty fowls,

number. It is figured out, you know how. Two parents, four grandparents, eight great-grandparents, and so on. In humans, by the time you get back a dozen generations, which means only four hundred years, the crowd of your forefathers, every mother's son with your blood in his veins, would make quite an army, and in some thousands of years the requisite number of your grandads would equal more men than all England ever did or ever will hold at one time. The human race has most assuredly been on earth a long while; and go farther back, your ancestry would fill all Europe and all the old world. Still farther back and every rod of dry land on this globe packed with human beings, standing shoulder to shoulder, would not hold those of your ancestors living at any given day. This is what the ratio of "two parents, four grandparents and eight great-grandparents," with which we set out, leads to. Figures don't lie and yet we

ized there, and it was commented upon that the residents all had a family resemblance, just as Jews have, and for the same reason.

Now to go back to the Alfred the Great proposition. During the centuries since the reign of the good king,

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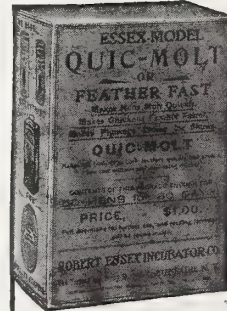
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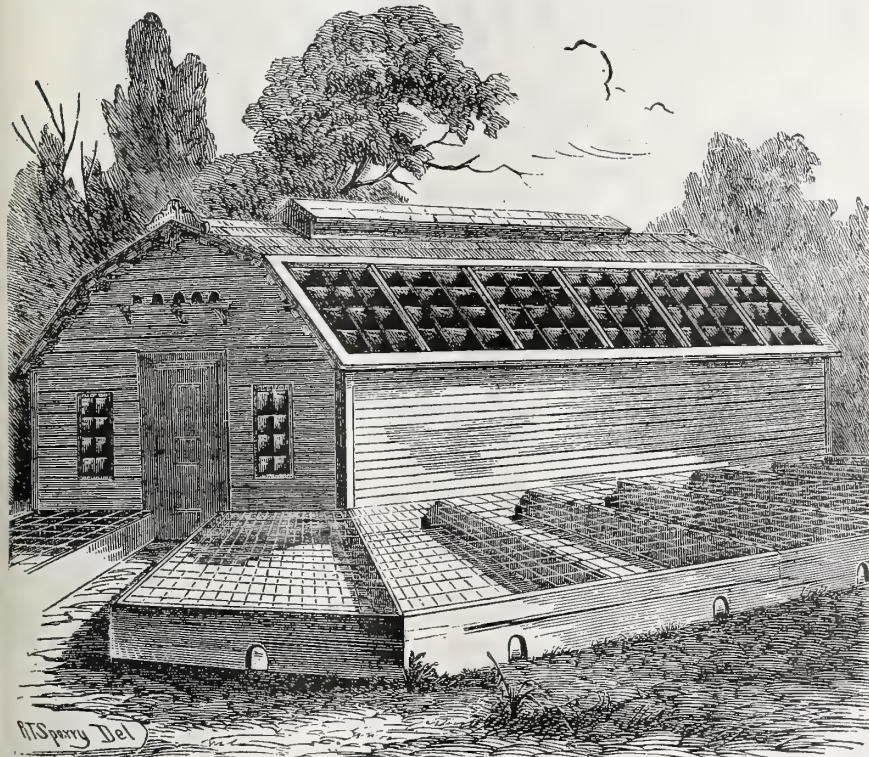
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Fowl house of many breeds. Reproduction of wood cut of 1873. First illustration of convergent yard idea. See Notes from the Southwest in this issue.

though a flock of thirty to each one-eighth of an acre would be better."

Yards on the radiant, or divergent and convergent plan, have been built since the seventies, but not to any extent simply because the idea of labor saving in poultry operations was not ripe for more than forty years.

Between 1873 and 1877 there were two or three illustrations and descriptions of convergent yards published, one in England by Wright included, but the original was the 1873 case as above related.

\* \* \*

A correspondent asks how I make out (August issue) that every Englishman is descended from the family of Alfred the Great.

This way: Every living thing has an immense number of ancestors. Even so slow breeding an animal as the elephant, considering his enormous prehistoric period, has very great grandfathers as the sands of the shore for

have run into an impossibility (?).

My readers who have worked in this field have found the solution, which is, that many times an ancestor served a double purpose. Your great, great-grandfather on your mother's side may have been at the same time your great, great-grandfather on your father's side, without any intermarrying having been done close enough to be objectionable. Really the fact that this ancestor was doubly your great, great-grandfather would not probably ever have been known unless by some prying amateur genealogist. In hundreds of combinations people receive from families of their own country the same blood strains over and over again, even though none but very distant relations intermarry. Two hundred years ago, when there was little roving about, the inhabitants of a particularly desirable valley, or other limited fertile district, partook of each other's blood so much that a sort of subrace became local-



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the necessity just mentioned of intermarrying near home in order to have ancestors enough to go round, combined with the certainty (mentioned in August issue) that a marriage of parties widely distant from each other brings to the lineage a relationship of all the families of both parties—these two practices, outcrossing and mild breeding in line, combine to secure ancestors enough.

The chump reader, who is always around, will ask what the heredity of the English people has to do with poultry. Well, I am glad a correspondent started my pen along this line, for I find so many times, in farm papers and speeches, that poultry breeders are credited with a lot that is not their due. They have never made a new real race of fowls or even modified very much, in any important quality, any old race. Long ages made Leghorns, Polish, Games or any other real

race, just as was made a modern descendant of Alfred the Great, and for centuries just the same outcrossing and moderate inbreeding took place in both cases.

When we turn to the wonderful uniformity in a wild species of birds, which is such that even where the plumage markings are exceedingly complicated one specimen is an exact duplicate of the pattern of another, and in form, every delicate curve in each is repeated in the other as closely as the curves in sister ships; the method by which nature secures uniformity in her wild species is essentially the same that is exhibited in the marking of races of birds that have been domesticated. First, an immense number of crosses, and with them variations, some favorable, some not. Favorable variations as regards number of livable progeny prevail by mathematic law over the older type and over new variations that

are not improvements, and the constant outcrossing erases the inferior types and leaves all the members of the group almost as like each other as coins fresh from the mint.

\* \* \*

New traits, habits and peculiarities of body, also of mind, appear, some of which are capable of being inherited and others not. To this last class belong mutilations. Cutting off a quadded's foot never causes progeny to be born with but three feet, and this fact has been made much of by those who insist that characters acquired by the body can not be inherited, that only the generative system is the seat of heredity powers.

But the three footed condition was not acquired, it was thrust upon the victim. You may acquire a week's wages. If somebody to hide guilt drops a stolen pocketbook or watch into your pocket, you did not acquire

# E. B. Thompson's Imperial Ringlet Barred Plymouth Rocks BARGAIN SALE FOR 1913



First Prize Cockerel and Champion Male and First Prize Pullet and Champion Female at Madison Square Garden, New York, 1913

Is the event in the Barred Plymouth Rocks; this sale stands out with a prominence that is clearly defined.

My special sale list is now ready for mailing and I offer the largest and finest assortment of Barred Rocks in all America at the most decisive price reductions and most emphatic bargains ever recorded.

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And goes beyond anything ever before attempted in thoroughbred poultry. It is unprecedented. The resources of my "Ringlet" farm are unlimited and you can now secure Madison Square Garden, New York, winners and sons, brothers, sisters and daughters of New York winners, and birds of this richest New York prize winning blood at the decided bargain prices. Birds bought now at the prices in my special sale list will pay you splendid dividends.

## In This Special Sale List

Are listed the finest show birds, the finest breeders in single birds, pairs, trios and pens that I have ever offered in all my thirty-three years' career as a Barred Rock breeder, and at the rarest bargain prices. There are lots to meet the needs of all—the beginner who must begin right, the old breeder who will improve his stock, and the show man who wants to win in the strongest competition in the world. You will have the solid satisfaction of selection from the largest and richest New York prize winning stock and blood lines in America today—the selections are unbounded.

## The Imperial "Ringlets"

Are the proud product of more than a quarter of a century of Barred Rock breeding—they have the most fashionable barring and even blue color of the present day, they sell when no others will by reason of their matchless quality—no other strain holds so imperial a place in popular favor—their name leads all the rest. To meet success in winning prizes you must have my birds.

(See my ad on back cover page for the wonderful record of my "Ringlets" at last Winter's Madison Square Garden 1913 Show. This achievement takes rank in history as the most wonderful ever recorded since the New York show was founded.)

It will be to your interest to have this special sale list and take advantage of this opportunity to secure "Ringlets" at the cut down bargain prices. It is sound business judgment to buy what you want when offered for dollars less than it is worth, it is justice to yourself and economy. Whatever may be your wants in Barred Plymouth Rocks you will find it in my special sale list at bargain figures. The list will be mailed promptly upon request.

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those things. They were thrust upon you.

It is assuredly within the power of man to change, divert and subvert, not only the habit, but the color, form, dimensions and all else, physical and mental, in the formation of either fowls, birds, pigeons, dogs, rabbits, sheep, horses, cattle, swine, fish, etc. This thing is certainly everywhere. And be this physical or mental trait or characteristic created by crossing makes no difference.

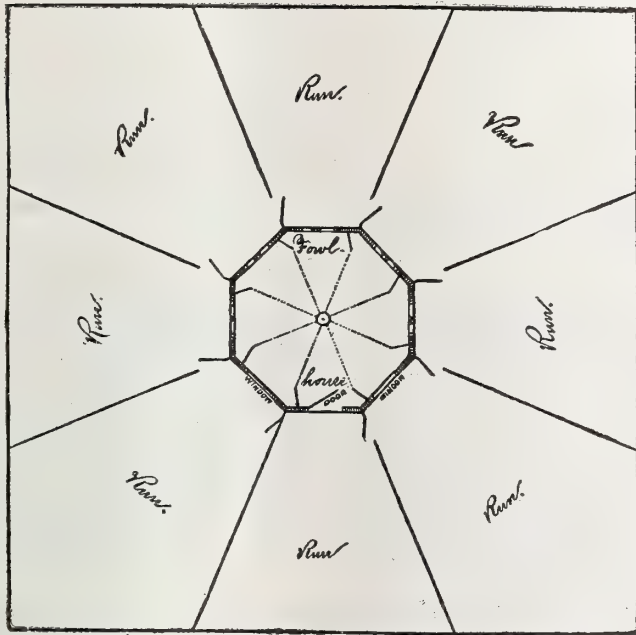
Man has changed, and made over, and brought back again, in form, size, color of plumage, and other natural or artificially created characteristics, say pigeons for example, in such diverse ways and shapes that their original parentage is unsuspected by either their possessors or progenitors, indeed!

It is beyond question a fact that the habits of the antelopes upon our western American plains, the tigers in the Eastern jungles, the whales in distant seas even, have been greatly changed by man; and not only the domestic,

spermatozoon must bear their parts before there can be heredity, but they do not directly receive the original impression of danger. The two microscopic specks with which every creature of sexual kind begins its individual life, transmit new qualities, as well as old, but it could not have had them to transmit had they not been experienced first by body, nerve and brain.

In the formal speech of the retiring chairman of the animal section of the American Breeders' Association, last winter, these words occur:

"The fundamental basis of all inheritance is to be found in the germinal constitution of the individual rather than in the body or soma. Those qualities alone are inherited which are innate in the germ cells, the ova and the spermatozoon. \* \* \* Genetics has demonstrated that the breeders may cast aside, for once and all, that mass of tradition and superstition which assumes that influences specifically affecting the body will specially modify



Ground plan for house for eight breeds, with convergent yards, published in 1877. See Notes from the Southwest in this issue.

but the shyest of the wild tribes of animals feel his influence. And it can not be assumed in this enlightened day that all tribes and species of animals or plants act and react upon other tribes with which they come in contact, without modification taking place, and this is particularly true with such of these as come under or within the influence of man.

Why raise the question: Can somatic (bodily) characters be inherited if recently acquired, when even mental habits can be? Wild animals on islands uninhabited by man are not afraid when people land on their shores. Birds alight on people's shoulders and drink from a pitcher in a man's hand. When they have learned men are to be feared, their young inherit that fear and flee from the first man they see without having been taught by their parents. Fear was simply born in them. The original experience of man as a danger menace to bird life was impressed on the physical (somatic) muscle nerve, and brain, not at first on the generative elements of the bird. True, ova and

subsequent generations."

Huxley and others pointed out long ago that physical, mental and moral constitutions pass from one generation to the next in and by two tiny specks of matter. But these minute bodies are no more "fundamental basis" of all inheritance than the body is.

Most certainly influences specifically affecting the body especially modify subsequent generations.

The body or "soma" has power to influence "the germ cells, the ova and the spermatozoon" and these last may transmit results. Environments modify races. Why are Caucasians, Hottentots and Esquimaux unlike? Answer—Special environments for ages. But a period of centuries instead of ages is sometimes sufficient for environment to show its power. The denizens of London slums became so undersized that the stature limit for eligibility to enlistment in the British army had to be reduced. The gutter toughs were wanted because good fighters and just the thing for "food for powder." It has been urged that the degeneration

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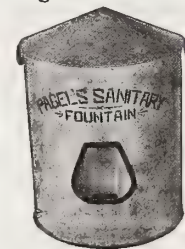
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When the time comes to provide water for your fowls in zero weather, you cannot afford to take chances on the average water receptacle, that will freeze up just at the critical time.

You want the best, most satisfactory, most reliable drinking fountain you can get. Perfectly

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is superficial because good habits, food and dwellings and general sanitation can restore the original stature and weight to a generation descended from slum dwellers in a large city. Granted. And it the better proves that environment affecting the body will "specially modify subsequent generations."

\* \* \*

A friend in Nebraska writes asking what the scheme illustrated by Fig. 1, page 1061, July issue, has to do with the "colony idea," as stated in the description under the picture. Others may be mentally asking the same question and so I reply in type.

The colony idea involves simply keep-

for the white ones. The gray for the remaining third meant that these were unpainted and left to assume the weather-beaten tint of most tree trunks.

The essential principle does not consist in having the houses small and movable. They might be large and stationary for that matter. And some other device besides different colors might have been employed to make the birds know their homes. The flocks might consist of twenty birds or ten times that number. The attendant might travel in a one horse shay or on foot, or by airship, instead of on a stone cutter's dray, or as the same rig was called, "Providence low-gear."

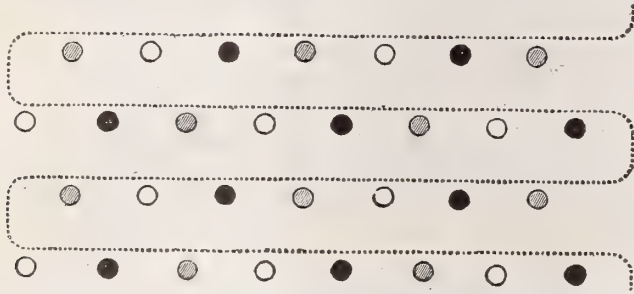


Fig. 3. Colony idea as originally illustrated in *American Agriculturist* in 1871. Circles represent fowl houses ten rods apart with no fences between. Dotted line represents road traversed by a low down wagon used in attendance, now replaced by auto car. See Notes from the Southwest in this issue.

ing several separate flocks of fowls on the same range without fences. As first published by me in 1871, there were a lot of small movable houses ranged in rows on thirty a-res, and with team hitched to a low down wagon, or stone cutter's dray, the attendant drove to them over a smooth road. See Fig. 3. In this picture the dotted line represents the road, and the circles the houses, which are equidistant and all alike save for the color. The quincunx or "break joints" style of the rows keeps every house as far away as can be done from every other house of the same color. Coal tar over rough boards was used for the black ones, whitewash

All these details cut no ice. The ruling object was to dispense with fences and make the mutual antagonism of neighboring flocks take their places.

The desirability of the (then) new Leghorns, on account of their persistent laying and very infrequent sitting, led many persons to try to keep and yard them, and then their provoking flying over high fences made the colony or no fence plan with small scattered flocks very attractive, but it was many years before it was extensively adopted. Prof. Dryden, in writing up Petaluma a few years ago, reported that more than 90 per cent of the poultry farms there were on the colony plan of Fig. 3,

all the houses being movable.

When I started the experimental farm of A. P. J. here I began with my thirty-seven year old colony plan, intending to have one hundred layers my regular unit or number to roost together, but had stationed only four wire covered roosts fifteen rods apart when the Rancocas unit, a la Foster, kept growing upon me and my experiments led me to adopt it finally.

But still the wide open range I must have anyhow, and by the arrangement illustrated in July number I can have units of large size ranging forty rods (or one hundred rods, acreage being sufficient) and without fences, this last qualification expressing the essential colony idea.

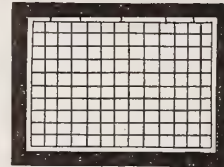
The word "colony" applied to poultry, as also the term "egg farm," were both coined by me in 1871. Neither as thus applied was ever written or printed previous to that date, but both are now very common in poultry literature. Words often acquire more than one meaning after awhile, and "colony" in poultry vocabulary has latterly been used to include various ways of domiciling flocks at considerable distances apart, whether with or without fences.

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**BESIDES THE ABOVE**, annually the largest and best Bantam show in America and a Pigeon show equalled in size and quality by one or two others only. Entries for 1913 positively close Wednesday, Sept. 10.

SECRETARY-SUPERINTENDENTS

Harry Edelman, Pigeon Show; W. Theo. Wittman, Poultry Show



# Massachusetts Poultry Convention

Big Three-Day Meeting in Interest of Poultry Husbandry Held at Massachusetts Agricultural College

**T**HE THREE DAY POULTRY convention held at the Massachusetts Agricultural College, Amherst, Mass., July 28, 29 and 30, 1913, under the auspices of the college and the Massachusetts State Poultry Association, was undoubtedly one of the greatest poultry institutes ever held in this country and was so successful, so well attended and of such great interest that it may become an annual affair. In spite of a very heavy thunder storm on the opening day, the meeting started off exactly as planned and the full program was carried out with a large audience in attendance at each event.

The meeting opened Monday afternoon with over 250 present. Professor Edward M. Lewis, acting president of the college, welcomed the poultrymen and women of the state to the college with a few introductory and humorous remarks. He told them that if Professor Graham did not treat them right, here at the college, simply to report the matter to him and he would see that they were treated fairly.

J. L. Nix, president of the Prairie State Incubator Company, was then introduced. Mr. Nix's talk on "Artificial Incubation" was much enjoyed, not only because of the meat that was in it, but also because of the earnestness and energy with which he entered into the subject. Many of those present afterwards complimented Mr. Nix on his ability to speak upon the subject without once letting it appear that he is in any way connected with a company manufacturing incubators and brooders. The principal points brought out by Mr. Nix were that special attention should be given to supplying plenty of moisture during incubation, that the hygrometer should register somewhere from 60 to 65, that the temperature should be uniform, and the machine well ventilated. Great stress was also laid upon the fact that chicks should be given plenty of air as soon as hatched; that many chicks are hurt by being overheated in the machines and by lack of fresh air. He considers it important that the incubator cellar should be well ventilated, as not so much depends upon the particular type of incubator cellar, he says, as upon ventilation and management.

The Monday evening session was one of the most profitable of the convention. A general discussion was conducted on the problems of the poultryman, led by Mr. Nix, Mr. Graham, Charles Wood of Worcester, Judge Ballou, Rev. Samuel Knowles of Lexington, Mr. Withington of Bridgewater, Professor Phillips of the Indiana Agricultural College and others. Mr. Nix started the discussion by saying that the fanciers should be more practical and develop birds and stock that would produce fertile and hatchable eggs. This statement was made purposely by Mr. Nix in order to bring out a good lively discussion on the subject and very many good practical points were brought out by the speakers, especially the fanciers.

Dr. George S. Gage, of the pathological department of the college, spoke Tuesday morning on "Bacillary White Diarrhea." He had a most interested

audience, as the subject is one that has become of very great economical importance. It showed that the disease was transmitted from the adult bird through the egg. It was also shown that if a few eggs from infected hens were placed in an incubator with other eggs that the entire hatch would be infected. It was further shown that the best way to keep down the infection in a flock was to give them sour milk or buttermilk as soon as taken from the incubator. The lactic acid is a medium in which the bacterium which causes the disease can not live.

Mr. Nix entered into "Artificial Brooding" with the same spirit and

zeal that he did "Artificial Incubation." He impressed upon the audience that overhead heating is the best and that no other method of supplying heat had met with any great success. He placed diagrams before the audience of the various kinds of brooders in use, laying great stress upon the necessity of good ventilation without draft, not too much heat, and plenty of exercise and good wholesome food.

Mr. Graham then spoke upon the "Human Element as a Factor in Poultry Keeping." He first gave a history of the development of the modern breeds of fowls, showing how the human element entered in as the primary factor. It was also shown that on the whole our domestic fowls are rather plastic and that man can do within certain bounds almost anything that he has a mind to do, that the fowls can adapt themselves to many unnatural conditions. The fact was brought out

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## HALBACH'S White Plymouth Rocks

### The Proven Strain

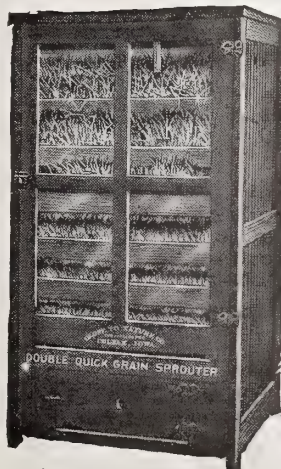
Grand lot of large cockerels and pullets for any show. More and better good ones than ever. Also show hens and cock birds that will win for you.

Remember my strain holds the world's record of winning best display at Chicago four times. In the last four shows they won more than 68 other breeders. At Chicago I won more than 23 others put together. Can more be said??? Compare this record with that of any breeder in the world.

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L. T. DAVIS, CORSICANA, TEXAS, WRITES: "I have my No. 6 Double Quick Grain Sprouter and it does everything you claim it to do. It is indeed a great machine. Would advise any one in the poultry business, large or small, to get this machine for it will get the eggs any season of the year."

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## Double Quick Grain Sprouter

The Perpetual Poultry Silo

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that the modern hen is an egg machine and that we expect her to lay the year round and that we had developed in her this trait. Therefore, she must be cared for differently from the wild fowls that lay for only a short time during the reproductive season. Considerable stress was laid upon the fact that many of the failures in poultry keeping have been caused by a lack of the human factor, that people going into poultry business to make a living, treat the business in a very mechanical way, that on the whole they are looking for something that is automatic either in the way of a house, utensils, feed, breed, etc. These, of course, are important factors, but man is the most important of all. People who go into the poultry business, as such, should make a careful study of it just as they would if they were to embark in any other line of business.

Professor James E. Rice, of Cornell, spoke upon "Breeding Poultry for Egg Production." He gave a general summary of the work done along this line at Cornell, showing charts and photographs of the high and low producers. He brought out the fact that great strides had been made in breeding from the best layers and most vigorous birds. He also emphasized very strongly the fact that the first year's egg production does not determine whether the bird is really a high pro-

ducer, but it takes three years to determine this. His data shows that many hens during their first year were not extremely high producers, but during the second and third years made better records than many of those that laid well the first year.

Franklane L. Sewell gave a chalk talk on the standard types and ideals. He began on the jungle fowl of India and showed the various types of birds from which our modern poultry are developed. Mr. Sewell's talk was very interesting, especially from a historical standpoint.

The demonstration in killing, picking, dressing, etc., was attended by most of those present. The demonstration work was given by C. J. Kelley, foreman of the poultry yards. The various methods of killing and stunning, and the procedure in picking were shown. Birds are bled either by sticking through the throat from the outside or by cutting the jugular vein in the upper part of the throat, or by breaking the neck, according to the English method. The stunning is done by breaking the neck, as the English do, by striking the head against a block, or by striking the head with a club; also by piercing the brain through the roof of the mouth. Much interest was taken in this work, showing that the people are very anxious to prepare their birds for market in the best possible way.

Professor Rice gave a very interesting and profitable talk on the subject of "Recent Advances in Poultry Husbandry." In this lecture Professor Rice brought out the fact that great advancement had been made in all lines of our poultry work. For example, the incubation of eggs can be carried on with tremendously large numbers, a large number of chicks can be brooded in one flock, and at the same time hens can be kept successfully and profitably in flocks of several hundreds, and better methods of feeding and caring for breeders have been a factor in enabling us to get a large number of eggs in the breeding season that will hatch well. He believes that more advancement has been made along poultry lines in the last ten years than in any

other line of agriculture.

Mr. Sewell followed Professor Rice with another chalk talk on the modern types of poultry, showing the advancement that has been made in type.

The Wednesday morning session was held under the auspices of the Massachusetts State Poultry Association, with President George F. Eastman presiding. Mr. Eastman first gave a very valuable talk on the work that the association is doing, showing how it has at all times stood back of the college in helping get appropriations and that its aim has been to band together all of the poultrymen in the state if possible in one large state organization that can become much more useful not only in helping the college but in getting suitable laws passed to protect poultry interests of the state.

This was followed by an address by Dr. Goodale, research biologist in the poultry department at the college. Dr. Goodale showed the great difference in hens in an ordinary standard bred flock. Some were excellent layers; others laid one or two eggs. Then others laid none at all. The same thing was true in regard to the fertility and hatchability. For instance, from one hen there were hatched during the season 66 chicks. From other hens laying a large number of eggs practically none, at least a very few, were hatched. Then again eggs from hens that laid two or three eggs hatched well, while others that laid a small number hatched poorly. The data obtained along this line was very interesting. For instance, one hen went on her nest daily and pretended to lay, but never laid an egg. As the season advanced, she became broody, showing that a broody hen is not a sign that she has laid eggs. The main point of the discussion pointed to the fact that the farmer or poultryman, if he could only select his best hens, would need to keep very few breeders, also he would need to incubate but very few eggs to get his required number of birds for the next season.

Then followed the demonstration in caponizing by Henry D. Smith. This is always interesting and hundreds of people were shown by Mr. Smith just how the operation is performed. Mr. Smith being an expert in this line, made it not only practical but interesting indeed, as he can caponize two a minute if they are handed to him. He opens the bird only on one side.

The convention was pronounced a great success. Professor Rice said that he believed it was the largest gathering of poultrymen ever held in the country, as more than 500 attended. There have been meetings during Farmers' Weeks when more men have gathered together to listen to a lecture on poultry, but as a meeting where the people have come, all interested in just the one subject, it is, so far as we know, the largest ever held in the United States.

From the expressions of those present it seems wise to make the gathering at the college an annual affair, as many of those present said they were coming another year if we have one and bring their families with them. They also said, many of them, that they were the sole representatives from certain districts in the state. It might be said that the majority of those present came from a long distance. Practically all the states in New England were represented, also New York, New Jersey and Pennsylvania.

### Please Don't Read the back Inside Cover



**The Most Up-To-Date Hopper** on the market. Is a sure seller and gives the customer perfect satisfaction. Flow of grain can be regulated. No food can be thrown out. Holds eight quarts. Price 85 cents. Special price per dozen. Send for our catalogue of Sanitary Poultry Supplies.

Atsatt Bros., 27 Pearl St., Mattapoisett, Mass.



### Only One Dollar

Prepaid to your address. 5 piece Poultry Outfit. Consists of 1-Galvanized Poultry Fountain, 1-Dry Mash, 1-Grit, 1-Oyster-shell and 1-Beef-scraper Feeder. All excellent pieces, make poultry profitable.



Grit, 1-Oyster-shell and 1-Beef-scraper Feeder. All excellent pieces, make poultry profitable.

### POULTRY APPLIANCE CO.

967-16th Street Milwaukee, Wis.



# Genasco

THE TRINIDAD-LAKE-ASPHALT

## Ready Roofing

gives lasting protection to all your buildings.

The natural oils of Trinidad Lake asphalt keep life in Genasco through all kinds of weather on all kinds of roofs.

This makes them proof against rain, sun, wind, heat, cold, alkalis and acids. It is the economical roofing for every building on the farm.

Ask your dealer for Genasco. The Kant-Leak Kleet comes with every roll of smooth surface Genasco—does away with cement and prevents nail leaks.

**The Barber Asphalt Paving Company Philadelphia**

Largest producers of asphalt, and largest manufacturers of ready roofing in the world.

New York

San Francisco

Chicago





## Recent Inventions For Poultrymen

### Novel Poultry Equipment Invented By Poultry Keepers Patented in July. Brief Description of Most Important

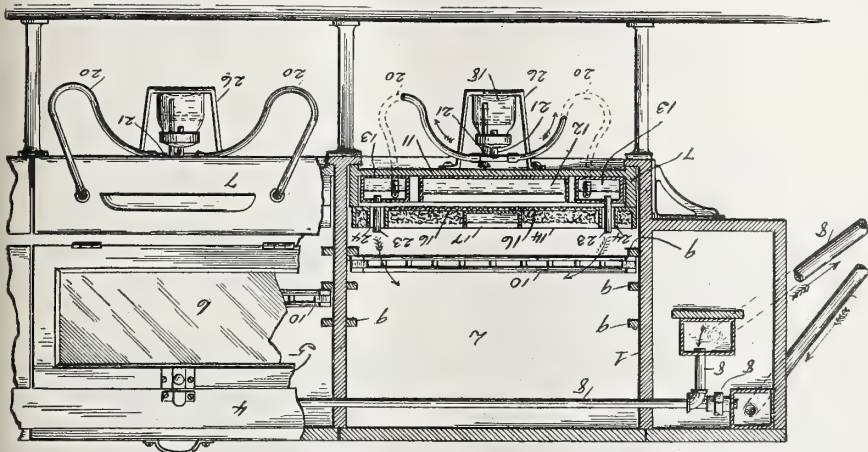
BY LESTER L. SARGENT, PATENT ATTORNEY, WASHINGTON, D. C.

OTTO A. HENSEL, of Pittsburgh, Pa., has invented an incubator in which chicks are produced under hygienic and natural environments, resulting, he claims, in a healthy, strong brood. The new features of his incubator are a pan partially filled with water; another pan above it, of fine mesh wire, containing a quantity of earth mixture with loam or leaf-mold; a small receptacle containing soda, lime

or receptacles are provided to discharge the oxygen above the level of the earth pan into the incubator proper, and nourish the embryo or live chicks therein. In other respects the operation of the incubator does not differ materially from those now in use. The patent number is 1,068,128.

A new egg-tester has been invented by William Rigling, of Hamilton, Ohio. It is designed to be used with an ordi-

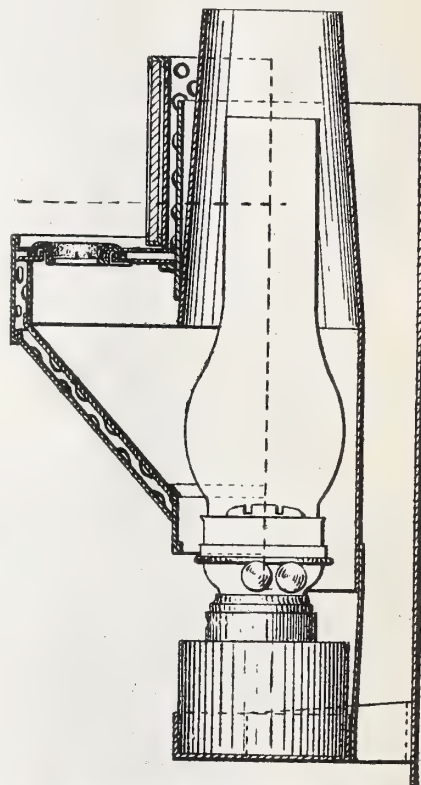
curved reflector. At each side of and above the lighting agent are mirrors, so arranged that a satisfactory view can be obtained of all portions of all eggs, no one egg seriously interfering with the satisfactory view of any of the other eggs, and no turning of the



Incubator patented July 22, 1913, by Otto A. Hensel, Pittsburgh, Pa. No. 1068128

or charcoal, to absorb poisonous gases thrown off by the eggs at certain periods of incubation; and, underneath, an oxygen generator (a covered jar filled with sulphuric acid acting on barium dioxide) having flexible tubing communicating with compartments of the moisture pan, for the purpose of retarding and washing the flow of oxygen from the generator. Exit tubes from the top of each of these compartments

nary lamp. The backpiece and walls are arranged to form a vertical flue, open at top and bottom, and the double front walls of perforated metal are also provided to afford a peculiarly free circulation of air and lessen the danger from fire being set by heated metal parts. The eggs are placed in a series of egg-receiving cells in the form of an are above and around the lighting agent, and tested by sight. Below is a



Egg Tester, patented July 1, 1913, by William Rigling, of Hamilton, O. No. 1066050

eggs being required. Patent No. 1,066,050.

A novel device for preventing hens from setting has been patented by Eliza J. Fulton, of St. Louis, Mo. It comprises a wire structure having depen-

**U. R. FISHEL'S AD in this issue will interest you. Read it.**

**LOOK! ORPINGTON SALE! EGGS (SAVE FARM FLOCKS) HALF PRICE**

All our famous winners and breeders at half price; also young stock now ready—young trios at \$5 will win later. Catalogue free. Send ten cents for Orpington Magazine, one year. **Cheviot Farms, Route 2, Cincinnati, Ohio**



# MISS CAREY, TOYNTON, SPILSBY

## SAY---DO YOU WANT TO WIN?

**ORPINGTONS--Blue, Buff and White  
CAMPINES--Silver and Golden  
FAVEROLLES--White and Buff  
DOGS--All Breeds and Varieties**

# ENGLAND AT ATLANTIC CITY



I have now been among you for several years as an exporter of exhibition stock, and have shipped more winners of the blue to your shows than the majority of breeders during the same period, whilst many breeders abroad hold their present position right at the front to stock purchased from these yards. All over the world my birds and dogs can now be relied on to win. SAY—Won't it pay you to write where you know you are certain of good value at reasonable prices, and where the stud record of wins at leading events in Europe, Africa and America has won world-wide fame. I hold a splendid lot of stock at my command, some of the best in the country and can give you the lead right at the front of the shows. I hope to be among you for the A. P. A. convention at Atlantic City and take your orders in person and hope to have both dogs and poultry with me. Correspondence can be sent the second week in August to me, Poultry Exposition, care of Million-Dollar Pier, Atlantic City, N. J. Pens of all popular English breeds can be ordered and purchased at my exhibit there throughout the show, but come right along and tell me what you want and I will help you to the best of my ability. **Reasonable prices for all. Agents wanted.**



0, pickles! Don't read back inside cover

## BABY CHICKS

Will have no more chicks until March, 1914. Catalog free. 20th Century Hatchery, Box 73, Chatfield, Ohio

**S. C. BUFF LEGHORNS, 22 YEARS**  
**COLUMBIAN ROCKS, 8 YEARS**

Prize takers. The please buyers. Old and young stock for sale. **J. Quincy Dawson, Coshocton, Ohio**



## THE PARADISE WAY

Insures greatest success in hatching chickens. Satisfied customers throughout the world. Write now for big free circular.

**Elmer S. West, Box 97, Ewing, Ky.**

## THE EGG RECORDER

Patented—Will sort laying and paying hens, from poor ones which eat up the profits. Every hen should clear \$2.00 a year. Do you get it?

The Egg Recorder, 283-285 Fifth Ave., Brooklyn, N. Y.

## PULLETS AND YEAR-OLD HENS

S. C. Buff Orpington and Partridge Plymouth Rock. Extra good stock. Two Reeves Pheasant hens and one pair Golden Pheasants, full plumage. One Amerst cock, full plumage. Young and old Embden geese. Mention American Poultry Journal.

**JENNIE MILNER -- NORMAL, ILLINOIS**

## FALL

hatching is a success if you let the **Magic Egg Tester** pick out the eggs you are going to use. If you buy now you get the longest time for trial. One Tester (with absolute guarantee), by mail \$2.00. Your money back after trial if desired. Ask for circular and testimonials. Mention A. P. J.

**MAGIC EGG TESTER WORKS, Dept. B, Buffalo, New York**

## GOLDEN AND BUFF WYANDOTTES

That have won for me and others at New York, Chicago, Kansas City and Omaha. Will sell single birds, pairs, trios and pens in either young or old stock. Satisfaction guaranteed. Mention A. P. J.

**J. S. Pennington Box A Plainfield, Illinois**

## "Ringlet" Barred Rocks

This is the month to hatch winners. Our \$2 per setting eggs are from fine quality cockerel matings. The \$4 and \$5 per setting eggs are worth twice the price. Two dozen fine cockerel-bred yearling hens at \$2 each after June 1st, also two fine yearling cocks \$5 each.

**HIGHLAND POULTRY FARM**  
**Fred Erdman, Prop., Normal, Ill**

## MADISON SQ. WINNERS



Over 43 prizes and specials in the Garden. 4 firsts on Rose and first on Single Comb Brown cock in one year.

The two best strains of Browns bred. They win. They are large and lay up to 242 eggs

to a pen. Large eggs.

Lots of breeding stock as well as show stock of above breeds.

**Rose Comb White Leghorns**—Large white birds, large eggs, 244 eggs to a pullet best record. Winners.

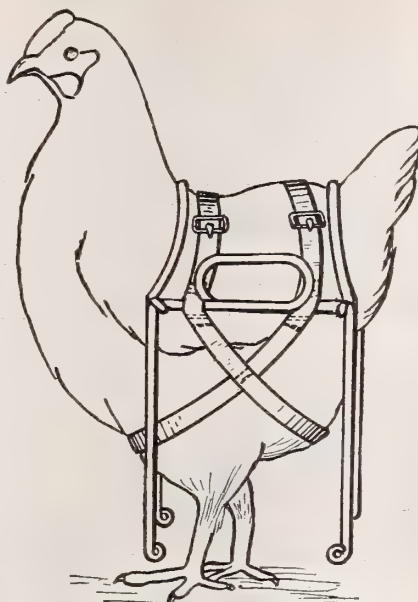
**Single Comb Whites**—236-egg strain. Plenty of white low-tailed cockerels.

**White Wyandottes**—Duston and Regal. Cup winners.

**Barred Rocks**—Bradley. S. C. Reds—Tompkins. Catalog.

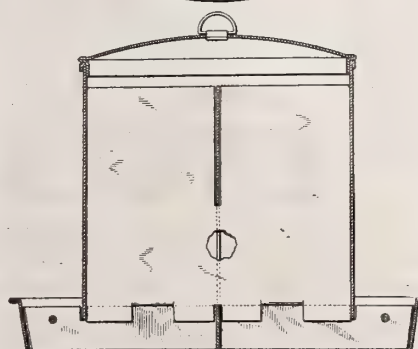
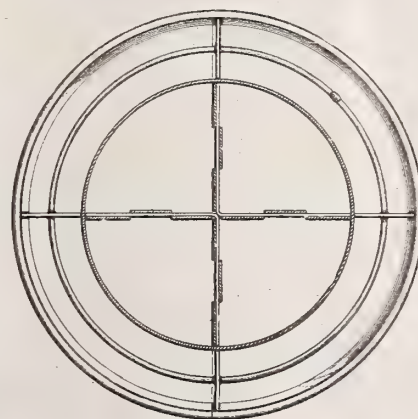
**W. W. Kulp, Box 70, Pottstown, Penna.**

dent legs, which clear the ground when the hen is standing but effectually prevent the fowl from assuming a sitting posture. Any suitable means such as straps are used to secure the device to a hen. Patent No. 1,068,121.



Device for preventing hens from setting, patented July 22, 1913, by E. J. Fulton, St. Louis, Mo. No. 1068121

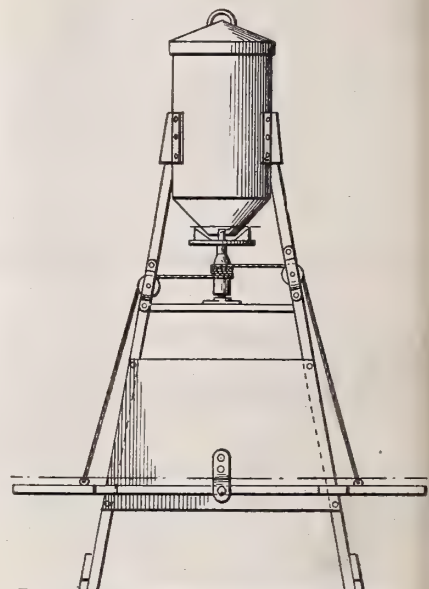
Herman F. Leichtfuss, of Milwaukee, Wis., is the inventor of a new poultry feeder for economical feeding. This is effected by a circular trough, which is divided by division plates into sectional compartments to prevent scattering of the feed longitudinally of the trough, and having a fender or wire hoop divid-



Poultry Feeder, patented July 22, 1913, by H. F. Leichtfuss, Milwaukee, Wis. No. 1067824

ing the trough in halves to prevent the poultry from scattering the feed by "billing" in a radial direction. Patent No. 1,067,824.

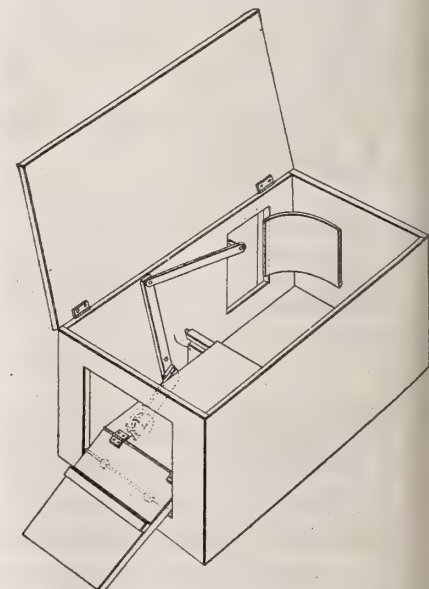
A poultry-feeder has been patented by Max H. Hinkle and George E. Fritz, of Blackhawk, Colo., which also serves the purpose of exercising the poultry. Grain is fed from a hopper to a distributing disk. This disk is rotated by a cord attached to a lever, which is pivotally mounted and arranged so that



Poultry feeder patented July 15, 1913, by M. H. Hinkle and G. E. Fritz, Blackhawk, Colo. No. 1067338

when the bird steps upon it, it will rotate the distributor and throw off the grain. The inventors state that from practical experience they have found that the fowl soon learn how to feed themselves with this feeder without care or further attention from their owners. Patent No. 1,067,338.

Several trap nests or automatic nest boxes were patented during July. Possibly the most interesting of these is that invented by Ward J. Holly, of Pewamo, Mich. (Patent No. 1,067,340),



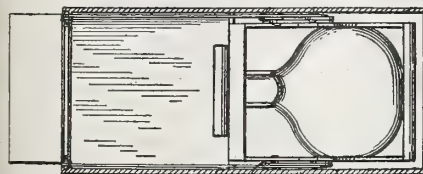
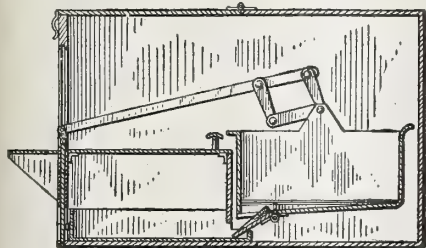
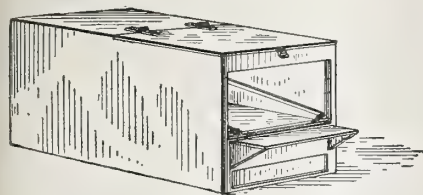
Trap nest patented July 15, 1913, by Ward J. Holly, Pewamo, Mich. No. 1067340

employing a pivoted platform, weight upon which closes the entrance door, and having a separate exit door, the opening of which by the hen reopens the entrance door, the hen being compelled to enter through one opening and



vacate by another, so that layers are separated from idlers automatically.

An automatic nest box (Patent No. 1,068,794), invented by John T. Mason, of Kewanee, Ill., is arranged to automatically close the door when the hen enters and to automatically open it

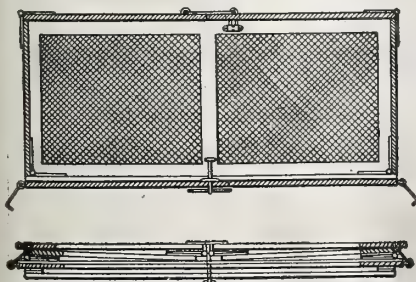
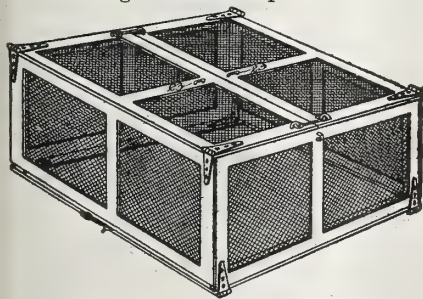


Automatic nest box patented July 29, 1913, by J. T. Mason, Kewanee, Ill. No. 1068794

when she climbs from the nest, and includes a novel, separate, enclosed tray into which the egg is discharged through a trap door from the nest.

Frank J. Schisler, of Winthrop, Minn. (Patent No. 1,068,084) and James W. Thompson, of Champaign, Ill. (Patent No. 1,068,373), are recent inventors of trap nests designed to entrap the hen until released by hand.

A folding chicken coop has been in-



Folding chicken coop patented July 1, 1913, by W. T. Phillips and James Shelton, Florence, Ala. No. 1066418

vented by Wm. T. Phillips and James Shelton, of Florence, Ala. It is especially adapted for use in transporting chickens from one point to another, and when empty may be transported at minimum expense. Patent No. 1,066,418.

## CHERRY REDS ARE WINNERS

Both as show birds and layers. Young cockerels for early shows. Write for prices, mention A. P. J. ERNST F. BIRKHOFF, WILLOUGHBY, OHIO

## RANKIN'S ROSE AND SINGLE COMB Rhode Island Reds

Our 1913 Matings have produced some of the best "Reds" ever bred. Now is the time to order birds for fall and winter shows from our Philadelphia, Cleveland and Pittsburgh blue ribbon winners. Mating list free. Mention American Poultry Journal.

SCHENLEY HEIGHTS POULTRY FARM  
C. F. Rankin, Prop. 1202 Commonwealth Bldg. Pittsburgh, Pa.

## CHAMPION ROSE COMB BLACK MINORCAS

Winners at Madison Square Garden, New York, (Club Show), Scranton, Pa., Ontario, (Guelph), Toronto and London. We have for disposal cocks, hens, cockerels and pullets which will win for you in any competition. Come to Canadian Headquarters and get your winners, we have them. Write us today, mentioning American Poultry Journal.

ROSS SWARTOUT, Prop. : : GEO. ROLT, Farm Supt.  
A. P. A. and Minorca Club Member : BOX C., NEWPORT, ONTARIO, CANADA

## This Roofing never costs a Cent for maintenance



Broadview Poultry Ranch, Hubbardston, Mass., 266 ft. long, covered with J-M Asbestos Roofing and Asbestoside

It's false economy to put your money in a "cheap" roofing that has to be painted, graveled or repaired every year or two. The real cost of a roofing is the purchase price plus the cost of maintenance. J-M Asbestos Roofing is the only ready roofing that never requires a single cent's worth of coating, graveling or other protection. Therefore it costs less per year of service than any other roofing. This roofing never needs any protection because it is made of layers of stone (Asbestos) felt securely cemented together with Trinidad Lake Asphalt. It is mineral through and through—literally a sheet of pliable stone. There isn't a particle of perishable material in

## J-M Asbestos Roofing

Is it any wonder that this stone roofing is not affected by rain, heat, cold, salt air, chemical fumes, etc., and that it affords absolute protection against fire? And is it any wonder that this roofing is still in good condition on hundreds of roofs after more than twenty-five years of service?

J-M Asbestos Roofing comes in rolls ready to lay; also furnished in built-up form. Suitable for any type of building. Easy to lay. J-M Roofing Cleats, packed in each roll, make absolutely water-tight laps and give the entire roof a handsome white appearance.

Your dealer sells J-M Asbestos Roofing—if not, order from our nearest branch. Write for sample of the curious Asbestos Rock from which this Roofing is made and our Book No. 2726

## H. W. JOHNS-MANVILLE CO.

MANUFACTURERS OF ASBESTOS AND MAGNESIA PRODUCTS

ASBESTOS

ASBESTOS ROOFINGS, PACKINGS, ELECTRICAL SUPPLIES, ETC.


Albany	Chicago	Detroit	Louisville	New York	San Francisco
Baltimore	Cincinnati	Indianapolis	Milwaukee	Omaha	Seattle
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Buffalo	Dallas	Los Angeles	New Orleans	Pittsburgh	Syracuse

THE CANADIAN H. W. JOHNS-MANVILLE CO., LIMITED  
Toronto Montreal Winnipeg Vancouver 1967



# Poultry Publicity

by Louis A. Stahmer



IT IS only a very few years ago since the breeders of fancy poultry began to give the advertising proposition serious thought. Competition was not very keen before that period, and large display advertising practically unknown, and in many cases a mere notice in the poultry papers would dispose of the breeders' stock in a short time, after which the advertisement was discontinued, or, as some did, left standing unchanged the year round. The industry has advanced very rapidly since that time, and competition is now keener than that of many other lines of business. In the United States alone, over one hundred periodicals are devoted to the poultry subject exclusively. Advertising space has increased in cost on account of the greater circulation of the periodicals and higher cost of labor. Advertising itself has become a scientific trade of its own, and high-salaried men in this line are giving their best efforts to produce profitable results for their clients, and are making investments for them which rapidly become an asset of the business, if the proposition is handled judiciously. Quite a few poultry breeders are under the impression that advertising is an expense. It is, indeed, for many of them, but there are also many that are get-

ting great results, and they are generally the ones that have given the advertising proposition the necessary thought in order to obtain the desired results from their investment. From an advertising standpoint, the poultry business is peculiar in many ways; especially the writing of the copy for a good ad requires a man thoroughly familiar with all the peculiarities of the business, and the most successful ad writer in this line is either the breeder himself or a man who has come in frequent contact with the buyer and seller, thus gaining information that enables him to put selling value into the copy. Hundreds of breeders in America can produce fine specimens of their respective breeds, yet when it comes to selling them they are up the "stump" for not knowing how to present their stock to the buying public in the best manner. One of the greatest mistakes generally made by quite a few of the breeders is that they put off writing the copy for their ad until the last possible minute, and for that reason give no thought to the convincing arguments necessary in every advertisement. As it is, the copy reaches the paper two or three days late, and probably does not get a very good position on this account. Waiting patiently for inquiries

that never come, on account of a poorly constructed advertisement, they condemn the mediums and wail about the advertising expense. The trouble with too many of our breeders is this: They have not kept up with the procession in the advertising line; in fact, they really do not know what advertising is, and for that reason do not get the results they should. In olden times, before railroads were in existence, and when the parcel post was unheard of, trading in any commodity was confined to the immediate surroundings of the town where the seller lived, and the "town crier" used to be, so to say, the voice of business. Nowadays your advertisement must represent the "town crier," and as there are many of these "fellows" in the modern poultry or live stock journals, conditions are entirely different than what they were before, and results depend altogether now on the personal appearance and arguments offered by your "crier" and backed up by you with more convincing proof. Perfect check can be kept on the modern "crier," and results can be measured and proper credit given, but it stands to reason that a medium which reaches the greatest number of buyers, who are willing to pay the price which you desire to get for your stock, offers

## ROSE COMB RED

**PULLET SALE**—Hundreds of early hatched birds ready for immediate delivery. Kaufmann & Windheim's famous strain. See advertisement on page 1181.

### THE WILLOWS FARM



### "Frost White Strain"

We Breed  
**S. C. W. Leghorns**

**Our Birds Always Win**  
New York 1911      Chicago 1912

**Specialists in Show Birds**

We are now conditioning the winners for  
**The 1913 Fairs and Winter Shows**

**We Can Please You    You Can Win**  
**Our Prices Are Surprisingly Low**

**Write Us Today Just What You Want**

**The Willows Farm**  
**Lock Box 488, South Bend, Indiana**

Reference—The American Trust Co., South Bend, Indiana



the best opportunity for your advertising investment. There are several methods of advertising; for instance, there is the direct and the indirect. The direct method is a good one, but cannot always be applied, for it would not do you any good to go out into the street and jog people by the elbow, calling attention to your stock. While it would work perhaps fairly well at a poultry show or a country or state fair, the greatest drawback to this method is that the results are not in keeping with the great amount of personal attention necessarily given by this direct method of advertising. By the indirect method "you" can appear in every town in the country on nearly the same day, and can jog millions of people by the elbow, calling attention to your stock. You must, however, do it gently, but in a convincing way. You will notice I said "you," for your personality must appear in the ad. It must do the work by such forceful arguments, aided by suitable attraction, that it will bring home the "bacon." If your advertisement has been constructed along these lines, you can go fishing, play tennis and golf now and then, and let your "double" do the work while you take a day off. A valuable factor and necessary adjunct to the indirect advertising method is your stationery and catalog. A handsome, rich-appearing letterhead is a business builder, while, on the other hand, if it does not correspond in quality of appearance and text with your advertisement in the papers, it will become a business knocker instead of a booster. A sloppy letterhead is not worthy of a first-class poultry farm. They do considerable more harm than you can imagine, and are likely to make a prospective customer judge by comparison, and, instead of acting like a long-distance handshake, they act like a slap in the face. Your letter is your salesman and meets people unknown to you. It goes into the home of the millionaire and also into the humble cottage of the workingman. For that reason prepare your salesman so that "you" can meet either. I say "you," because your letter represents you. It talks in your own language, and all that is needed is to clothe him right, to give the prospective buyers a mental picture of your person and character. What I have said about stationery applies also to your catalog, which, like your letterhead, must represent your stock and your personality in the clearest manner possible. If you are unable to write the text for your catalog properly, then jot down your thoughts as they come to you roughly, and with the assistance of some one more familiar in preparing articles for publication get it into shape for the printer. Start your next season's catalog the minute your old one is off the press, for it will take considerable more time than you expect in order to produce convincing, sales-inducing articles for the book. Show plenty of good illustrations, for pictures can talk in every language and leave impressions on the mind which cold type can never produce. You will notice I said "good" illustrations. I really mean the best ones that you can possibly get, and, above all, never print pictures that do not show the type of your respective breed to the best possible advantage. For, remember, "shape makes the breed." We see, too often, cuts of first-prize winners that do not do justice to the splendid shape which the

specimen naturally must have possessed in order to win at a large show. Naturally the advertising value is destroyed with a picture of this kind. When preparing your advertisement, or when you write your letter or text for your catalog, put yourself into the prospective buyer's place. Ask yourself the questions that he is liable to ask of you; then let your ad and your letter and your catalog be the true answer, such as you would expect. To make advertising of all kinds attractive requires the assistance of the artist and engraver. It has been said that "Art is simply a beautiful way of doing ordinary things," but it cannot be denied that there is a difference in the character of the work turned out by artists just the same. Especially the making

of a good poultry picture is practically limited to the specialist, and the most successful one is generally a breeder himself or one who comes into constant contact with this particular class of trade. Then the engraver must be taken into consideration. To the average buyer a half-tone is a half-tone. But let me tell you that there is as much difference in quality as there is between two different priced suits of the same color. It requires artists in this line just as well as it does for making the original pictures, and it stands to reason that a firm doing considerable poultry engraving will in time become extraordinarily efficient in producing cuts that will show the desired points in the pictures.

## White Rocks and White Wyandottes

Write now, right now. We have the best quality we ever raised this season, in young stock and know that we can please you if favored with your order. Try us and be satisfied. Remember we have a record for years back. At Boston's Great Show, 1913, we won four out of five firsts. Baltimore, Md., 1912, five firsts on both breeds. As we did not sell any early hatching eggs, it enables us to raise a larger number and of the best quality. Telephone Marlboro Exchange. Mention American Poultry Journal when writing.

### ROCKANDOTTE FARM

W. R. Graves Route 3, Southboro, Mass. Mrs. S. H. Graves

## Sign of The Times

Pape's strain of single comb Black Minorcas just won 1-2-3-4 cock bird; 2-3-4-5 hen; 1-2-4 cockerel; 1-2-3-4 pullet; best pen and display at the Greater New York Show. These winning ought readily to convince anyone that we are headquarters for show birds.

If you are interested in stock that will yield large white eggs and many of them. Let me know your requirements—prices are attractive. Mention A. P. J.

CHARLES G. PAPE

Box 74 Fort Wayne, Ind.



## Germozone Twice a Week

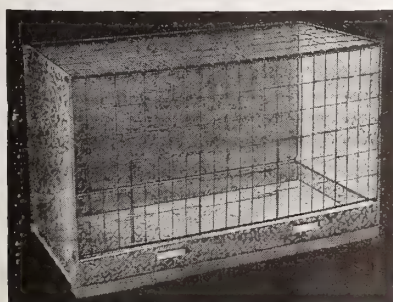
Chickens, feeding from the floor or ground, are especially liable to sickness from impure, musty or spoiled food and drink. They are also subject to easy infection of the mucous lining of mouth, nasal passages, eyes, throat, crop and bowels. Germozone, given in the drinking water, insures purity of the water and also of the food taken before or after. It regulates the bowels, giving those slaty-colored droppings, tipped with white, that every old poultryman knows mean health.

Then, too, for Roup, Canker, Colds, Sore Head, Swelled Head, Chicken Pox, etc., Germozone is a ready remedy, easily used and very effective.

Don't put off using Germozone until your birds become sick. It's easy to keep a healthy hen healthy, but it's hard to cure her and still harder to get her to laying again. Learn the "LEE way" "Lee's Poultry Book" and "Pointers for the Amateur" are both free.

Germozone may now be bought at almost every town; over 10,000 dealers in the United States. 50c per 12-oz. bottles. Sample mailed free for 10c. Made only by

GEO. H. LEE CO., 1101 Harney St., Omaha, Neb., or Los Angeles, Cal.



## GET READY

Buy coops now for county and state fairs. We make training and exhibition coops, brood, setting and colony coops, fireless brooders, portable hen houses, trapnests, portable fences and runways, collapsible show coops to coop poultry shows, etc. We will be at the state fair, Springfield, Illinois, under a large tent south of the Dome Bldg., next to the covered walk on lot 90 don't fail to see us there. Write now for catalogue, it is free. Address

Niemann Bros. Mfg. Co., Box 677, Mt. Olive, Ill.



# Current News of the Poultry World

by J. F. Shureman



A special attraction during poultry show week at the National Conservation Exposition at Knoxville, Tenn., September 23 to 27, will be a poultry institute conducted by experts from the Bureau of Animal Industry, United States Department of Agriculture.

A. B. Seymour, a wealthy mine operator of Plumas county, California, has purchased 1,600 acres of land near Bidwell Bar, Cal., and is planning to establish one of the largest poultry plants on the Pacific Coast at that place.

It doesn't pay to steal poultry in the vicinity of Lebanon, Pa. Three chicken thieves were recently apprehended and convicted and Judge Henry, of Lebanon, sentenced two of them to the penitentiary and fined the third fellow \$500 and costs.

J. N. Price, of Kinston, Wayne county, N. C., will please step forward and accept the championship belt. He claims to have a Light Brahma hen that lays fourteen eggs a week regularly, or two eggs daily, including Sundays. Mr. Price is ready to gamble that he can prove it, too. He gets the belt.

The Shawnee Poultry Farm Company, of Shawneetown, Mo., was incorporated

in June with a capital stock of \$6,000. The incorporators are J. H. Fischer, Silas W. Morgan and H. R. Stevenson. The company will engage in the breeding of poultry on an extensive scale.

Two hundred and twenty-eight poultry raisers, all from Grayson county, attended the first annual fried chicken banquet held recently in Sherman under the auspices of the Grayson County (Texas) Poultry Association. It was shown that from 1,000 to 2,000 dozen eggs and 2,000 pounds of poultry per week are shipped from Sherman.

Messrs. Scheid & Ream, proprietors of the Pennsylvania Poultry Farm at Lancaster, Pa., have purchased the ten White Leghorn hens entered in the laying contest at Mountain Grove, Mo., by Tom Barron, of Catforth, England, for \$500, or \$50 each. These ten hens made a record by producing 227 eggs in April and it is expected that when the contest closes next November they will have averaged over 200 eggs each for the year. The hens will be sent to Lancaster after the close of the contest.

Dr. Walter Pruce, chief of the experimental poultry farm at Pergamino, Argentine Republic, who has spent several months in this country, investigating American poultry methods,

sailed from New York the fore part of July with a cargo of more than five hundred chickens, representing fifty-one varieties, purchased from poultrymen in various states. He also took with him 300 tons of American poultry appliances, including portable houses, feed mills, bone mills, incubators, brooders, and a general line of poultry supplies of all kinds. He was accompanied by several American poultry experts who will introduce American methods of poultry breeding among the farmers of Argentina.

Louis Funcke, proprietor of four retail poultry establishments in New York City, was recently fined \$250 for selling cold storage poultry without giving notice that it had been refrigerated.

The contract for the erection of the new poultry exhibition building on the State Fair grounds at Syracuse, N. Y., has been let to the John Keeler Building Company, of Albany, N. Y., and work has been commenced. The contract covers the construction of the building and the installation of the plumbing at a total cost of \$79,600. It is to be one of the most complete buildings of its kind in the country.

Floyd Dillingham, of Sullivan, Ind., recently broke open an unhatched goose

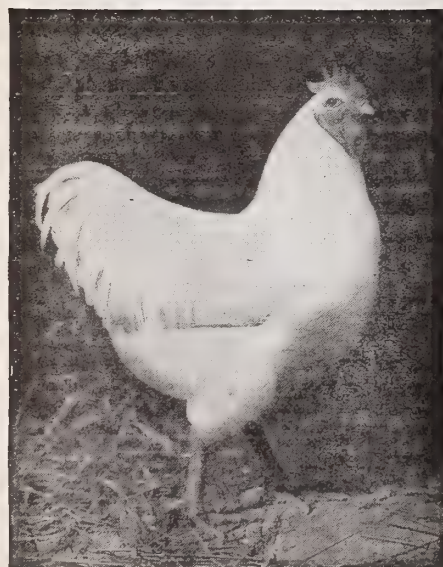
## FLANDERS' SINGLE COMB WHITE LEGHORN FARM

(PARMENTER STRAIN) — We can now spare some fine quality cocks and hens. Some grand youngsters coming on. Get ready to win this Fall by writing us today. Mention American Poultry Journal.

ROBT. D. PARMENTER, MANAGER

FLANDERS' WHITE LEGHORN FARM

ROUTE 1, BOX 80, ORCHARD LAKE, MICHIGAN



## WHITE PLYMOUTH ROCKS

### "The Best in the World"

#### WHY WORRY

About those coveted prizes at your fair or early show when for a few dollars I can supply you with birds with which you can win.

#### WHY WORRY

About selected breeders to infuse new blood or vitality in your flock when I can supply you with strong vigorous farm reared birds with blood lines no other White Rock breeder can give you.

#### WHY WORRY

About having eggs for your table this Winter when for a few dollars you can buy a utility flock of me that will produce you not only eggs for your own use but eggs to sell to your neighbor who has a variety of fowls that lay only when eggs are cheap.

Send for our special sale list, it is free and will interest you, I know. Write us, we want you to get acquainted.

U. R. FISHEL : BOX A : HOPE, INDIANA



egg that had been incubated and found a gosling with four legs, four wings and three bills! Next!

A "Swat the Rooster" movement has been started by the members of the Northwest Missouri Poultry Fanciers' Association, and the farmers and breeders of the entire state are being urged to join in the movement. It is being argued that the State Legislature would be justified in proclaiming the first day of June as "Rooster Day" and urging the farmers and poultry raisers of the state on that day to kill, sell or separate the male birds from their flocks. It is estimated that millions of dollars' worth of Missouri eggs are lost each season because of being fertilized. "Swat the Rooster from June to October" is the slogan of the new movement.

According to a careful estimate, the poultry products of McPherson county, Kansas, amounted to a total of \$217,723 for the year ending on March 5, 1913. Quite a bit of "pin money," that.

The plant of the X-Ray Incubator Co., for a number of years located at Wayne, Neb., is to be removed to Des Moines, Iowa.

Jared C. Swift, of Foxboro, Mass., has a Brahma Bantam rooster that recently hatched five chicks from five eggs. The little chap manifested a desire to set, and Mr. Swift, in a spirit

of fun, placed five eggs under him. He stuck to the nest like a veteran until the chicks hatched and now he struts around with them, caring for them the same as would a hen.

Here's a hot weather story from Nashville, Tenn.: A hen belonging to O. B. Childress laid an egg in an unused poultry house with a low metal roof. Mr. Childress, on July 2, found a live chick in the house, the heat of the sun on the metal roof having incubated the egg!

Women poultry breeders of Des Moines, Iowa, have an association all their own, known as the Women's Poultry Association. They hold regular meetings at the homes of the members and instead of discussing the latest styles in dress and millinery, and wasting their time in idle gossip, they discuss poultry subjects. A meeting was held at the home of Mrs. Jeff Crawford early in July, the subject for discussion being "Forcing the Moults." There's some sense to a proposition of this kind.

The J. W. Miller Incubator Company, of Rockford, Ill., has purchased 80 acres of land near that city and will establish a poultry experimental farm on the tract at once.

A market could be found for the product of 62,000 laying hens in Spokane, Wash., and the territory served by it as a jobbing center, according to W. H. Hagan, manager of the Hazelwood Company, the largest importer of

eggs in the Spokane country. It is estimated that for several years the importation of eggs into Spokane from eastern states has amounted to approximately 100 carloads annually. Each carload contains 400 cases of 30 dozen each, so that practically 1,250,000 dozen eggs have been shipped into Spokane annually for distribution throughout a radius of 200 miles or more.

The buildings on the poultry plant of A. P. Ward & Son, near Calistoga, Cal., were recently destroyed by fire, together with 4,000 pullets and chicks. The loss is estimated at \$5,000, with no insurance.

The largest electrical hatching plant in the world is owned and operated by Frott Bros., Plymouth, England. They have ninety-four incubators, each of about 500-egg capacity, and the average output is about 8,000 chicks a week. The hatching is all done by electricity.

Mrs. Joseph Slivka, of Cleveland, Ohio, claims to make a profit of \$10 a month from a flock of 45 hens, selling the eggs to the neighbors.

A sitting hen belonging to Arthur Lynch, a farmer living near Ackley, Iowa, died on the nest six days before the eggs were due to hatch. Lynch buried the hen and left the eggs in the nest, and fourteen chicks hatched from the fifteen eggs.

**You're out! if you read back inside cover**

## IOWANA WHITE ORPINGTONS

### Bred for Vitality, Productiveness and Quality

Our colony range shows dozens of **superb cockerels** and **pullets**. They can win for you this season. They will produce grand stock for you next season. Sires and dams of these youngsters, **proven breeders**, if purchased at our reduced prices, will start you at the top as a White Orpington breeder.

**IOWANA FARMS POULTRY DEPARTMENT**  
**DR. BRYANT SMITH, MGR. :: BOX 5, DAVENPORT, IA.**



## Fishel's World's Best White Wyandottes

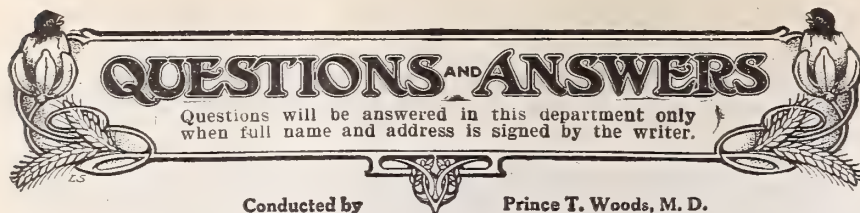
Upwards of 500 yearling cocks and hens, the very cream of our 1913 matings, must be sacrificed within the next thirty days. We invite you to write us if you contemplate going into the poultry business or desire high class breeding and exhibition stock. These breeders must go at \$3.00 and up.

**YOUNG STOCK**—This has been our most successful year. Fifty cockerels, February hatched, at \$3.00 to \$25.00 each. 150 pullets, February hatched, at \$4.00 each.

**SPECIAL**—Let us fit you out for the show with a cock, hen, cockerel and pullet. Birds that can successfully meet any competition. Can we quote you prices? Write today for our illustrated catalog, mailed for twenty-five cents in stamps or coin.

**J. C. Fishel & Son : Box J : Hope, Indiana**





Conducted by

Prince T. Woods, M. D.

**Large Flock Production and Fertility.**

Q. I have been breeding up small flocks of Rose Comb Black Minorcas for egg production for past seven years and believe I can not get better results than I am now getting. Here is my egg record for February, March and April for a flock of 52 Minorcas: February, 1,121; March, 1,026; April, 1,000 eggs.

The flock consists mostly of yearlings. These birds are well fed and have practically free range. If I can get such results from 52, don't you think I could do equally well with a larger flock? J. B.

Broadway, Va.

A. That is very good laying, even for the season, which is the heavy yield season of the year. With equally good care you should be able to get similar good results with larger flocks.

Several old timers, we know, claim to get better egg yield and better fertility from flocks of 100 or 150 layers than from flocks of 15 to 25 fowls. A letter from J. W. Dwinell, Danvers, Mass., dated July 28, contains the following on this subject: "My best yield and fertility this season came from a pen of 125 yearling Reds mated with five cockerels. I think too many males injure fertility rather than help it. I have one pen of 65 hens with

only one cockerel and have just had a hatch of 12 chicks from 14 eggs from this pen." The 20x20 ft. open-front house with from 100 to 125 layers and breeders in the flock is becoming a popular unit with breeders of utility fowl in the American classes and reports of egg yield and fertility are uniformly good.

**Off-Colored Yolk.**

Q. I have a fine flock of S. C. White Leghorns. Eggs are gathered once a day and when kept are in a temperature of about 60 degrees for not more than 5 days. A few eggs are blood stained and unfit for use. What is the cause of the yolk of an egg being almost white? E. P. F.

West Park, O.

A. You will always be likely to get a few eggs that are blood stained and unsalable. It can't be helped. As to color of egg yolk, some birds habitually lay eggs with off colored yolks. Such specimens are not helped much by special feeding. With the run of the flock you will usually find that feeding an abundance of fresh green food, particularly fresh cut clover and alfalfa, helps to put a rich golden color into the yolks. Fresh cut green corn fodder is also a help, as also are an abundance of insects and worms on range.

Good meat food, with yellow corn and an abundance of greens, helps to color yolks. Range on clean marsh or bog land is also a help in getting color into egg yolks. With some flocks running on salt marsh land we have found yolks so red that the customers complained of them as being too highly colored.

**Forcing the Molt.**

Q. My hens are molting and I want to force the molt. Want to get them through as quickly as possible. Please give directions for feeding to force the molt. T. B. T.

Richmond, Va.

A. We do not advise forcing the molt. We believe that such practice does more harm than good. Frequently when molt is forced a second molt comes a few weeks or months later. Don't try to force the molt. Let them molt naturally and normally.

You will get best results in molt if you turn your birds out in an orchard or pine grove during the hot months and let them roost in the trees. In Virginia you could leave them out until well into November before housing again. When you house them put them in an open-front house. Feed your fowls well on a good variety of sound grains, an abundance of green food, plenty of some good meat food, and let them live in the open air as much as your climate will permit and you will have no reason for wishing to force the molt. With us, yearlings, that molted naturally in the open, went into winter quarters last season looking as trim and neat as pullets.

**Eye Troubles in Chicks.**

Q.—I have about 40 chicks four weeks old. Out of this bunch there are four that have eye trouble. The lids stick shut. There may be a little swelling, but not much, and otherwise there does not seem to be anything wrong. I have two varieties and the affected chicks are all the same kind. I grease the eyes with vaseline and get the lids open, then the chick eats all right. They are apparently in good health. Next morning I have to treat them again. None of the rest are affected. Eyes only look about half open. Charles City, Iowa. G. H.

A.—Trouble is ophthalmia. May be result of hereditary predisposition. May be due to malformed eyes (a not infrequent occurrence in incubator chicks). Usually bathing the eyes with warm water, followed by dropping a few drops of a 5 per cent solution of protargol in the eyes, gives satisfactory results. In case of malformation of eyelids, where one corner is grown together and will not open, nicking the lid at affected point with blunt pointed scissors will be followed by improvement.

**Inbreeding.**

Q.—Is it correct breeding to mate brother and sister? I want to mate a cockerel and seven pullets from a sitting of eggs secured from one of the most prominent breeders in this coun-

**DIRK'S RED MITE KILLER**

One application kills all mites and prevents their reappearance during the season. Keeps fowls free from body lice. Makes scaly legs bright and clean. Keeps lard, pastry and sweets free from ants. Write today for special trial price.  
**M. E. DIRK, Box 102, North Baltimore, Ohio**  
Marshall & Marshall, Niagara Falls, Ont., Distributors for Canada.

# French's Poultry Mustard

The Original Poultry Mustard—Absolutely Pure—Patent Applied For

## For the Moulting Season

Its superior qualities and benefits are most noticeable, "Use it freely during the moult." Rapid moulting like rapid growth are both essential for best results. Use it now.

### Old and Young Thrive on It

Experiments here and in England have proven its value. It is used and recommended by thousands of poultrymen. It is not the amount of food a hen eats, but the nutriment, she extracts from food by the digestive process that supplies all natures demands and produces eggs.

### BEWARE OF IMITATIONS

#### Insist on Having French's Poultry Mustard

Sold in Sealed Packages Only

French's Poultry Mustard is a scientifically manufactured article containing the flours of different mustard seeds so blended to produce the greatest strength in the volatile principle that is desired, and is required to produce the fortunate results arrived at by the users. We regret there are imitations and inferior brands offered so see to it and accept only "FRENCH'S."

A teaspoonful to six to twelve fowls fed daily in dry or wet mash. Booklet for the asking.

#### Used Exclusively by the President of the A. P. A.

Amenia, N. Y., July 10, 1913.

The R. T. French Company, Rochester, N. Y.

Gentlemen:—French's Poultry Mustard has given me most satisfactory results, have used it two years through the moulting season and am pleased with its value as a stimulant during this period and an aid in rapid moulting, restorer of energy and an assurance of greater egg production. I fully believe there is nothing just as good as "French's Poultry Mustard" for fine birds and greatest possible results. The "Ringlets" are better than ever.

Yours very truly, E. B. Thompson.

French's Poultry Mustard is sold by dealers everywhere. If your dealer does not handle it, send us his name and we will fill your order direct. French's Poultry Mustard is sold at 20 cents per pound in six and ten-pound boxes and 25 pound kegs. Sample package, 1½ pounds, 35 cents.

The R. T. French Company, Dept. A, Rochester, New York



try. I am endeavoring to improve my stock each year and I don't want to make a mistake. If it is all right to mate brother and sister, how must I mate them next season?

I have three cockerels from the setting of eggs referred to and expect to select the best for the best pen No. 1. Then I expect to mate one of these cockerels to about a dozen pullets selected from seventy I have raised this year. There being no blood relation here, I suppose this pen No. 2 mating will be all right.

S. O. I.  
Charleston, S. C.

A.—If your birds are all good, sound, healthy specimens you might mate them successfully as you propose and not observe any harmful results. It is frequently done. You are not at all certain that these birds are full brothers and sisters, in all probability. In case they happen to be so closely related, and in event of their having similar faults, you are very likely to get an exaggeration of the faults in their offspring. If we had the flock you have, we would not mate the brothers and sisters, for we do not approve of close inbreeding, even when we fail to see the resulting harm in some given case. We would much prefer to take the best cockerels and select for them mates among your best pullets out of the unrelated flock of 70. Would also select the very best cockerel of your own raising to mate with the seven pullets. If the results are excellent you may wish to continue the same matings for another season. Should you wish to split the flocks up into all new matings you will have an abundance of remotely related blood to select from and you can also make up a pen with birds grown from eggs bought from other good yards.

A good many ardent advocates of close inbreeding go outside their own

strains for new blood more frequently than is supposed. There also is abundant reason to believe that the evil attending the crossing of different strains of the same variety has been a good deal exaggerated. The man who will persistently and consistently follow selective breeding through carefully conducted outcrossing will, we believe, hold size, vigor, health and productivity. There is ample evidence, for those who are willing to see it, that continued close inbreeding results in lessened production, smaller eggs, poor fertility and a greatly reduced disease resisting power.

We know of a certain strain of winners in an American class that a little more than a dozen years ago was very well and favorably known. In an endeavor to hold show type in the majority of the progeny, generation after generation was closely inbred. Today that strain is only a memory. It has ceased to exist. Loss of disease resisting power was the first noticeable trouble in this strain. Tuberculosis and cancer attacked it. The birds raised began each season to lose a little in size. Egg production fell off and the eggs came smaller in size. Each year the number of chicks dead in the shell increased and the chicks were more difficult to rear. Finally certain matings proved absolutely sterile and the owner became disgusted and turned his attention to other things. We doubt if the most ardent advocate of in-and-inbreeding can demonstrate that such practice has ever promoted health, increased size, helped productivity, or done anything more than to help fix certain "beauty" family characteristics. It is easy to demonstrate the beneficial effects of an out-cross, as they are usually immediate and pronounced, if good judgment has been used in the mating. There will probably be a small loss in percentage of

good type and color, but isn't it worth the price?

#### Killing Sick Fowls.

Q.—Why do you so frequently advise killing sick fowls? Why not treat them as you would human beings when sick—or perhaps that is your idea?

Portland, Me.

Subscriber.

A.—While animals frequently respond to treatment in sickness similar to that given human beings, we fail to see why you wish to couple the treatment of sick persons and sick animals just for sake of argument. You would kill and eat a healthy animal, would you not, if you wanted it for food—but would you resort to cannibalism?

Unless a fowl is quite valuable it is usually a waste of time and money to doctor it, except for very simple easily cured ailments. A sick fowl, that is, a very sick fowl, seldom makes a really good recovery and a very sick chick almost never recovers. It saves time and money for the owner and generally much misery and suffering for the bird to kill the bird bloodlessly when it is found to be very sick, and to then cremate the carcass. By so doing the danger of infection of the other members of the flock is greatly lessened. Usually the ordinary observer does not realize that a fowl or chick is sick until it is very sick and often not until it has progressed so far with the disease as to be incurable or nearly so.

The poultryman who "swats" the sick fowl or chick promptly, instead of spending days and weeks doctoring and doping and establishing a poultry hospital, is usually the most successful man. He has more time to give to the well ones and more money, because he will not waste it fussing with doctoring very sick birds.

Sometimes, when simple, easily cured ailments attack a flock and are prompt-

**When Buying R. I. Reds** Buy the best. Kaufmann & Windheim's famous strain. Page 1181.

## Byers' Strain Orpingtons

**BUFF, BLACK AND PEARL WHITE**—It is not possible for one breeder to own all the best birds, but it is possible for him to give the best values and service when he has an established and reliable strain on a par with the best possible and in sufficient numbers to warrant the sale of the best without handicap to himself. I occupy this position in the matter of

#### SERVICE TO YOU

And I propose to maintain it, because upon your perfect satisfaction depends my success. This is a straightforward proposition directed to all conservative and careful prospective purchasers of Orpingtons. Catalogue and special Fall sale list free. Communicate with me regarding an advance order for show birds to win next Fall or Winter, to be delivered when wanted in perfect condition and training. A small deposit will insure reservation. Early purchasers will secure my best values selected from hundreds of the finest birds I have ever owned. I have as many high grade sale birds as the other fellow. So it's all a matter of service to you that counts in the consideration of this or any other ad. I know my standard of service is not excelled by any breeder in the land and your patronage is solicited in view of this reliable assurance.

**C. S. Byers, Orpington Specialist 15 Years, Hazelrigg, Indiana**

## Myers' Exhibition Barred Rock Females

MADISON SQUARE GARDEN, N. Y., WINNERS 1912-13—EXHIBITION FEMALES MY SPECIALTY—PULLET BRED MALES FROM N. Y. WINNING FEMALES

At the late great Madison Square Garden, N. Y., Show, my birds shown by myself won first hen, second pullet and shape special female. This year birds of my breeding also won at Philadelphia, Hagerstown, etc. They have been winning for years and are better today than than ever. **FOR SALE**—Early hatched pullets and pullet bred cockerels fit to win the early shows. I have an unusually large and fine lot of these early hatched birds of the best of New York winning blood that have the quality in form and barring. Let me price your wants. My breeding cockerels are of highest quality, strong and vigorous. They will please, absolute satisfaction to all. Write me.

**C. N. Myers : Box A : Hanover, Pennsylvania**



ly recognized, a little commonsense attention and easily applied treatment gives prompt relief and satisfactory results. Such treatment is always good practice. We don't believe in swatting every sick bird, but we very much doubt the wisdom of dosing and doping or doctoring in a good many cases. It takes a little horse sense to know when to treat and when to swat. Bear in mind, too, that generally the fowl is not worth over \$2, if well and healthy, that sick its market value is really nothing, and also that it does not take long to spend \$5 worth of time and medicine fussing with a sick specimen. Sometimes the so-called "cured" specimen is ever afterward unfit for breeding and it may not be very good to look at. The question to ask yourself is, is it worth the cost?

As to further response to your little dig concerning human beings, we don't believe in killing human beings at all. The factories and the railroads are gradually acquiring a monopoly of that sort of thing and are rather overdoing it. But does it occur to you that there are many cases of record in history where a useful, valuable life and great mind had to go through "this vale of tears" in a diseased body? Do you know of any great value or benefit to mankind to be secured through keeping life in the carcass of a diseased fowl? Scientists now state that maudlin sentiment concerning the lower animals is a manifestation of a disease of the mind. How about it?

In killing sick fowls, don't use a knife or axe. Let the killing be bloodless, for in scattering the blood of a diseased bird you are liable to scatter the seed of infection. Either kill by dislocating the neck or by a sharp blow

with a wooden "billy." Then do not fail to burn the carcass. If you perform a post mortem, use newspapers to cover the operating table and burn every scrap, blood and all, after the operation is over. You can not be too careful in this regard.

#### Egg Yield.

Q. I am a great lover of chickens and have got into the business at last, though not very strong yet. Have started with Anconas and they look good to me. I read A. P. J. every month and it is a great help to beginners. Can you tell me how many eggs a fowl will lay in its lifetime? A friend told me that no matter what kind of chicken it could not lay more than 286 eggs in a lifetime and he claimed he got that report from Washington, D. C.

T. W.

Minneapolis, Minn.

A. Your friend is mistaken. There is a White Plymouth Rock hen of record that produced 281 eggs in one year at the Missouri Experiment Station in the National Laying Contest. A Barred Rock at Guelph, Canada, made a record of 282 eggs in twelve months. They did not stop laying after making the record. There are a good many breeders who should be able to produce authentic records of individual hens for two or three laying seasons showing 400, 500 or more eggs produced by an individual in that period. There is a published record of a Leghorn hen that in seven years laid a total of 969 eggs. A Braekel hen is reported as laying 606 eggs in four years. The lifetime of a hen depends a good deal upon the purpose for which she is kept. If for fancy purposes she may be kept as long as she will produce hatchable eggs.

If for market she will generally not be kept for more than two or at most three laying seasons. Usually the first year of laying is the best and the decrease each season in productivity is considerable. While it is probable that comparatively few hens actually produce more than 400 eggs in a lifetime as they are allowed to live it, there are records of Brahmas, Cochins, Plymouth Rocks and some smaller varieties which go beyond the 400 egg mark. Actual count of seed eggs in ovaries made at Maine Experiment Station show that the number of seed eggs ranges from 586 to 3,605 per hen, though a very large percentage of these never develop. Notwithstanding the records it is well to remember that it is a good hen that lays 12 dozen eggs or more in a year and if she equals or betters this performance her second season she is a very good and profitable hen.

#### Age of Reds for Breeders.

Q. (1) At what age can a Rhode Island Red male be used with success as a breeder?

A. (1) When fully matured, which is usually when one year old. Sometimes specimens 10 months old are sufficiently matured to breed well. Would not care to use a male over 4 years old, even if very good, and would give the preference to one and two year old breeding males.

Q. (2) Is line breeding in small flocks profitable for egg production? Attica, N. Y.

E. E. P.

A. (2) Line breeding as it is generally accepted is carefully systematized inbreeding for the fixing of certain fancy points. If you want eggs and an abundance of them, don't inbreed.

## Did you touch second base? If not hurry to back inside cover JACOBUS' SILVER AND GOLDEN CAMPINES

Exceptionally fine bargains in both old and young stock. My book "Campines by Jacobus" free unless you prefer to send postage.

M. R. JACOBUS

BOX 3-J

RIDGEFIELD, NEW JERSEY

## YOUNG'S STRAIN S. C. WHITE LEGHORNS

(I HAVE NO OTHER BREEDS)

My strain again won every prize and special offered at the world's greatest show, Madison Square Garden, New York, January, 1913. My individual winnings were:

Cocks 1-3-4-5-6, Hens 2-4-5-6-7, Cockerels 1-2-3-6-7, Pullets 1-3-5, Pens 3-5

In fact, for the past ten years, my strain has won in every show of any note in the United States and Canada. They are the standard for all the Leghorns of all America, and the greatest layers of all varieties of domestic fowl. I have hundreds of yearling hens, from \$2.00 per head up for sale. (Remember you cannot win without my strain.) Mating list free. Address

D. W. YOUNG

MONROE, NEW YORK

## GREAT COLISEUM POULTRY SHOW

AT CHICAGO, ILLINOIS

Fifth Annual Exhibition--December 12, 13, 14, 15, 16, 1913

Our Past Record--Four of the most successful shows ever held in America. Our Aim--The world's greatest poultry exhibition. We have paid more premiums and put on more real down-to-the-minute features than any other show in America or abroad. We lead, others follow. If a feature is good, you will always find us first to introduce it. Nearly every act of the Coliseum show has been followed by other successful exhibitions. Look for our 1913 list; it surpasses all the rest. No Risk, No Chances, Everything Guaranteed--We, the undersigned stockholders, pledge ourselves, individually and collectively, to pay every premium offered by us that is won by the exhibitors: Ernest Kellerstrass, Reese V. Hicks, E. E. Richards, Frank Hare, Geo. H. Rudy, Jas. W. Bell, A. and E. Tarbox, D. M. Palmer, J. C. Dinsmore, H. C. Dippel, C. S. Byers, Chas. G. Pape, A. E. Martz, Wm. A. Stolls, C. C. Coulter, Wm. A. Sibley, Theo. Hewes. Premium list Nov. 1st. Entries close Nov. 25. Your name on a card addressed to the secretary will guarantee that list will be mailed on time.

Theo. Hewes, Secretary

Indianapolis, Indiana



**Andrews' White Wyandottes.**

J. W. Andrews, of Dighton, Mass., has raised an exceptional fine lot of chicks this year and they already begin to show quality, which will help to keep up the reputation of Andrews' White Wyandottes as one of the greatest winning strains ever produced. Mr. Andrews has bred and shown White Wyandottes now for nearly 20 years and the record he has established at Boston, of having shown there every year for past 16 years, and winning first pens six times out of last seven times exhibited and having first and second cockerel three years in succession is a record no other breeder of White Wyandottes ever equaled.

Mr. Andrews is in fine condition to take care of his customers this coming season in both show and breeding birds. Those desiring show birds for the coming shows will do well to book orders early, as he will not sell two parties to compete against each other in same class at one show. His years of experience in breeding, judging and exhibiting will prove of great value to his customers.

**C. N. Myers, Hanover, Pa.**

We just have a little reminder from Mr. Myers that brings back to memory our visit to his home and poultry plant last spring. As is well known Mr. Myers exhibited but a few of his birds at the last M. S. Garden New York show, as he says, just to see how strong they were. Well, the results proved them strong, for he won first hen, second pullet and female shape special. This splendid showing aroused our curiosity and we were quick to accept his invitation to call.

At his home place we found a modern plant all devoted to the breeding of exhibition Barred Plymouth Rock females, and in his pens a general high average of birds that greatly pleased us. At the time we mentioned his matings and now in his letter we find the expected news that he has a large and grand flock of promising birds.

Mr. Myers is a careful breeder who studies results and his success is his own due. He has succeeded in breeding a line of value, for they have the breeding quality bred right in them which assures them reliable.

He has a great many early hatched birds and is offering for sale pullets and pullet bred cockerels fit to win the early shows. We have every confidence in Mr. Myers and in his birds. Write him your wants and mention A. P. J. H. P. Schwab.

A visit to the Iowa Farm's Poultry Department at Davenport, Iowa, finds their orchard range covered with youngsters from six to two months old. We see in each group the true Orpington type, with big bone, short leg, full deep breast, low spread tail, wonderful combs and eyes. Cockerels almost up to Standard weight and pullets looking like hens, some of the latter already laying. In the laying and breeding houses and yards the females are well advanced in their moult; many of them will be in excellent plumage for the early shows. We find here many fine specimens of the White Orpington hen of one and two years old. In the male paddocks, well shaded, are forty to fifty cocks, resting during the hot summer season. Viewing these cocks and hens, winners at last season's shows and unshown birds equally qualified to wear ribbons, we were not surprised at the numbers of grand typical Orpington youngsters found on the range. Dr. Bryant Smith, the manager, informs us that they have for sale at very reasonable prices a hundred or more breeders and they can mate some wonderful pens of any number of birds. They can supply superb cockerels and pullets for breeding and exhibition purposes. Each youngster is banded and marked so that blood lines can be maintained and proper matings selected. A visit to the Iowa Farms will well repay the fancier of pure blooded poultry, cattle and pigs.

**Start with a 1200**

Poultrymen who are planning on increasing their plants naturally thing of installing a mammoth incubator.

The man who has one or two small machines may not want to install at first many times his present capacity, and the 1200 exactly meets his requirements.

This is an unusually popular size in the Candee line, hundreds being successfully used throughout the United States and Canada.

The Candee 1200 has four 300-egg compartments, each of which is operated separately like four small machines, except that one coal-burning heater takes the place of the four oil lamps.

The Candee is the only mammoth in which the egg trays are stationary like the small lamp machines. This is because the Candee alone has automatic regulation of the egg chamber heat. That is why it is so successful in Florida and other southern states, as well as the colder sections. These automatic regulators do the work of the hand regulating devices on other mammoths.

The 1200 comes in two crates, already built, and is set up and ready to run in a day. More sections can be added any time and in equally quick time.

The Candee Incubator & Brooder Co., Dept. 2, Eastwood, N. Y., have issued a special booklet on the 1200 which will be sent free upon request and it is worth writing for.

**Aldrich White Orpingtons, Columbus, Ohio.**

We were pleased to meet Mr. Aldrich at the convention, as at the time of our visit to his farm last spring he was away from home. Our former article was devoted to his stock and matings, and at this time we were glad to visit with him and to get the results we so confidently predicted.

Mr. Aldrich assured us that the results of their breeding were most satisfactory, that they now had fully matured young birds and were better than ever before prepared to supply winners and breeders to those wishing them. With a large stock they have revised their prices and assure

satisfaction to every one. Their young were all hatched and raised with hens, which to our mind assures the best.

Later we again hope to visit this farm, for we are again anxious to see this line and with our own eyes note the results attained.—H. P. Schwab.

**What Is a Complete Portable Potter Poultry House?**

Potter portable poultry houses are complete to the last detail. They are made of No. 1 high-grade, clear, red cypress lumber and the construction is as perfect as good material and good workmanship can produce in a factory such as Potter & Co. operate.

The many points of merit of a perfectly built, completely equipped and sanitary poultry house are shown in the illustration above, but to readily appreciate such a house, its convenience, complete and sanitary equipment, perfect construction, etc., you must have it in use.

When you buy a poultry house of this kind you save 90 per cent of the cost of labor because all parts and sections are completely made. All that is required to erect such a house is a hammer, wrench and screw driver. You get better material because all defects are cut out of material before the house sections are constructed.

Any poultry keeper needing additional house room for his birds this fall should investigate the merits of the Potter portable poultry houses and equipment. Potter & Co. have been manufacturing these goods

**THE RAVEN'S ROSE COMB REDS**

Winners at leading shows. Sale of breeding stock and young birds at reasonable prices.  
M. C. De LOOF BOX 171 WILLOUGHBY, OHIO

**Bred Barred Rocks, S. C. Reds TO White and Part. Dottes Win**

More firsts and specials than all other exhibitors combined at Canada Premier Shows in the past ten years. We can win for you. All birds shipped on approval. Write your wants. Mention American Poultry Journal.

**The Woodview Poultry Yards**

W. W. Dods, Supt. London, Canada Jno. Pringle, Prop

**Rose Comb Reds**

Cockerels and pullets won ready. Hundreds of young Reds on free range await our selection. Bred from Boston, Chicago, Pittsburgh, Buffalo and Cleveland winners. Write us your wants in show birds or breeding stock. When writing mention American Poultry Journal.

Simmons & Crittenden : : Geneva, Ohio

**"O. K." Poultry Litter**

TRADE MARK

**WRITE TO-DAY for FREE SAMPLE Because We Know You'll Use Nothing Else THIS FALL**

"O. K." is the most wonderful litter for Hens, Ducks, and Geese. It's cheaper to use and ever so much cheaper than Straw, Clover, Alfalfa, Sawdust, Shavings, or anything else ever thought of for litter.

All the big breeders who try it never go back to anything else because there is nothing else they would use.

**"O. K." LITTER**

**ABSORBS ALL MOISTURE, DRIES up the DROPPINGS, PREVENTS all ODORS**

"O. K." Poultry Litter keeps your houses always dry, clean, sweet-smelling and sanitary. You need no dropping boards, and

**CLEAN HOUSE ONLY ONCE EVERY 3 or 4 mos.**

"O. K." Litter will not BURN. Lice will not come where it is used. TELL US HOW MUCH POULTRY YOU KEEP—WE WILL TELL YOU HOW MUCH "O. K." LITTER YOU NEED.

Write to-day for the free sample and printed matter. You need them both.

**O. K. COMPANY,**  
Dept. 183, 157 Water Street  
**NEW YORK CITY**





over twelve years and thousands of poultry keepers are numbered among their satisfied customers. Refer to their ad in this paper and write them asking for their 132-page complete catalog, and send 4 cents in stamps to cover postage. The correct address of Potter & Co. is Box E 21, Downers Grove, Ill.

### Miss Carey, Toynnton, Spilsby, England.

Miss Carey is paying America her second visit and exhibiting a line of her Orpingtons, Campines, Paverolles, Bantams and dogs at the International Exposition at Atlantic City, and attending the A. P. A. Convention. This little lady, with her skill in breeding and writing, has become well known to our breeders and we would wish that all could meet her as we did here among her stock. She is very interesting indeed.

Here she was showing a young pen of Buff Orpingtons that by their exquisite quality attracted special attention. We handled this pen, the sound golden-buff, with size and shape, were all we could desire. Campines were also seen to advantage, and after their long trip across the Atlantic were in rare condition.

Miss Carey assured us of her ability to supply not only all varieties of poultry and Bantams, but also of rare-bred English dogs, and we would advise our readers having wants to address her.—H. P. Schwab.

Mr. O. F. Mittendorf, Lincoln, Ill., the Bred-to-Lay Barred Plymouth Rock specialist, informs us he has had a very satisfactory season both in the sale of stock and eggs—in fact, the demand for breeders after the egg season was over was so heavy that he has sold all the surplus to spare. How-

ever, in young stock he has to offer for sale about 500 head of February, March and April hatch stock from his heavy laying strain. That the world at large is awakening to the importance of heavy egg-producing stock is evidenced by the fact that Mr. Mittendorf has sold to a customer in Sydney, N. S. W., Australia, a lot of seven adult Bred-to-Lay Barred Plymouth Rocks. This shipment went by way of Vancouver, B. C., and sailed on the ship Makura on August 6 and due in Sydney August 30. We congratulate Mr. Mittendorf on his growing business.

### Death of J. Merton Taylor.

The death of J. Merton Taylor, president of the Taylor Instrument Companies of Rochester, N. Y., occurred at 1:30 o'clock on the morning of July 31, at the Rochester General Hospital, following a short illness.

Mr. Taylor had attended the annual outing of the salesforce of this company on Wednesday, the 22nd of July, and appeared to be in the best of health and spirits on that occasion. The following Thursday, however, he was taken ill, and removed to the Rochester General Hospital for an operation. Complications set in, and death was caused from stoppage of the gall duct.

Mr. Taylor was born in Rochester 57 years ago, and was the son of the late George Taylor, founder of the Taylor Instrument Companies, manufacturers of thermometers, barometers and other scientific instruments. Mr. Taylor became president of the Taylor Instrument Companies in 1910, and was an example of the highest type of business man, and as such was respected and held in highest esteem in the business world.

He was a man of sterling character, of modest and retiring disposition, a liberal

but unostentatious contributor to charity, and a man of strong friendships. His death is a distinct loss to the city of Rochester, and not only to the immediate business with which he was associated as an officer, but to the field of scientific instrument making at large.

Owing to the suddenness of his passing away it was a great shock, not only to his family and intimate friends, but to his employees and a large circle of business associates and friends. Besides his wife, Mrs. Mary Smith Taylor, he leaves two daughters, one brother and two sisters. Out of respect to Mr. Taylor the Taylor Instrument Companies' plant was closed from Thursday morning, when announcement of his death was made public, until the following Monday. The funeral was held on Saturday afternoon, August 2.

At a meeting of the board of directors of the Taylor Instrument Companies, held August 1, 1913, the following resolution was adopted:

"In sadness we have gathered today to take action upon the death of our president, Mr. J. Merton Taylor, who has been taken from his activities with a suddenness that challenges our belief.

"It seems almost impossible to believe that this great personality that for so many years had planned and administered the affairs of this corporation with a strength that seemed unlimited, has been cut down while so many of his allotted years were yet before him, while his life was so useful to so many, while his co-operation and guidance were so necessary to us.

"It is no disparagement of his business associates to say that his was the master mind, that his conclusions were the final word in all our deliberations.

"Strong in candor, patient in deliberation, just in purpose and unselfish in conclusion, he was an example and an inspiration to us all.

"His business sense was instinctive, his judgment remarkably unerring, and he believed that commercial dealings should be controlled by the same rule of common honesty that should govern private action.

"He could see no success worth striving for that did not include benefits to all connected with the enterprise, and at every meeting of this board his presence was a guaranty that the advantage of the employees would be carefully considered in any discussion of business policies.

"The employees were to him fellow-workers in a common purpose, and to them he was indeed the big brother. They came to him with their cares and he listened with sympathy and responded practically.

"To him every employee of the company was a man and a brother, whether he worked in the office, at the bench or on the road. His death is a great loss to us all.

"Our hope now is that we may carry on the work of this company in accord with his high purpose.

"As a business associate, we were wrapped up in him, his character we admired, his manhood we loved, and those who knew him best loved him most."

### A Great Win in Buff Orpingtons.

The classes were large and the competition very keen at the Greater New York Show just held, August 6, 1913. Particularly was this true of the Buff Orpington class, in which variety Mr. I. Brooks Clarke, Department C, Newark, N. J., had a cockerel and pullet placed.

Mr. Clarke's birds were remarkable for size, the cockerel weighing 7½ pounds and the pullet 6 pounds. Mr. Clarke informs us he has a lot of these large, early batched cockerels and pullets having size, type and color, and that he is prepared to furnish winners for any show at very reasonable prices. Look up his ad elsewhere in this issue.

### A 3-Month Trial Subscription

To Reliable Poultry Journal, only 10 cents. Stamps are acceptable. Or, send for free sample copy of the most helpful poultry paper published. Address, Reliable Poultry Journal Pub. Co., Box E-13, Quincy, Ill.

### Poultry Judging Course.

The Hewes-Pierce School of Poultry Judging, that has turned out a number of the best judges in the United States today, will hold its regular course at Springfield, Ill., during the week of the State Fair. The birds on exhibition will be used as models and full instruction will be given on all breeds and varieties. The long experience in the show room that these two experts have had, makes their instruction of value to the beginner, and they have the proud distinction of never yet having turned

A "HIRED HAND" that is dependable, willing and always on the job.

## INHOUSE, DAIRY AND BARN

Old Dutch Cleanser cleans in a way that makes other cleaning methods look doubtful.

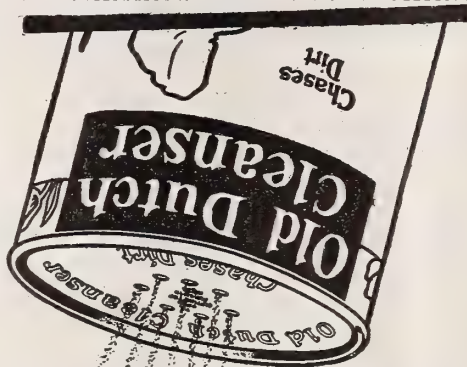
The Old Dutch Cleanser way is a thorough way,

AN EASIER AND QUICKER WAY.

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Many Uses and Directions on Large Sifter Can—10c

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The Best  
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out a failure, while students in their school have been in demand and have made good in all sections of the United States. For full information write to Theo. Hewes or W. C. Pierce, Indianapolis, Ind.

### A Free Sample Copy

Of the Reliable Poultry Journal, one of the most practical and helpful poultry papers published, will be mailed upon receipt of a postal card request.

A 3-months' trial subscription will cost you only ten cents. Stamps are acceptable. Address Reliable Poultry Journal Pub. Co., Box E-13, Quincy, Ill.

### Among the Breeders.

Ira C. Keller, proprietor of Brookside Stock Farms, Prospect, Ohio, is offering a large number of choice Golden and Silver Wyandottes at about half their actual value. These birds were used in his matings the past season, and among them are many of his winners. He is making this sacrifice sale in order to have room for his young stock. He has been fortunate this season in raising a large number over former years and is therefore in good shape to take care of his trade for birds for early fall and winter shows. He also reports having raised a grand lot of Seabright Bantams this season. Look up his ad in this issue and write him for full particulars.

J. L. Brown, proprietor Canada's White Rock Farm, Seaforth, Ont., Can., raised all this season's chicks with hens, on free range, in a forest of 25 acres, and believes that chicks raised in this way are, without doubt, the best that can be raised, and he informs us that his chicks this season are far ahead of even his fondest hopes, and he is now in a position to supply birds for either exhibition or breeding purposes. Write him for full particulars and mention American Poultry Journal.

F. E. Skinner, Sandwich, Ill., breeder of White Wyandottes, reports that he has about 150 young birds of the very grandest quality, being low down, blocky type and absolutely snow-white. He also has a number of one-year-old cock birds that are fit to compete in fast company and get inside of the winnings. Among them are 1-2-4 cockerels at Aurora, Ill., January, 1913, and the grand bird that headed the second pen at Indianapolis, January, 1913. He also has about 50 one-year-old hens, mostly birds that have been in his breeding pens the past season. True Wyandotte type and snow-white. These will be sold at reasonable prices. Write him for particulars and mention American Poultry Journal.

Chas. Nixon, Washington, N. J., the well known White Wyandotte breeder, is in better shape than ever before to furnish birds that will win the blue. For the past twenty years Mr. Nixon has devoted his time in improving and breeding White Wyandottes of standard type, and he has in the past produced birds that have won at New York, Philadelphia, Boston and other shows of like character. He has been a continuous advertiser in American Poultry Journal for the past fifteen years, and during that time has given entire satisfaction to all those with whom he has transacted business, and he has sold stock and eggs to a great many subscribers of American Poultry Journal, who have thus been enabled to win prizes with his strain at the leading shows in the country. He is a man that does not believe in standing still and is therefore constantly working to improve his stock, and in a recent conversation informed us that his stock this season is better than ever before. Any one who is looking for something that will improve his stock, or win prizes for him, should communicate with Mr. Nixon.

J. S. Frazier, Advance, Ind., the well known breeder of S. C. Buff Orpingtons, informs us that he has nearly 1,000 youngsters hatched from his prize winners at Indianapolis, Springfield and Louisville in 1912 and 1913. He has many January hatched chicks that are now up to standard weight and is looking forward to a very prosperous trade for the fall and winter shows. Mr. Frazier has been breeding Buffs exclusively for thirteen years. His stock has free range on a 120-acre farm, therefore are healthy and of the proper size. He has 100 yearling hens and 15 cocks for sale from his selected breeders the past season. These he is offering at remarkably low prices to make room for his younger stock.

C. A. Keefer, Muskegon, Mich., breeder of Buff and White Orpingtons and Silver Campines, informs us that both his yearlings and youngsters are coming along in fine

shape. He did not raise as many chicks this season as usual, but what he did raise are top-notchers. He will have some grand show specimens of both Buff and White Orpingtons for the season's trade. In Silver Campines he has some crackjacks that will be heard from later on.

Fred A. Andrews, proprietor of High-worth Poultry Yards, London, Ont., Can., writes us as follows: "I have more and better young stock this season than ever before, in my two varieties, White Orpingtons and White Rocks. A few pens for sale of last year's breeders, in both varieties, five birds in each, one male and five females. These are great bargains. Early young stock for the best shows ready now. I had 1913 hatched pullets laying on June 11. Strictly high-class pullets and cockerels at reasonable prices, quality considered. Birds from my yards have won at Madison Square, Chicago, St. Louis, New York State Fair, Detroit, Toronto, also in New Zealand and England. See my winnings at Canadian National Exhibition, Toronto, 1913. In twelve years of business, every customer has been satisfied. This is evidence that my stock is right."

Chas. Nixon, Washington, N. J., the well known judge and breeder of White Wyandottes, in a recent communication, made the following statement: "I am just rounding out my twentieth year in the Wyandotte business, and it has been one of my very best seasons, and a good big majority of the credit must go to the American. It certainly has been a business getter for me."

John S. Martin, Port Dover, Ont., Can., the well known breeder of Regal Strain White Wyandottes, in a recent communication says: "I have over 500 early-hatched cockerels and pullets to select from. They

are the finest I have ever raised. I am in shape to supply first prize winners for any show in America, as most of these chicks are sired by my first prize winning males at Boston and New York State Fair. I have also over one hundred of last year's breeders still for sale and am in a splendid position to take care of any orders that may come." During the past several years Mr. Martin has been a heavy winner at American shows, such as Boston, New York, Buffalo, etc., and for square dealing has established a reputation second to none. Any one desiring show birds or breeding stock that will improve their flock should communicate with Mr. Martin.

Maple Farm of Midlothian, Tinley Park, Ill., make a specialty of White Plymouth Rocks. They have 1,500 White Plymouth Rocks maturing in their cornfields and clover fields that speak volumes for their matings of the past season. Never before have they had such good birds, and if they continue to keep up the high quality of this season's offerings they certainly should feel well satisfied with the results. They have a number of pullets and also a number of exceptionally fine cockerels to offer this fall, any of which are good enough to go into the best flocks of the country. During the month of September, they must close out almost all of their yearling hens and are therefore making very attractive prices to move them quickly. These are not culled in any sense of the word, but are strong utility birds that will do good work for the man that owns them. Write them for full particulars and mention American Poultry Journal.

The Woodview Poultry Yards, London, Ont., Can., breeders of Barred Plymouth Rocks, S. C. Rhode Island Reds, Crystal White Wyandottes and R. C. Black Minor-

## MONMOUTH FARMS S. C. White and Buff Leghorns

MONMOUTH BUFFS have won first prize pen at Madison Square Garden for the past five consecutive years—a record unequalled by any other leghorns. Monmouth Whites took champion cock of show—and 50 other prizes from 60 entries at Atlanta, 1912.

Why waste your time, patience and money on unreliable experiments when you can buy Monmouth Stock at the following prices?

S. C. White yearling hens, \$1.75 each; in hundred lots, \$1.50 each. S. C. White 2 year old hens, \$1.50 each; in hundred lots, \$1.25 each. S. C. Buff 1 and 2 year old hens, \$1.75 to \$2.50 each.

We also have a fine lot of young exhibition stock in perfect condition for early fall fairs. Prices given by mail.

Beautiful catalogue including colored illustrations sent on request.

"The Twentieth Century Dual Purpose Fowl"

J. C. Punderford, Owner  
Monmouth Farms, Thos. Lockwood, Supt. Box 23, Freneau, Mon. Co., N. J.

## WEBSTER FARM MADISON SQUARE GARDEN, N. Y., CHAMPION WHITE PLYMOUTH ROCKS

**BREEDERS NOW FOR SALE** We have a selected lot of choice quality breeders in cocks, cockerels, hens and pullets. Just the kind you want to breed from at extra short season prices. Write us your wants and let us quote prices. Special prices for mated pens, trios or larger lots. Write right now and don't miss this opportunity to improve your stock and assure your success.

### Remember This "Champion" Line

Made its records at America's greatest show and last season won at Cleveland, Philadelphia and Williamsport—ten firsts, four seconds, four thirds, twelve specials, etc. "The best record ever made by any line." For they include five specials for best birds in class and at the show.

Webster Farm, Box A, Girard, Pennsylvania

## Lichtenwalter's Quality Buff Ply. Rocks

Winners last season at Madison Square Garden, New York, Springfield, Illinois, (club show) Philadelphia, Cleveland, Williamsport, etc. I am closing out half of my breeders. Mated birds a specialty. Write me your wants. Mention American Poultry Journal when writing.

E. A. Lichtenwalter : Box A : Girard, Pennsylvania



cas, inform us that they recently purchased the entire flock of Partridge Wyandottes of Adams Bros., London, Ont., Can. Among this flock are perhaps some of the best specimens in existence and include the first prize pullet at Madison Square Garden, January, 1912, and 1-2-3 cock, 1-2-4 hen, 2-3 cockerel, 1-3-4 pullet at the Ontario, and many other noted winners. They have about 800 of the finest youngsters they ever raised in B. P. Rocks, White Wyandottes and S. C. Reds, and will be in a position to supply winners for any show in America at reasonable prices. They have already sold birds for several of the large fall shows, and, as inquiries are coming in very rapidly, they have good reason to look forward to a record-breaking trade during the fall and winter months. Write them for further particulars and mention American Poultry Journal.

Lester Tompkins, Concord, Mass., originator of Tompkins strain of Rhode Island Reds, writes as follows: "I have 2,500 youngsters coming on and they look as thrifty as any I ever raised. The quality is certainly way ahead of anything I ever yet produced. Some of them will be ready for showing soon and some will be ready for the fall fairs and others coming along for the later winter shows at all times, as I have them of different ages. I am in a position to supply the trade with the best quality possible to produce."

Webster Farm's White Rocks are better than ever and they are prepared to furnish winners for the early fall and winter shows, in cocks, hens, cockerels and pullets. Write for guaranteed winners to Webster Farm, Girard, Pa.

E. H. Lichtenwalter, Girard, Pa., the well known breeder of Buff Plymouth Rocks, informs us that he has better quality than ever before in this variety and is prepared to furnish birds for the early fall and winter shows in cocks, hens, cockerels and pullets. Write him for guaranteed winners and mention American Poultry Journal.

Ross Swartout, Newport, Ont., Can., the well known breeder of Canada's Champion R. C. Black Minorcas, writes us that he is in splendid shape this season to supply the wants of those who desire something extra good in R. C. Black Minorcas, as he has a

fine lot of cocks, hens, cockerels and pullets now ready for the fall and winter shows. Mr. Swartout has been the leading exhibitor at the Guelph, Ont., Show for the past three seasons, and at the last New York Show he won three out of five firsts, also best display. At Scranton, Pa., January, 1912, at the Club Show, he won four out of five firsts, this being the largest class of Minorcas ever shown. He also received a medal for the best male in the show. This was won by "Perfection," his \$1,000 cock bird. Any one desiring show specimens or breeding stock should get into communication with Mr. Swartout at once.

H. W. Halbach, Waterford, Wis., the well known breeder of White Plymouth Rocks, writes us as follows: "My stock is just splendid. We have had phenomenal results in hatching chicks and when it comes to raising we are miles ahead of any other year. Our chicks show more size, type, pure white plumage and excellent health than any lot we ever had. We are in a position to furnish utility birds that are great layers, show birds to win in any show or breeders that will make good. Just now am offering special, fine utility hens at \$2.00 each. Any one who wants something to fill the egg basket should order at once. It is also time to book show birds so as to be sure to get them." The older readers of American Poultry Journal are well acquainted with Mr. Halbach and his winnings during the past years, but to the newer readers we would state that Mr. Halbach, during the past years, has been a consistent winner at all the large central shows, such as Chicago, Detroit, Springfield, etc. In fact, he generally makes practically a clean sweep wherever he exhibits and any one who has had the pleasure of visiting his farm will confirm us in our statement when we say that Halbach's White Plymouth Rocks are raised under ideal conditions and that Mr. Halbach knows how to produce White Plymouth Rocks that will win, also birds that will lay and pay any one who is fortunate enough to secure some of them. Our readers would do well to take advantage of the bargains he is offering this month. It is like buying gold dollars for 50 cents. Write him and mention American Poultry Journal.

Henrietta E. Hooker, South Hadley, Mass., breeder of Buff and Blue Orpingtons,

reports a fine lot of old hens for sale that are worthy of placing in a show room anywhere, as there are Madison Square, Baltimore and Boston winners among them. She has no cheap stock to dispose of, as all her cheap stock was put on the market and disposed of long ago. She has many promising chicks in both varieties, but these have not as yet put on the finishing touches, but will be there very soon. It would be well to write her for full particulars if you are in the market for any Buff or Blue Orpingtons.

Guy Daily, Jeffersonville, Ind., breeder of White Plymouth Rocks, reports that he has over 1,000 young birds coming on that give promise of being the best he has ever raised. He has pullets that have been hatched since the middle of February, that have been laying since July 10, and cockerels that look almost like old birds. Mr. Daily, during the past two or three years, has made a wonderful record on his White Plymouth Rocks, both at the winter shows and fall fairs. This season he has decided not to exhibit at the fall fairs and is therefore in a position to supply winners for the early shows at prices that the average exhibitor can afford to pay. Write him for particulars, and mention American Poultry Journal.

Charles G. Pape, Ft. Wayne, Ind., the well known breeder of Single-comb Black Minorcas, entered some of his birds at the Greater New York Fair and Exposition, Empire City Park, Yonkers, N. Y., and reports the following winnings: 1-2-3-4 cocks, 2-3-4-5 hens, 1-2-4 cockerels, 1-2-3-4 pullets, also best pen and display. These winnings at this season of the year should readily convince any one that Mr. Pape is in a position to supply show birds that will win in any show in the country. If you are interested in stock that will yield large white eggs and many of them, you should get into communication with Mr. Pape at once. Mr. Pape has been breeding Single-comb Black Minorcas for a great many years and has exhibited his stock at the leading shows in the country, where they always won the lion's share of the prizes. He informs us that he has a large number of choice exhibition and breeding birds this season, and is in a position to supply the wants of the most critical. Write him and mention American Poultry Journal.

## MAPLE FARM WHITE PLYMOUTH ROCKS



TO WIN at the Fall shows you must have the birds that have the quality to put themselves in the outstanding positions. MAPLE FARM OF MIDLOTHIAN has a large number of such birds fit to go in to any show in the country and win the coveted positions.

Write us fully stating the size of the last show, the quality of birds exhibited and give us an approximate idea of what it is worth to win the show. We'll answer the same day telling you frankly whether or not we can help to fulfill your desires.

SEPTEMBER SPECIAL—In order to make room for our pullets we have selected a few yearling utility breeders from our yards. Until disposed of we quote ten of these sterling birds and a Spring cockerel for \$25.00 f. o. b. Midlothian, Illinois. If you cannot come to select your birds, write quick to

**Maple Farm of Midlothian, Box 105, Tinley Park, Illinois**  
CHARLES D. ETINGER, PROPRIETOR      WALTER A. COOK, MANAGER



Mrs. Reginald Stonestreet, proprietor of Park Poultry Yards, Nashville, Tenn., informs us that she has had remarkable success in raising early birds of extremely high quality. She has 400 that will compare with blue ribbon winners of last year. These were culled from 1,600 chicks raised this season. Any one wanting to strengthen their chances for the early shows should surely write her, for she will guarantee them to be in the winning. She is particularly strong on high-class pullets. She also has some cockerels that will make the knowing ones wake up and take notice. She is a breeder of S. C. White Orpingtons a specialty.

Niemann Bros. Mfg. Co., Mt. Olive, Ill., manufacturers of training and exhibition coops, brood, setting and hen houses, fireless brooders, portable hen houses, trap-nests, portable fences and runways, collapsible hen coops, etc., are making arrangements for a big exhibit of their goods at the Illinois State Fair and will demonstrate the use of their coops, etc., with actual fowls in the houses and coops, also chicks in the brooders, and a large display will be made of their collapsible show coops, which show a new feature in this line. They will also exhibit their training coops with the new drawer feature. It would be well for those visiting the fair to take time to examine this display carefully, as such a complete display as this will be has never been seen at any fair or poultry show. The poultry equipment manufactured and sold by this firm has been giving the best of satisfaction during the past several years, which has resulted in the large trade enjoyed by these people. There is probably no other concern in the country that manufactures so complete an outfit for the poultrymen, and their goods are guaranteed to be as represented. Don't fail to see their exhibit at the Illinois State Fair.

Maurice F. Delano, successor to Owen Farms, Vineyard Haven, Mass., reports his first winnings since he became owner of the Owen Farms birds. At the Greater New York Fair he won 20 out of a possible 22 first prizes; all championships, cups and specials offered were awarded his White Orpingtons, White Plymouth Rocks and White Wyandottes. This is without doubt the best record ever made at a national show and in mid-summer. Mr. Delano is in a splendid position to furnish winning birds, either old or young, for any fair or show at any season of the year, and also breeders of the highest class for fancy or for utility purposes. Owen Farms birds have always been heavy winners wherever exhibited, and it is ever Mr. Delano's intention to keep them so. All stock is sold on a guarantee that the birds must please or be returned at his expense and he will cheerfully refund full purchase price. At the present time his flock consists of over 8,000 old and young birds, and he is therefore in a position to furnish just the birds any one desires. Write him today and mention American Poultry Journal.

A. E. Martz, Arcadia, Ind., the well known breeder of S. C. Buff Orpingtons, reports the following winnings at the Greater New York Exposition last month: 1-3 cock, 1 pen, 3-4 hen. Nothing but old birds entered. Mr. Martz's Buff Orpingtons are too well known to the older readers of American Poultry Journal to need any comment from us, but to the new readers we wish to say that the S. C. Buff Orpingtons bred by A. E. Martz of Arcadia, Ind., have been consistent winners at all the leading shows in the Central States for the past several years. Mr. Martz has been an advertiser in our columns for a number of years, during which time he has given nothing but satisfaction to all those who were fortunate enough to do business with him. It has always been his motto to ship fowls a little better than those he described, and by so doing gave his customers more than their money's worth. If you want to win on Buff Orpingtons at the coming shows, you should get into communication with Mr. Martz at once.

J. H. Prudhomme, Thurmont, Md., won five firsts on five entries at the Greater New York Fair and Exposition last month, which included first on Silver Campine cock, cockerel and pullet, and also first on Golden Campine cockerel and pullet. He informs us that he is a little short on domestic birds, but is prepared to take care of all orders with strong, healthful, imported birds in Goldens and Silvers. He says he is receiving a good many inquiries for stock and from present indications there will be a lively business in Campines this fall. Write him for full particulars.

"Bruce Croft," the home of Thoroughbred Orpingtons, Lynbrook, L. I., N. Y., have an

extra lot of attractive birds in Black, White and Buff Orpingtons, and especially in Crystal Whites, more than they have ever had before, and to strengthen the attractiveness of their place they are importing birds from England. One large lot has already been received and two others on the way. They are planning on having imported male birds at the head of all their breeding pens the coming season, or imported females in pens headed by the best males from their own strain this year. They are now disposing of breeding pens good enough for any beginner on earth, at about half the usual price. They are doing this to make room for the imported stock and their growing youngsters. Any one in need of White, Buff or Black Orpingtons should not overlook writing these people.

J. S. Pennington, Plainfield, Ill., breeder of Golden and Buff Wyandottes, informs us that he has about 100 head of one-year-old stock of both varieties that he will dispose of at a reasonable price. He also has 300 head of young stock, many of which are developing into very fine specimens. Mr. Pennington, during the past few years, has made an enviable reputation as a breeder of high-class Golden and Buff Wyandottes, having won many first prizes at the leading shows in the Central States. If you are looking for something in his line that will win at your show, write him for prices and particulars.

Haldie Nicholson, Leominster, Mass., in a recent communication had the following to say: "In Barred Rocks, we have no doubt, the grandest lot we ever owned. We have about 40 yearling cockerels maturing into cocks. Our young stock will be ready for the winter shows, but am afraid we shall have nothing for the early fall shows, as we have had such a demand for eggs the past season that we could get but very few eggs under for ourselves. In Blue Orpingtons the demand and inquiries are greater than ever before. During the past week we sold and booked orders for 27 Blue Orpingtons. We have some Blue cockerels and pullets for the early shows, and also a few matured birds yet for sale, and those who get into the Blue Orpingtons this year will find more business in this breed than any other breed they could get into at the

present time. We shall have in the fall, after they have got through the moult, a few of our best Barred hens, cockerel-bred, for sale. These are all high-grade specimens, and of course the price will be higher."

C. M. Agler, Millbury, Ohio, breeder of S. C. Rhode Island Reds, wrote us recently as follows: "I have the finest bunch of S. C. Red cockerels I have ever seen. Every one who has seen these birds has marveled at their color and shape, and one party has made me an offer of \$100 for the pick of the bunch when they are matured. Every bird I have now is right on his toes and each one looks and acts as though he is the cock-o'-the-walk. These birds will not last long, for we have quite a bunch of Red breeders in this vicinity who are ready to make a grab at them just as soon as they are ready to be disposed of. The early hatched cockerels weigh six pounds now and are getting their adult feathers, and will be ready for the early September fairs."

Gensemer Bros., Creston, Ohio, specialty breeders of Silver and Golden Campines, inform us that they have a fine flock of about 300 head of Campines, about 150 of which are pretty well matured and show exceedingly fine type and markings. They do not care to sell any of the pullets, but will dispose of a number of choice cockerels of both colors. Write them for prices and particulars, and mention American Poultry Journal.

Dr. G. G. Billman, breeder of "Houdans Worth While," now located at Sullivan, Ind., but formerly of Evansville, Ind., informs us that he has raised about twice the number of Houdans this season he has ever raised before, and the quality of the very highest. He states that, barring sickness, death, expense, etc., he expects to be able to give some Houdan breeders a chase for some money in such shows as New York, Chicago, etc., as he is becoming more and more convinced each year that the chicken does not live that equals the Houdan. He has a large number of choice birds now ready for fall and winter shows and will price them right to any one interested.

## Coal-Burning Self-Regulating

Colony Houses are perfectly safe from fire with the Newtown Colony Brooder. 8 cents a day buys sufficient coal for brooding 1,000 to 1,500 chicks in cold weather.



## Newtown Giant Colony Brooder

(Ask your dealer about it)

Fill coal magazine once in 48 hours in the severest weather. In mild weather it requires less frequent attention. Rake ashes once in 24 hours.

Heat automatically regulated by thermostat. Temperature always right. Built in two sizes to accommodate 300 to 1,500 chicks. Heat Deflector need not be raised to coal and shake the fire nor to remove ashes.

Ask your dealer to show you this economical, coal-burning, self-regulating Colony Brooder, or write direct for Colony Brooder Catalog A

**NEWTOWN PRODUCING CO., Newtown, Pa.**

## Own Money Makers--500 Pullets

D. W. Young Strain White Leghorns the kind that will lay large white eggs, choice \$1.50 each others \$1.00, yearling hens 90c. Rhode Island Reds, White Rox and Wyandottes, Indian Runner Ducks. Your chance to get good birds at right prices. Green cut Clover. Baby Chix. Satisfaction guaranteed or your money back.

**CLOVERDALE FARMS CO.**

:-

**RANSOMVILLE, N. Y.**



O. E. Faxon, proprietor of Swastika Poultry Yards, Plano, Ill., informs us that he will make a special price on show birds for this winter's shows on Single-comb White Leghorns and Single-comb White Orpingtons. Mr. Faxon won first cock at the National S. C. White Leghorn Club State Meet, 1913, which shows the quality of the stock he breeds. Write him for further information, and mention American Poultry Journal.

M. C. De Loof, Willoughby, Ohio, breeder of Single-comb Rhode Island Reds, has, without question, the finest flock of young birds he ever raised. The color and black points are ideal and they run fine in length of back and head points. It is strictly quality with Mr. De Loof, rather than quantity, and as his quarters are limited he is offering his yearling stock for sale at a sacrifice, including such birds as his Buffalo and Cleveland winners. He is also in a position to furnish a limited number of choice exhibition birds for the early shows and fairs.—H. H. Coburn.

Cloverdale Farm Company, Ransomville, N. Y., breeders of White Leghorns and Rhode Island Reds, have a great number of choice pullet breeders and cockerels hatched and bred on free range that they are offering at bargain prices. They guarantee satisfaction or money back. Look up their new ad in this issue and write them for prices and particulars, and mention American Poultry Journal.—H. H. Coburn.

Carl D. McCarthy, originator of the beautiful Rhode Island Whites, and owner of beautiful Edgewood, Kempton, Ind., although handicapped the past spring with a severe attack of sciatic rheumatism, managed to raise a fine lot of Rhode Island Whites, the surplus of which are all contracted for. This is proof positive of the great and increasing demand for this variety of fowl. This breed, unlike the majority of new breeds, originated on a commercial poultry plant where eggs was the slogan for all contracts for New York City hotels. The Whites are the result of several years of systematic crosses and were called Rhode Island Whites because of the attractive and racy looking shape of the R. I. Reds. This, with their beautiful, snow-white plumage, makes them a most attractive variety. Mr. McCarthy emphasizes that their most valuable asset is their great utility qualifications. On account of the many out crosses in the beginning they are a very hardy bird and can stand an unlimited amount of forcing without getting leg weakness. Mr. McCarthy still has a few breeders for sale. Write him for prices.—H. H. Coburn.

The Aldrich Single-comb White Orpington Farm, Columbus, Ohio, is well satisfied with the past season's business, they having sold over \$6,000 worth of eggs alone. This popular strain of S. C. White Orpingtons has come not only to stay, but to lead in all parts of the land, wherever shown, and they won this season at Winnipeg and Brandon, Manitoba and Grand Forks, N. D. In fact, every bird sent out this season has won for its purchaser. Mr. E. S. Aldrich writes that, in carefully looking over his entire flock with his manager Mr. Rawnsley, he finds fully 90 per cent with good red eyes, splendid combs and sound lobes and that the size of the bone this year far exceeds that of their last season's stock, and that the color is simply magnificent. There are many cockerels and pullets hatched the middle of February that were up to weight August 1. In shape, especially in length of back, they are ideal. From the very beginning of their interest in the Single-comb White Orpingtons, members of the Aldrich Poultry Farm have spared neither time nor expense to purchase the best birds obtainable, and now have the most noted winners of two continents in their flock. They are backing up their belief in the future possibilities in the Single-comb White Orpingtons as a profitable and popular variety.

and are preparing for a large season's business. It is needless to state that the Aldrich Poultry Farm is one of the finest, and that there is every facility and condition to make this farm the best ever. Write them for prices on show birds.—H. H. Coburn.

Henry F. Alberding's Silver Spangled Hamburgs and Single-comb Buff Orpingtons are improving year by year in quality under his care and management. His Buffs are Owen Farm's strain direct and are wonderfully even in golden buff. He has a few classy show birds to sell at most reasonable prices. His Silver Spangled Hamburgs are the most beautiful he ever raised. Mr. Alberding expects to be at the Indiana State Fair with a nice string of birds. Write him for prices.—H. H. Coburn.

F. S. Smith, Hamilton, Ohio, the noted breeder of Single-comb Buff Leghorns, has again succeeded in producing a large number of very choice specimens this season, even though the floods last spring did him a lot of damage and put a crimp in his plans. It will be remembered that Mr. Smith lets all the farmers within a radius of ten miles of Hamilton raise chicks for him and it is needless to say that his Buff Leghorns are the huskiest of the husky. He has any number of them ready for the fairs and southern shows. Write him for prices.—H. H. Coburn.

J. C. Fishel & Son, Hope, Ind., breeders of the World's Best White Wyandottes, have practically outdone themselves with their past season's business and the quality of their young stock. They personally conduct their own business and are on the job all the time, which is the main reason for their great success. Fisheldotte is one of the beauty spots of the Middle West and the young Wyandottes have every condition to make them all that has and ever can be expected of the breed. The Fisheldotte White Wyandottes have won in every spot and place on this continent as well as in many foreign countries. With J. C. and Charlie at the helm, it is quite unnecessary to say that there is not a poor bird on the farm, and that their young stock runs so even in superior quality and so perfect in shape, and so snow-white, that a prettier sight could not be imagined. This farm reports an excellent business and with every prospect for a world beater the coming season. To make room for the hundreds of youngsters, they are offering a "shower" list in which is quoted some rare bargains, and every prospective buyer of show birds or grand breeders should possess one of these lists and avail himself of this unexcelled and grand opportunity. Their catalogue is a book which possesses much valuable information and shows up Fisheldotte true to life. It is a great satisfaction to a customer to know he will be treated right and J. C. Fishel and Son are the soul of honor in all their business transactions, and will always give you the best end of the bargain. Write today for their "shower" list.—H. H. Coburn.

The Miller Anchor Company, Norwalk, Ohio, inventors and manufacturers of the "Ideal" Feeder and Exerciser, have made some very marked and practical improvements on grain as well as dry mash feeders, having put a cast-iron bottom on them, which not only looks much better, but ships much safer and is more practical in every possible way. The Ideals have made possible the "busy hen," the hen that lays, and "the hen that lays is the hen that pays." These feeders are sparrow and rain proof and are the greatest economizers yet on the market. The price is reasonable and agents are wanted in every corner where a dozen hens are kept. Write for circular.—H. H. Coburn.

R. N. Barnum, proprietor of Foxhurst Farm, Lime Rock, Conn., writes us as follows: "We have had a very successful season and as Mr. Hubbard mated the pens

the moment we got back from New York, we have some wonderful April hatched birds, that are going to be fully matured for the early shows and fairs. We have raised three times as many birds as we have ever raised before, increased our plant, and Mr. Hubbard reports that the birds are by far better than anything we have ever raised, which fact we hope to demonstrate at Madison Square Garden the coming winter. As noted in our advertisement recently we do not claim to be importers, as nearly every other large breeder of Orpingtons is. We have raised and bred practically every winner that we have had. Mr. Hubbard has had but one Sunday off or away from our chickens in the past year, with the result that they are uniformly grown by his own methods, are all mammoth, beautifully colored birds, hatched in April, May and June, every one of which will be fully matured and grown, ready for December 15 show, which are in addition to the few March and April early show birds that we have mentioned above. It is through Mr. Hubbard's painstaking and line breeding and constant attention that put Foxhurst Farm Black Orpingtons where they are. It is no wonder, therefore, that we are astonished from month to month to read of the different managers of the farms who are our chief competitors being in England picking up strings of birds for the fall and winter shows. We believe that the American Black Orpington fanciers will some day agree with us that the American line bred, American type Black Orpington will prevail and that the fashion of buying imported birds as against the American bred has about had its day. Every bird that Foxhurst Farm won with last winter and made a world's record at Madison Square Garden was bred and raised on our farm, beating the best that could be imported from England, regardless of price. Our birds were not hatched prior to the 20th of May and we were in competition with January hatched, imported stock

Cloverdale Farm Company, Ransomville, N. Y., are offering choice, selected, green cut clover for sale at prices not much higher than common alfalfa. It is much better for poultry, producing a much desired flavor when mixed with mash. It is cut one-eighth inch in length, properly cured and selected for purpose intended. Cut clover is recognized by the poultry breeders throughout the country as one of the very best foods both for growing stock and laying hens. Write for prices, and mention American Poultry Journal.

### The New Chicago Show.

Chicago is to have two shows this coming winter. One is the show held in the Coliseum, December 12-17, 1913, of which Theo. Hewes is secretary, and the other will be held under the auspices of the Chicago Poultry Breeders' Association, January 5-11, 1914. This organization has recently been incorporated as a stock company for \$1000.00 and is composed entirely of poultry breeders in and around Chicago. At the present writing there are close to 200 members in the association and it is growing rapidly.

The officers of the Chicago Poultry Breeders' Association are: F. A. Kaup, president; A. E. Lee, vice-president; A. E. Lemieux, secretary, and J. L. Deaver, treasurer.

The judges selected are F. H. Shellabarger, Iowa; Earl Hemingway, Michigan; Joseph Coleman, Ohio, and Judge Hays of Illinois. Judging by comparison.

The Chicago Poultry Breeders' Association is a member of the American Poultry Association, and will try to secure the medals, etc., offered by the latter association to one show in each state, otherwise known as the State A. P. A. Show. The prize ribbons will be the beautiful silk woven American Poultry Association ribbons and between 75 and 100 silver cups valued at up to \$50 each will be offered in addition to about \$1500.00 that will be offered in cash prizes.

The show will be held January 5th to 11th, 1914, in the large East End Hall, at Erie and Clark streets, which is within four blocks of the downtown district and very convenient to everybody.

Entree fees are \$1.00 for each single bird and \$3.00 for pens with separate classes for old and young pens in solid colored varieties. Nothing but poultry, bantams, turkeys, ducks and geese will be shown.

Premium lists will be ready November 1 and a copy can be obtained by addressing the secretary, Arthur E. Lemieux, 4539 North Eberly avenue, Chicago, Ill.

F. A. KAUP,  
President Chicago Poultry Breeders' Association.

## Smith's Single Comb Buff Leghorns

For sale by the hundred. Best Strain, Best Breed to lay large white eggs.  
Show Birds and Show Birds that can and will win in any competition.

F. S. SMITH

HAMILTON, OHIO



# CLASSIFIED ADS

**UNDER this heading ads will be inserted for seven cents per word each month for less than three months, and five cents per word each insertion for three months or longer.** Changes in copy allowed every three months. Numbers and initials count as words. All ads will be inserted under classified headings. No ads accepted at less than an average of sixty cents per insertion. Terms, cash with each ad. Count the words carefully to avoid delay in publishing. Write your copy plainly, as upon this the correctness of your ad largely depends. When placing your ads remember that advertisers using Classified Ads get better returns from AMERICAN POULTRY JOURNAL than from any other poultry journal—none excepted. On writing any of these advertisers mention A. P. J. All copy for Classified Ads must reach us by the 17th of month preceding date of issue.

## ANCONAS.

**ANCONAS—EITHER COMB.** Fancy show birds now ready; let me help you when you show. Mark Lewis, Alma Center, Wis. 9-11

**ANCONAS—SACRIFICE SALE.** Fine lot of hens, cocks, pullets and cockerels. Everything goes regardless of price. Rev. W. J. Perry, Milton Junction, Wis. 9-11

**ANCONAS FOR SALE—Yearling** hens, two cocks, cockerels and pullets. E. Metcalf, Stockport, O. 9-11

**BERRY'S PRIZE WINNING ANCONAS.** Three thousand for sale. Dr. J. E. Berry, Powhatan Point, Ohio. 9-11

**ANCONAS—SINGLE COMB YOUNG AND OLD** stock for sale. C. E. Brown, Powhatan Point, O. 8-10

**ANCONAS—Single Comb;** 300 yearling breeders, \$15.00 per dozen females and 1 male, not akin. In best of health, flesh and feather, laying good. Grand in color, shape, size and comb; splendid show birds in the lot at a sacrifice. But egg production is my money maker. Geo. C. Schwegman, No. 309 So. 4th St., Richmond, Ind. 8-10

**SINGLE COMB ANCONAS.** Silver cup winners. From best pens. \$2.00 and \$1.50 per 15 eggs. Chas. G. Kalk, Route 9, Sheboygan Falls, Wis. 8-9

**ANCONAS—BOTH COMBS.** Grand breeding stock. My mating list describes one special pen, besides my regular pens, which will interest any Ancona breeder in America. Dr. Guy Blencoe, Vice Pres. International Ancona Club, Alma Center, Wis. 1-13-1f

## ANDALUSIANS.

**50 GRAND BLUE ANDALUSIANS,** \$1.00 to \$2.00 each, from gold banded birds Illinois State Poultry Show. Herbert Hodgson, Albion, Ill. 9

**BLUE ANDALUSIANS—Great prize strain.** Also large importation from England this season. Best blood known in England and America. Exhibition stock ready. H. Council, Pioneer Specialist, Warrenton, Va. 8-10

## BANTAMS.

**WORLD'S BEST BANTAMS.** All varieties. Shipped on approval. Catalogue 2c. F. C. Wilbert, Grand Rapids, Mich. 9-11

**"MOHAWK STRAINS SUPERIOR."** Largest breeders, leading varieties Game and Cochins Bantams. Madison Square Garden winners. Shipped on Approval. Mohawk Bantam Yards, Box E. Schenectady, N. Y. 8-10

**RARE BARGAINS.** Golden and Silver Sebright, Buff, Black, White and Partridge Cochins, Rose Comb Black, Black Tailed Japanese, Red Pyle and Black Red Game Bantams. Proper & Son, Schoharie, N. Y. 8-13-1yr

**EXHIBITION JAPANESE Bantams—Black Tailed, White, Black, Golden Sebright and Black Rose Comb.** Stock for sale. Hez Kinter, Dillsburg, Pa. 8-10

**LIGHT BRAHMA BANTAMS—Finest flock** in the world to choose from. Winners at leading shows. A few show birds and breeders for sale. No eggs. J. Hart Welch, Box C, Douglaston, Long Island. 1-13-1 yr.

## BUCKEYES.

**WEISBERG'S QUALITY BUCKEYES.** Are you looking ahead? Investigate Buckeyes, the faultless new breed. Catalogue gladly sent. A. H. Weisberg, Nevada, Mo. 7-9

**BUCKEYES, WINNERS MADISON SQUARE,** Boston, Cleveland, Washington, Scranton. Catalogue free. Lindley Place, Meshoppen, Pa. 5-13-1f

## BUTTERCUPS.

**BUTTERCUPS—GREATEST LAYERS** known. A few fine thoroughbred cockerels (May hatched), \$3.00 each. Dr. T. A. Wilcox, 1665 E. 86th St., Cleveland, O. 9

**WILLIAMS' SUPERIOR BUTTERCUPS.** Stock for sale. E. H. Williams, Berea, Ohio. 8-9

## CAMPINES.

**SILVER CAMPINES—Oak Grove Farm,** R. No. 34, Box A, Peoria, Ill. 8-10

**SILVER CAMPINES—Improved Silver Campines,** choice young stock. Rev. W. Berberich, Groton, N. Y. 8-10

**MRS. CARVER'S GOLDEN and Silver Campines.** Have a few extra fine clear-backed cockerels from our Champion Golden hen Empress ready for showing; also some extra fine Silver cockerels, trios, pens. Mrs. A. A. Carver, Seville, Ohio. 1-13-1f

**IMPROVED CAMPINES—Golden and Silvers** (yearlings) and young stock for sale (farm-raised). Catalogue free. Klager's Poultry Yards, Hespeler, Ontario, Canada. 9-12

**200 SILVER CAMPINE cockerels and pullets** for sale. Ten prizes at Chicago and Minneapolis last winter. Show birds or breeders. Write us, Greenwood Farm, Lake Mills, Wis. 9-11

**M. R. JACOBUS,** Box 3-J, Ridgefield, N. J., original introducer of Improved Campines, now offers some exceptionally fine bargains in both old and young stock, Silver and Golden Campines. My book, "Campines by Jacobus," free unless you prefer to send postage. 9

**A FEW CHOICE SETTINGS** from our imported English strain of Silver Campines. Write for booklet. Shearer-Henry Poultry Yards, Delavan, Wis. 9-11

**CHAMPION IMPORTED SILVER CAMPINES** (Kennedy's best pens). Trios \$10.00. Thos. Brogden, Rush Lake, Wis. 9-11

## COCHINS.

**PARTRIDGE COCHINS,** particularly fine. J. A. Junge, Opelousas, La. 5-9

## CORNISH.

**DARK CORNISH,** 200 imported and domestic. Best in nineteen years of success. Twelve cocks and forty hens fit for any show. Exhibition birds shipped east prepaid. Early pullets laying. W. S. Templeton, Campbell, Calif. 9-11

## HAMBURGS.

**SILVER SPANGLED and BLACK HAMBURGS—Originator** of the "Black Diamond" strain. First cockerel, first pullet Madison Square. More firsts and specials at Columbus, Detroit, Mansfield, Greenwich and New London than all competitors. Also at Madison Square Dec., 1911, on two entries, 2nd cock, 2nd hen. Eggs, \$1.50 per 15; \$2.50 per 30. Breeding hens at reduced prices. Will L. Clark, Sullivan, Ohio. Pres. American S. S. Hamburg Club. 2-1f

## HOUDANS.

**HOUDANS, EGGS AND STOCK.** Boston winners. Stamp. Reply. S. L. Morse, Harrison, Me. 5-13-1f

**HOUDANS.** Proprietor also Peterson's. Also book, 20c. Eggs, stock. Dr. Wight, Bolster's Mills, Me. 4-13-1f

## LANGSHANS.

**PURCHASE YOUR BEST BLACK LANGSHAN** winners for the fall fairs and winter exhibitions from the celebrated "Princess Jetta" strain of New York winners, noted for their splendid exhibition and utility qualities. Prices reasonable. R. W. Bishop, Box 725 Guilford, Conn. 9-11

## LEGHORNS.

**HENS, 300 WYCKOFF White Leghorn yearlings** 75c, 400 extra select 85c. 200 two-year-olds 65c. 600 pullets 70c to \$1.25. 100 very select cockerels \$1.00, \$2.00; also 1,000 birds at Waterloo, N. Y. Will stand return expressage any lot not highly satisfactory. Good circular free. George Phillips, R. 111, Seymour, Conn. 9

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## STOCK FOR SALE

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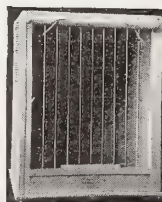
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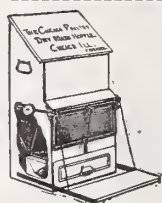
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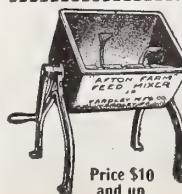
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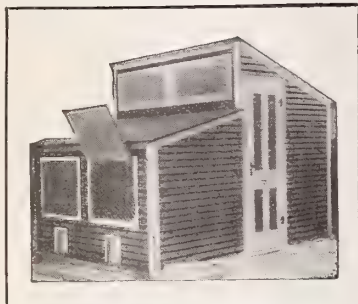
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Dear Sir: I am satisfied you have succeeded in giving to the public a book of permanent value, one that the editors and artists should be proud of. The Year Book is a welcome addition to our poultry literature. Yours truly, J. H. Drevenstedt, Editor American Poultry World, Buffalo, N. Y.

Gentlemen: You certainly deserve great credit for publishing such an excellent Year Book. Judging by its merits, it should meet with great success. Sincerely yours, A. G. Studier, Editor R. I. Red Journal, Waverly, Ia.

## 11 Four Color Pictures

The American Poultry Journal Year Book for 1913 contains eleven four-color pictures of fowls made by the famous poultry artist, Louis A. Stahmer. Three of these pictures are double-page in size (6½ by 9½ inches, each showing one male and four females) and they were all made from life by the new four-color photo engraving process. Eight of these colored pictures are mounted on heavy tan paper and are suitable for framing. These beautiful pictures have created a sensation wherever seen as they represent the highest type of thoroughbred fowls and they are beyond question the most beautiful and artistic set of exquisite pictures of pure-bred poultry ever published. To appreciate these pictures they must be seen, as it is almost impossible to find words strong enough to describe their natural beauty and artistic background taken from nature's scenery, with its charming hues and tints of the glorious rainbow.

## "MENDELISM AND THE LAWS OF HEREDITY,"

By Rev. F. W. Sturgus, M. A., of England, occupies 36 pages of the Year Book and is undoubtedly the best exposition of Mendellism and the laws of heredity in relation to poultry breeding that has yet been published and is worthy of deep study by our American breeders. This one article by this noted authority, is worth many times the price of the book to every breeder of fancy poultry.

## "The Poultryman's Encyclopedia"

is one of the big features of the book, giving a complete description of 29 common diseases of fowls, their causes and cures, explanation of all technical terms used in the poultry industry, and also treating briefly but fully such subjects as How to preserve eggs, Making feeding sprouted oats, Soft-shelled eggs, Right size of poultry house, Broilers, Broken legs, Curing broody hens, Care of setting hen, Capons, How to stop cock crowing at night, Cockerel and pullet breeding, Double and single mating, Color feeding, Colony houses, Contents of egg, Copulation Crate fattening, Dust bath, Egg bound, Egg and feather eating, Feed for fattening, Grit, Flavor of eggs, Incubators and cellars, Influence of the sexes, Insect pests, Killing and dressing poultry, Mash feeding, Molt, Nests, Perches, Scratching sheds, Sitters and non-sitters, Telling the sex, Removing spurs, Watering devices, Ventilating houses, How to give medicine, Scaly legs, etc. All the above and many more items are arranged alphabetically for instant reference, making it truly a Poultryman's Encyclopedia.

The Year Book is printed on high grade enameled book paper and the binding is linen thread sewed to make it flat opening. There is nothing cheap or trashy about the book as no expense was spared to make it a representative of the best present day standard of artistic printing and worthy to be handed down to posterity as an example of what the best printer could produce in the year of 1913.

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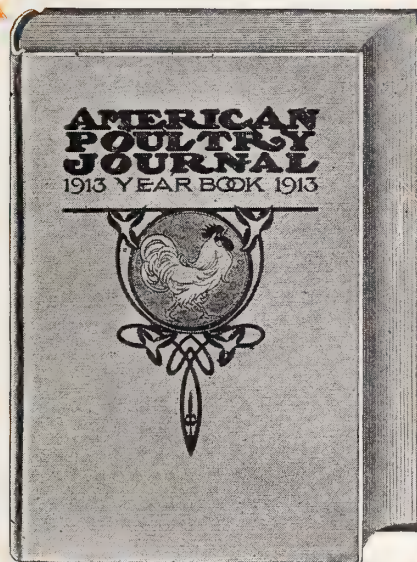
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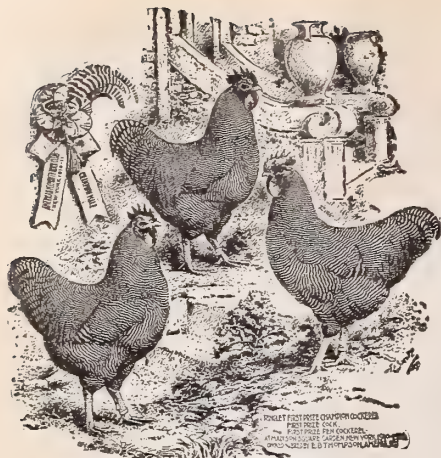
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VOL. 44

OCTOBER, 1913

NO. 10

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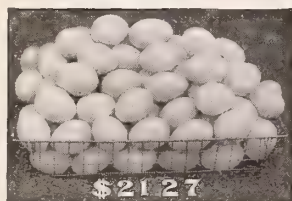
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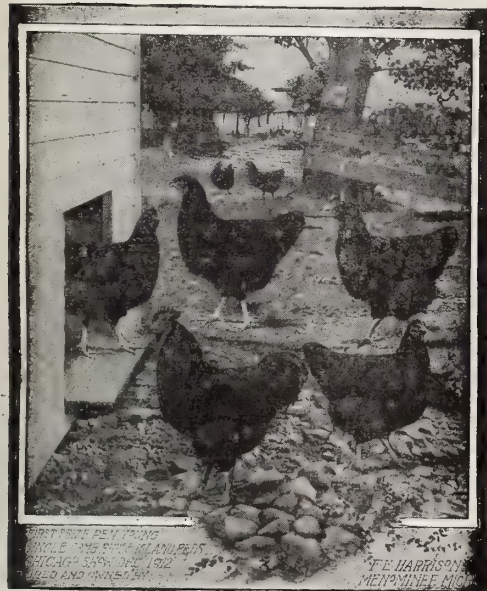
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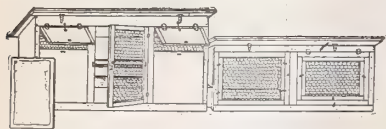
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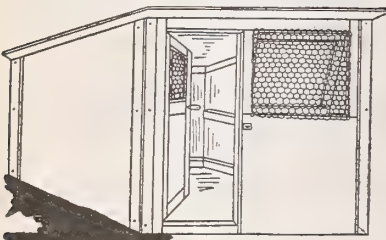


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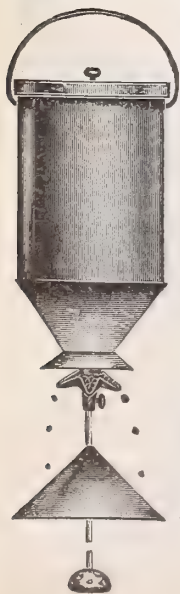
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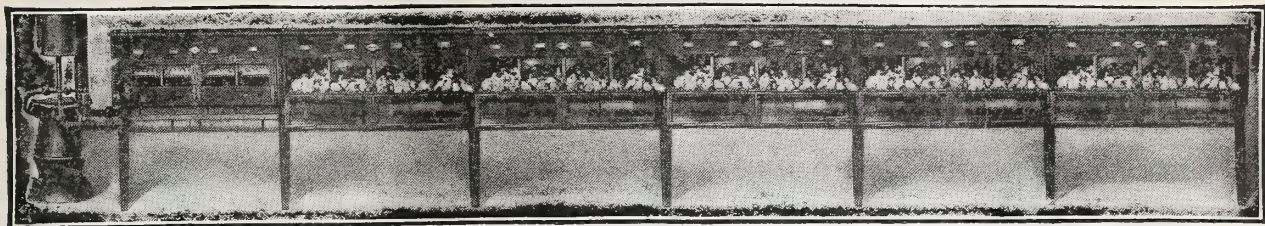
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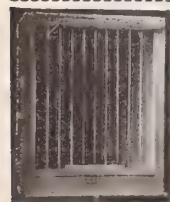
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Potter & Company

BOX E-21

DOWNERS GROVE : ILLINOIS

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YOU can buy better, cheaper, more complete ready (factory) made hen-houses, roosting and nesting fixtures, coops, etc., from Potter & Co., because they buy lumber in carloads, cut and fit all parts perfectly by automatic machinery and deliver the house, coop or fixture you need in convenient sections all ready to set up.

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A \$6.60 HENNERY OUTFIT

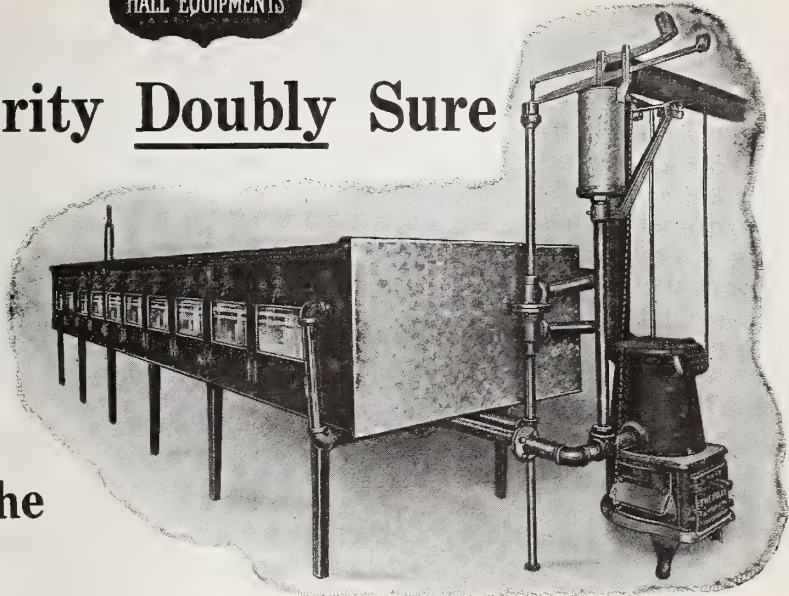
No. 19, style "A" 6-ft. 3-perch complete Potter henhouse outfit for 36 hens. This same style made in 12 sizes.





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Now Comes an  
Added Feature  
of Security in the



# Hall Mammoth Incubator

*The Original and Standard*

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From the first, the Hall Mammoth Incubator contained the most simple and best features embodying correct principles of safe incubation. The latest proof of our policy to introduce improvements wherever improvement was possible—the newest feature which still further strengthens the security and absolute reliability of the Hall Mammoth Incubator—is our new Safety Temperature Control.

### The New "Security" Feature

Furnishes a doubly effective method of heat regulation—affords a positive insurance against all possibility of accident or carelessness of operator. It is simple yet wonderfully efficient. It accomplishes something that no other similar control system has ever done—controls the temperature of the water *before* it enters the hatching compartment. It is a real double control, with a single adjustment.

### What the Hall Does

This new safety feature is only one of the many reasons why you should investigate the Hall Mammoth Incubator. The Hall reduces fuel cost and saves labor expense. It has the safest and most convenient tray lifting device. It has slatted bottoms, providing ample ventilation without drafts. In a word, it's the *one* Mammoth Incubator that can be unfailingly relied upon to hatch good chicks in large quantities.

### The Hall New Safety Temperature Control

In the Hall Mammoth Incubator the primary method of heat regulation is by the *expansion* of the water in the *heat radiating pipes through their connection with the expansion tank.*

This action through the rising of expansion tank float (due to the increasing heat of the water) is transferred by one direct lever movement to the drafts of the furnace, controlling amount of oxygen supplied to the fuel and the amount of chimney draft through the fire; thus the amount of heat generated.

In this way the furnace delivers to the Hall Mammoth Incubator the requisite amount of heat and maintains uniformly in the hatching compartment a proper incubating temperature—the vital essential for successful incubation.

Now the *new Hall Safety Temperature Control* is essentially an *extra* check on this control system. It renders it absolutely impossible for the temperature in the hatching compartment to exceed the temperature it is adjusted for. It guards against the possibility of accident or carelessness of operator.

This control device consists of a frictionless double flow-diverting valve. By means of its one inlet and two outlets, together with its connection with the expansion float, it automatically diverts water when heated above the safety point. Excessively hot water is diverted into an auxiliary coil enclosed in a wooden flue, to carry away excessive heat. The water runs through the auxiliary coil to be cooled; and the heater must deliver water at the right temperature *before* it enters the pipes in the hatching compartments.

A feature of this Hall safety control is the fact that *the water* is controlled *before* it enters the incubator, instead of *after* it enters the hatching compartment, which is the weak feature of all other control systems.

**Read Our New Catalog** Write today for catalog which describes fully the new Safety Temperature Control and all other exclusive advantages of the *Hall*. Every poultryman who keeps abreast of the latest methods of incubation should by all means read this new Catalog.

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# S·C·WHITE LEGHORNS

## THAT LAY, WEIGH AND WIN



There is more real proof in a teaspoonful of experience than in a demijohn of talk.

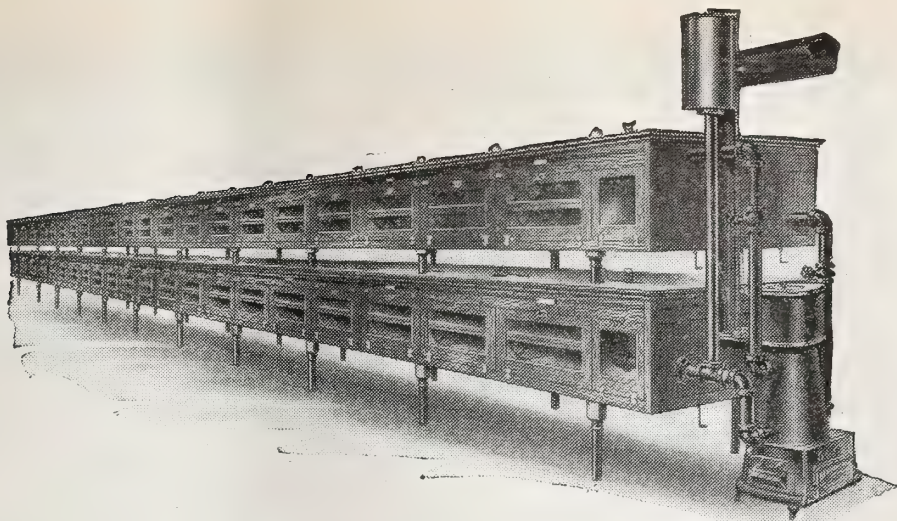
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Have the Newtown Automatic Temperature, Ventilation and Moisture Regulator at each compartment give you big hatches of heavy, healthy chicks that live.

# Newtown Giant Incubator

1914 Model

Let the Newtown Automatic Temperature Indicator show you the temperature throughout the system without your stooping and extracting the thermometer from every compartment.

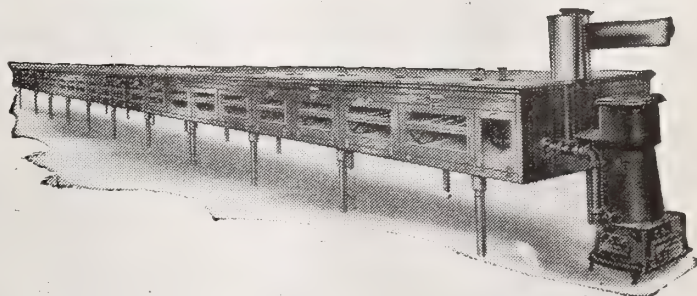
Sleep at nights during the hatching season. The Newtown Automatic Alarm will ring a bell in your bedroom if you're needed.

Let the five Newtown Safeguards against "off" temperature make your hatching a pleasure instead of a worry and a "grind."

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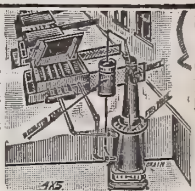
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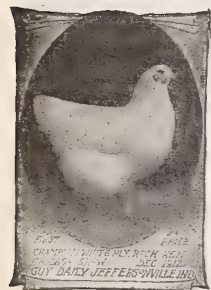
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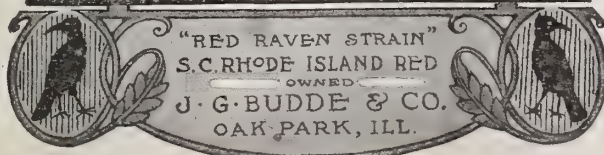
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We Can Please You You Can Win  
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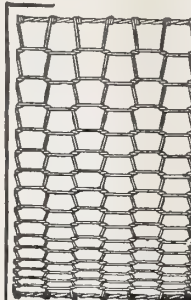


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48 inches high. Has 4½ inch mesh and graduated spacing of line wires from 1½ at bottom to 3½ inches at top. Fewer posts and no base board or top rail required.

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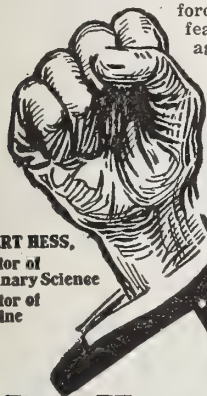
**27½ cts.** for a 48-inch

Combined Poultry and Stock Fence made of heavier wire and having 6-inch mesh. From Factory Direct to Consumer.

100 styles and heights of Poultry, Farm and Lawn Fence. Catalog FREE. Box 295 **KITSELMAN BROS. Muncie, Ind.**

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But Dr. Hess Poultry Pan-a-ce-a will positively tone up your hens, and so strengthen them that they will be better able to force out the old quills, grow new feathers and get them back laying again long before the winter sets in and egg prices are high.



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So sure am I that it will do these things, that I have authorized your dealer to supply you with enough Pan-a-ce-a for your whole flock and if it does not do as I claim, return the empty packages and get your money back. Costs only one cent a day for 30 fowl. 1½ lbs. 25c; 5 lbs. 60c; 25-lb. pair \$2.50. Except in Canada and the far West.

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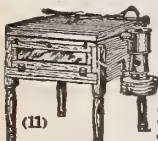
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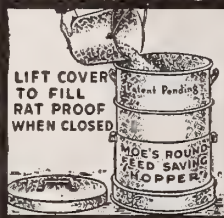
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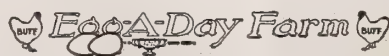
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Cockerels up to 7 pounds, Pullets to 6 pounds

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by installing an Ideal Grain Sprouter and feed your hens the green food that is absolutely necessary to insure prolific egg production.

Eggs are going higher in price every year, the demand is far exceeding the supply, and it looks like *good times* and *plenty of money* for the man who has one of our sprouters.

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- is the *best machine* for sprouting grain ever made;
- will produce sprouts over two inches long in 24 hours;
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One application a year guaranteed to keep your coop free from lice. Write for circular and testimonials  
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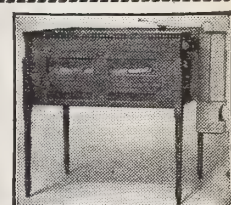
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Drop postal for particulars to  
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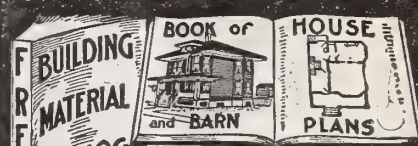
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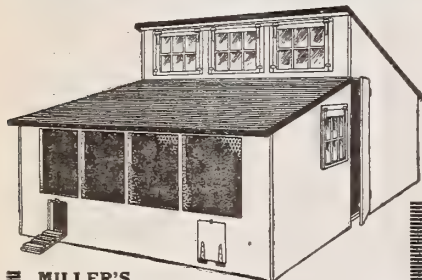
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It does the essential thing with perfect correctness—it registers the temperature in the egg chamber just as it is. A "Tycos" Incubator Thermometer makes no mistakes; it is always accurate. You have to break a "Tycos" to destroy its accuracy. It is "aged" and tested before sold. That is why every "Tycos" is dependable. Send for Free Booklet, "Incubator Facts". "Tycos" Incubator Thermometers, each \$.75. Incubator Hygrometers, each \$1.50.

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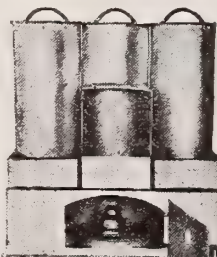
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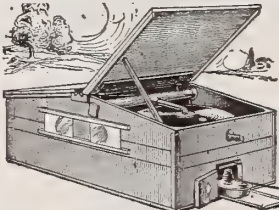
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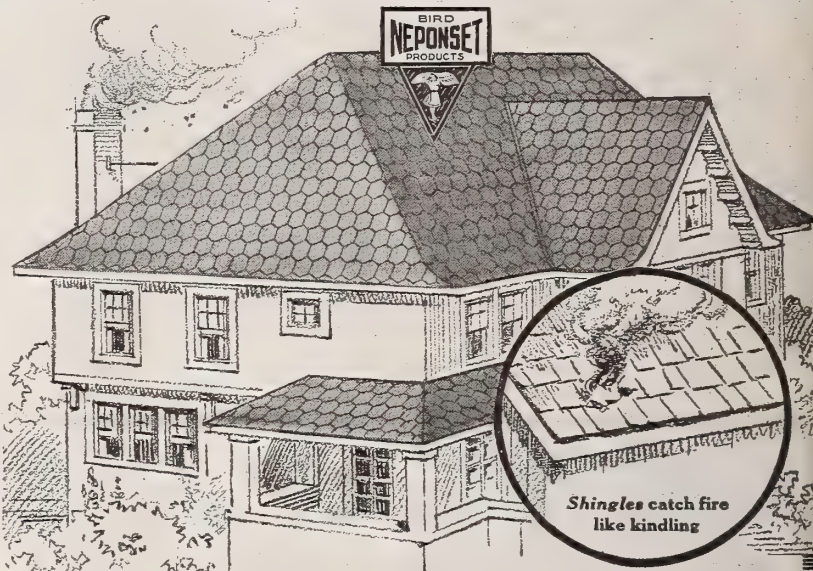
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Stained shingles "look" nice—but no better than NEPONSET Proslate Roofing. And here the comparison ends. Let burning embers fall on a shingle roof and your house—your home—goes up in smoke. NEPONSET Proslate resists fire—there's no danger of the roof catching fire from flying sparks—if your roof is NEPONSET Proslate.

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If NEPONSET Waterproof Building Papers are built into walls and floors, the building will be warmer, will cost less to heat and will last years longer. Recommended by architects, engineers and building owners everywhere.

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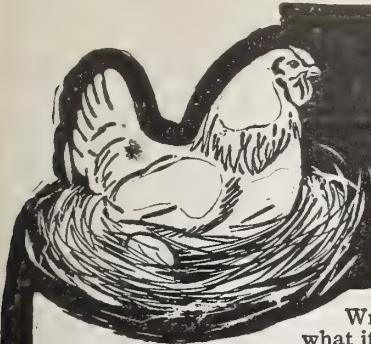
NEPONSET Wall Board is a scientific product which takes the place of lath and plaster; comes in sheets 32 inches wide. Remember, it is the only wall board with waterproofed surfaces that requires no further decoration. Anyone can put it up.

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A FREE BOOK FOR YOU ON MAKING HENS LAY

Write today for our free poultry books and learn at once what it might take you, alone, years of costly experience to find out. You know how eager fowls are for bugs and worms. Our book tells why. Briefly, it's the animal food they want, and **must have**, in order to thrive best. Chicks, laying hens, cocks, all need it—to develop frame, muscle, feathers, to produce many eggs, to produce fertile eggs. To replace bugs and worms in winter, or, for yarded fowls, feed freshly cut raw bone, prepared with

## MANN'S LATEST MODEL BONE CUTTER

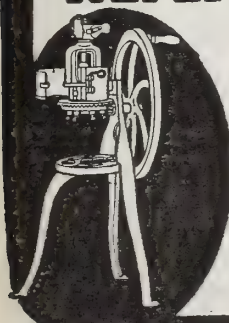
Try One Free—No Money Down

This feed is four times richer in protein (the egg-making, body-building element), than corn is, and it is more easily digested and assimilated. **Save** money by cutting down your grain ration. **Make** money by getting more eggs when eggs are worth most and by having better eggs for hatching stronger chicks, earlier and heavier broilers.

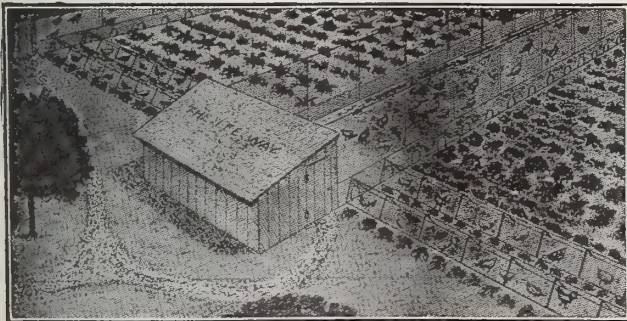
Mann's Latest Model Bone Cutter cuts the bone (and all adhering meat and gristle) into a fine, soft mash that fowls of all ages relish and can put to immediate use in producing profit for you. It turns easily, cuts rapidly, never clogs, wastes nothing. We sell it on **10 Days' Free Trial**, without money or deposit in advance—so you may be sure it is right. We even pay its freight back if you are not satisfied.

**WRITE FOR FREE BOOKS TODAY.** To read them is to know how to feed poultry for most profit.

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# Here is THE LEE WAY



of growing chickens and garden on the same ground. The chickens fertilize, weed and cultivate the garden. The garden supplies green food, insects, dust baths and exercise for the chickens. It is simply a neat little arrangement whereby the chickens work between the rows of vegetables without harming the growing stuff.

**Lee has just invented** a new bottle filling machine for Germozone that fills 28 bottles at a time in six seconds; that is at the rate of 16,000 per hour. Also an automatic machine that will fill 10,000 cans of Lee's Lice Killer per day. That is **the Lee way**, to do things well with the least time, labor and

expense, and that is the same with all **Lee** products. They follow the easiest and shortest route to the best results.

**Lee's Lice Killer** is a great labor saver in poultry work. Before, one had to dust or dip, handle or grease, to get rid of lice and often burn the poultry house to get rid of mites. Now that is all changed. A few moments with a brush or handy Sprayer just before the fowls go to roost and it is done; you don't even touch the chickens. Four sizes: 35 cts., 60 cts., \$1.00, \$4.00. Lee Sprayer 50 cts.

**Germozone** cures quick or not at all. Germozone fits most cases of chicken disease and there is no long period of "Doctoring." One thorough application should cure the dreaded canker in one night; two or three applications suffice for roup, swelled head, chicken pox, frosted comb, skin disease, sour crop or bowel trouble and it is so easy to use. Then too, Germozone has many

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There is one store in most every town where the Lee line is handled; at least there are 2,700 such towns in Nebraska, Kansas, Iowa, and Missouri, with 7,400 in other states. Any of our dealers will gladly give you full particulars and our free poultry books. *If you will write us, we will give you details by return post.*

**Geo. H. Lee Company**  
Omaha, Nebraska

### PRIZE OFFER

We are, this season, offering big cash prizes of \$100, \$50, etc., to followers of "the Lee way." If you contemplate any changes for next season, better get in line for one of these prizes. It means no extra effort. Arthur Meisinger of Peoria, Ill., won the \$100 prize last year. We give full particulars free.

### AUTUMN HINTS

Be sure to take your birds into the winter free from lice and with the house clear of mites. They will lay better and come into the next breeding season better. Then, too, you will not have trouble in the spring with lice on the young stock. It needs only a few minutes, occasionally, with Lee's Lice Killer.

The first chilly fall weather is generally more productive than mid-winter of colds, roup, bowel trouble or canker, especially if damp. Roup, or canker, once well started, may run all winter. Guard against this by giving Germozone in the drinking water twice a week as a preventive. Watch for the first watery eye or dirty beak; the first wheezing or coughing; the first unhealthy droppings (healthy droppings are firm, solid, slate colored, tipped with white). Always use Germozone on first indication of trouble.



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RALPH WOOLERY

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Maple Farm of Midlothian Charles D. Ettinger, Prop. Walter A. Cook, Manager Box 105, Tinley Park, Illinois

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Winners at Chicago—Indianapolis—Memphis—Louisville—Shelbyville

Indiana State Fair, Indianapolis, Ind., September, 1912, 1st Pullet, 1st Pen, 2nd Cock, 3rd Cockerel, 3rd Cock, 3rd Pullet. Tri-State Fair, Memphis, Tenn., September, 1912, 1st Cockerel, 3rd Pullet, 5th Cockerel, 5th Pen. Louisville Poultry Show, Louisville, Ky., December, 1912, 3 Firsts, 2 Seconds, 4 Thirds, 1 Fourth, 2 Fifths. Special for the Best Shaped Female. Two Silver Cups for Best Barred Plymouth Rocks. Shelbyville Fair, Shelbyville, Ky., September, 1912, 1st Cockerel, 1st Pen, 2nd Pullet, 2nd Cock. Chicago Poultry Show, Chicago, Ill., December, 1912, 4th Pullet Bred Cockerel.

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COCKERELS—\$3.50, \$5.00, \$7.50; PULLETS—\$2.50, \$3.00, \$3.50

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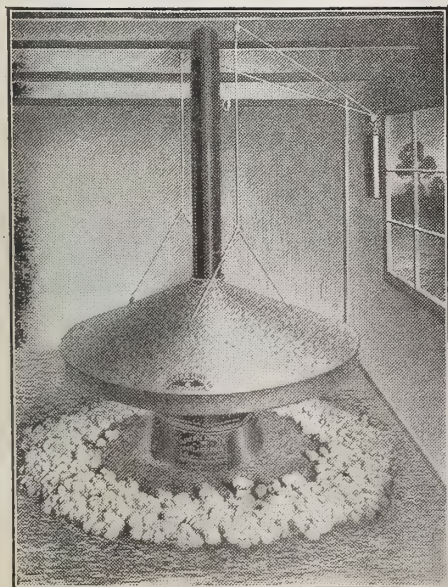
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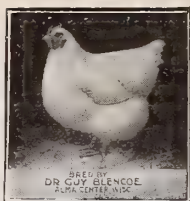
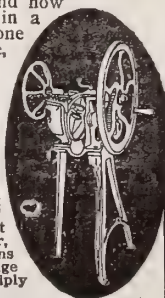
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Won NINE FIRST PRIZES in three showings,  
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Thirteen First Prizes at the Great Allentown Fair,

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Sensational birds in every one of my exhibits. The finest lot of young birds I ever owned, some  
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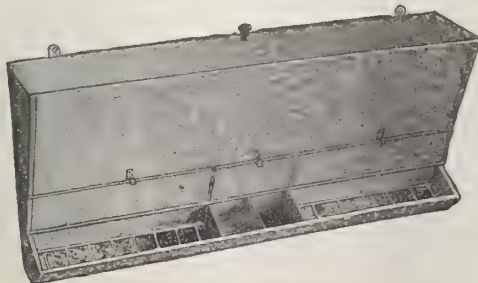
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Read what Our Poultry Fanciers say  
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With the highly nutritious Milk Substitute, Blatchford's Calf Meal, as a base, combined with Beef Scraps, Bone Meal, Fish, Dried Milk, etc., there is nothing better for Egg production.

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# Aldrich White Orpingtons

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**I**F you wish to be successful in the poultry business, start with the **most popular and best paying variety**, the **S. C. White Orpington**. This variety is conceded by all to **lay the most eggs in winter**, to be the fastest growers, and the best table fowl, as well as being the most beautiful and the most easily handled of all chickens. The experienced fancier or breeder realizes that the best is the cheapest in the end, and buys his breeding stock in the fall, thus acclimating his birds and keeping them in perfect breeding condition to raise winners for the coming season.

**The Superior Quality of the Aldrich Strain Is Acknowledged by All to Be the Standard of the World**

Our strain is the result of the highest skill in breeding. At all the largest shows in this country this strain has won for ourselves and our customers, and if you can advertise the **Aldrich Strain** your success is assured, as people will know that **you have the best**. During the past three seasons that we have exhibited we have carried off 120 regular prizes and many specials at **America's greatest shows**, Chicago, Cleveland, Baltimore, Allentown, St. Louis, Atlanta, Augusta and Madison Square Garden, thus firmly establishing our claim as the **Quality White Orpington Farm of America**.

From our knowledge of the poultry business, we have no hesitation in affirming that our flock of young birds of this year contains the largest percentage of standard, **TYPICAL WHITE ORPINGTONS OF FULL WEIGHT FOR THEIR AGE**, and with the smallest percentage not fit for the show room, of any flock ever raised upon any White Orpington farm in the world, and we ask any person wishing to purchase such a class of stock to **VISIT OUR FARM** and either verify or disprove this assertion.

The youngsters are of full weight for their age, with strong and heavy bone, firm in comb, red of eye, pure red in lobe, without blue in leg, of the **finest Orpington type**, and with **plumage as pure white as the older white breeds**. They are bred from the **largest flock of prize winners of the leading shows of the last two years to be found in the world**, all mated upon scientific principles by our Superintendent, Mr. Len Rawnsley,

one of the most expert Orpington breeders of this or any other country, and reared under his supervision **upon a system unexcelled in producing vigorous and typical birds** for the show-room, and breeders to perpetuate the **finest types of the variety**. Every bird is reared and conditioned under his supervision and the personal care of the members of the firm, **who devote their whole time to the business**, and this in a great degree is the secret of our success.

The demand for show birds this season is enormous, and we have already booked orders for shows in all sections of America and Canada, so that if you **place your order early** we can give you a better selection, and can properly train the birds for the show room. Remember, **we only sell to one customer in a class at any show**, and that a small deposit now will reserve you the winners. Our birds are **bred to lay** with the same care they are bred to win.

If you need a **winner** or wish to **introduce new blood**, or want to get **started right** in White Orpingtons send for one of our 56 page catalogs, and let us quote you prices.

**ALDRICH POULTRY FARM, 5080 N. High St., Columbus, O.**



# AMERICAN POULTRY JOURNAL

Entered as Second-Class Matter August 9, 1886, at the Postoffice at Chicago, Ill., under Act of March 3, 1879.

Volume 44

Chicago, Ill., October, 1913

No. 10

## \$190 Worth of W. Orpingtons Given Away

First Prize Won by F. J. Rothplete, Second Prize Won by  
Jas. R. Brown, and Third Prize Won by Mrs. S. C. Jackson



**EDITOR'S NOTE:**—Through the courtesy and liberality of Mr. Louis Lee Haggin, proprietor of the Russell Cave Poultry Farm, Lexington, Ky., we were enabled to offer in the June and July issues, as premiums to subscribers of American Poultry Journal, a \$100.00 breeding pen, a \$50.00 trio and \$40.00 worth of eggs to those who could write the three best articles on "Ten Reasons Why the White Orpington Is the Best Utility Fowl."

The prizes to be awarded as follows:

To the subscriber of American Poultry Journal who writes the best article on above subject and forwards same to American Poultry Journal before August 1, 1913, will be awarded a \$100.00 breeding pen of Single Comb White Orpingtons, direct from the yards of Louis Lee Haggin, the great White Orpington specialist. To the one sending in the second best article will be awarded a \$50.00 trio of Single Comb White Orpingtons, direct from Mr. Haggin's yards and to the one sending in the third best article will be awarded \$40.00 worth of eggs from Mr. Haggin's best matings.

We are pleased to publish herewith the three winners, as follows: First prize, Mr. F. J. Rothplete; second prize, Mr. James R. Brown, and third prize, Mrs. S. C. Jackson.

The interest manifested in this contest was truly amazing, 94 articles being sent to us for competition. A large number of these articles were so good that it was a hard job for the judges to make a selection of the best three. The judges were Mr. Louis Lee Haggin, who—after reading all 94 articles—selected the best twenty, and Mr. James W. Bell, editor and Mr. Clarence Ward, assistant editor of the American Poultry Journal, who selected the three final lucky prize winners.

In making this liberal offer to our subscribers Mr. Haggin had only one object in view, and that was to create a greater interest in White Orpingtons and to impress upon the people of this country the good qualities of this truly great variety of fowl.

Attention is called to the fact that not one of the winners is now nor has been a display advertiser in the American Poultry Journal during the past year, thus proving the fairness of the awards. However, we received quite a number of articles for competition from some of our display advertisers, but all articles were judged strictly on their merits regardless of whether the contestant was an advertiser or only a subscriber.

We congratulate Messrs. Rothplete and Brown and Mrs. Jackson on winning these splendid prizes and wish them every success with their chosen breed which they so ably championed. We also wish to thank all the other contest-

ants who sent us articles and hope they will not cease in their efforts to help push and make the "White Orpington the best utility fowl."

### FIRST PRIZE ARTICLE.

Won by F. J. Rothplete, Birmingham, Ala.

The breeding of poultry was known a thousand years before the Christian Era, apparently all varieties having, as a common origin, the Gallus Bankiva, or Jungle fowl, of the Indies. The fighting qualities of the game cock won it a place in every part of the world, and when the Romans invaded Great Britain, Caesar records the finding there of game cocks which had been introduced by the Phoenicians, but, that the Britians seemed to have little or no knowledge of the fowl as a regular article of food.

China, where the supply of any kind of quadrupeds for food has ever been entirely inadequate to the necessities of the dense population, has for centuries consumed enormous quantities of poultry, mostly fowls and ducks. That much attention was there given to the development of the utilitarian side of poultry breeding is shown by the fact that most of the large modern breeds of fowl come from China; the Cochins, Brahas, Pootras, Shanghais, Langshans, etc. In all of these the close feathered, long necked and limbed, hawk headed, small bodied type of the fighting cock, as still shown in the Jungle fowl and modern game cock, was as far as possible eliminated, and large bodied, short necked and short limbed fowl, with quiet dispositions, "good feeders," show the regular development of the market fowl.

In Egypt too, for centuries, the raising of poultry as an article of food has been systematically conducted. Our modern incubator is only a modification, or elaboration on modern lines, of the hatching ovens of Egypt that date back of the Pharaohs. It would seem probable that the breeds now generally known as the Mediterraneans can trace their origin to Egyptian ancestry. This is a materialistic age. We still have our poultry fanciers, men and women, too, who breed poultry largely to gratify their love of the beautiful, or their ambition to excel others in the production of fine birds. The strife for supremacy in "points" has been carried to such an extreme that the more important features, from the utility point of view, have been either forgotten or disregarded. With "constant in-breeding to perpetuate this or that supposedly valuable "point" the prime factor in any line of breeding, constitutional vigor, has been in many breeds or strains largely lost. Productivity has been lessened and fertility reduced, and, while "fine feathers make fine birds" and the fine birds may please the eye of the fancier, they often



fall far short of that equally desirable feature, filling the breeders' pocket.

And yet, this reckless striving for fine points is unnecessary and it is well within the bounds of practicability to have a breed of fowl that possesses, in an eminent degree, points of real beauty and also equally valuable from the commercial utilitarian point of view. This has been done and today we have breeds that can gratify both the love of the beautiful and the need for practical, financial results.

And without detracting in the least from the merits of other breeds, the writer is compelled to give the palm to the grandest of all birds, the beautiful White Orpington, and gives

Ten Reasons Why the White Orpington is the Best Utility Fowl.

#### First: Constitutional Strength and Hardiness.

Constitutional strength and vigor is the first prime requisite. The perpetuation of the points upon which a breed bases its claims for supremacy depends absolutely upon the power of transmitting them unimpaired from one generation to another. No breed can excel the White Orpingtons on this point; few, if any, can equal them.

#### Second: Immunity from Climatic Changes.

Immunity from effects of climatic changes is an immediate result of constitutional strength and hardiness. Besides, the moderate size of the White Orpingtons' combs preserves them from injury by freezing in winter in the colder states, while their freedom from leg-feathering also saves them from troubles when on low, wet grounds. The breed has proven in every country where it has been introduced its wonderful adaptability to all climates and conditions.

#### Third: Fertility.

With strong constitutions and immunity from troubles from changes of climate, it naturally follows that the White Orpington excels in high rate of fertility. It is common to obtain from 85 to 95 per cent hatches with them.

#### Fourth: Productivity.

They excel in egg production. Whether in America, in Australia or in England, the White Orpington excels in average total annual egg production. In Australia, where the largest and most thorough egg-laying contests have been made, they lead all others. In the last completed contest, the leading pens were all White Orpingtons. The two highest pens averaging for every hen 252 and 241 eggs respectively each for twelve months. In the United States they hold the same position and especially during winter months.

#### Fifth: Excel as Winter Layers.

It is during the winter months, from October to April, that the market demand for eggs is the greatest, the normal supply the least and prices the highest; this is the season when the White Orpington is at its best, as all egg-laying contests show.

#### Sixth: Size and Quality of Eggs.

Eggs for market, to command the highest prices at any season, must be of the largest size, uniform in shape and color. Most of the breeds making big claims for egg production lay eggs ranging from  $1\frac{3}{4}$  to  $2\frac{1}{2}$  ounces, very few as high as  $2\frac{1}{2}$  ounces. The White Orpingtons lay eggs from  $2\frac{3}{4}$  to 3 ounces in weight, and very uniform in shape and in color. They are above the market standard and when, as is certain in the near future, eggs are graded in size or sold by weight, the White Orpingtons will have a tremendous advantage.

#### Seventh: Gentle Disposition.

They are very tame and gentle and easily kept in confined runs if necessary. From their disposition they are "good feeders," assimilating food easily, mature early, grow rapidly, and whether for the table or as layers, pay a larger profit, in less time, than any other breed.

#### Eighth: Good Mothers.

They are good setters, requiring no special attention, and take excellent care of their broods.

#### Ninth: Largest of Clean-Legged Fowl.

They are the largest of all the clean-legged breeds. At seven to eight weeks they produce soft broilers of two pounds weight; at six months they make splendid roasters of eight to ten pounds weight; caponized, at twelve months they make the choicest of fowl, weighing twelve to fifteen pounds. Their flesh, at all ages, is of the highest quality and flavor.

#### Tenth: Best and Most Profitable Breed.

Their pure white plumage and graceful shape make them fowls of rare beauty, and, added to the points of excellence enumerated above, not to be found combined in any other breed of fowl, make them the most sought for and popular, the easiest to sell, at the highest prices, and by far the most profitable breed of fowl ever known.

### SECOND PRIZE ARTICLE.

Won by James R. Brown, New Berlin, Ohio.

Firmly believing, through experience, the White Orpington to be the best utility fowl in the field, I take this opportunity to give my reasons in answer to the offer of Mr. Louis Lee Haggin, Russell Cave Poultry Farm, Lexington, Ky. to subscribers of the American Poultry Journal.

Utility is defined, "Fitness for some desirable practical purpose, serviceableness." The practical purposes for which poultry is kept are "Breeding," "Egg-Laying," and "Table-Use," and to these ends the White Orpington is utilized with the greatest satisfaction to all concerned.

There are reasons.

The great vigor and unequalled health which were qualities aimed at by the original promoters in the development of this new and excellent breed, was fundamental with Mr. Cook, who, through scientific knowledge and ability, has given us a very strong and healthy bird, the essential quality of a utility fowl. To the name of Mr. Cook we add Miss Carey, Mr. Louis Lee Haggin, Jackson, Byers, Brady, Aldrich and others who have given thought, time and money to the development and improvement of poultry, culminating in the splendid health and vigor of the White Orpington.

It is generally admitted that the White Orpingtons are prolific layers of large and beautifully tinted eggs. They will produce in winter when eggs market at the highest price. This is in harmony with facts shown in egg-laying contests in Australia as far back as 1903 and 1904. This splendid feature was also demonstrated in the United States at Storrs and Mountain Grove and this year in the month of February at Mountain Grove the pen of pullets owned by Mr. Louis Lee Haggin was awarded the silver cup for the laying of the largest number of eggs. While it is an honor to win the cup, it is perhaps a greater honor and satisfaction that the feat should be accomplished by White Orpingtons.

The White Orpingtons' table qualities are of an excellent grade. Their large frame with deep, full breast is covered with a large amount of the finest flavored meat and for this reason are rapidly crowding to the front for table use in place of the yellow-skinned older varieties. Their pearl-white skin and clean appearance on the market greatly adds to their demand and the people have learned by the test of taste that this skin covers flesh well flavored, tender and juicy, the peer, if not superior to that covered by the yellow skin varieties.

As a market fowl they stand high and are unsurpassed as broilers or roasters. Dealers find the demand increasing for the White Orpingtons as a market fowl wherever known. They are noted for their well-shaped and deep bodies with their full broad breasts bearing almost as much white meat as a turkey. The chicks develop rapidly and will grow more ounces in a given time than almost any other variety. Through this early maturity they are ready for the market with more weight, better meat and quicker returns than found in any other breed.

They are adaptable to the varied climate conditions of the world. They thrive equally well throughout the entire continent, for from Maine and the cold New England



hills to the balmy air of the sunny South you will hear their praises sung. Reports from the lowlands of Holland and Belgium, the mountains of Switzerland, Norway and Sweden in the North and from South Africa, bear testimony of their popularity in other lands. Denmark has established a breeding center where White Orpingtons are exclusively kept for distribution, having the special object in view of improving winter laying for the English markets. Why this world-wide popularity of White Orpingtons? Because of their absolutely superior "Utility Qualities."

Their adaptability to environment is shown in the fact that they thrive equally well in the small yard or on the free range. Hundreds of breeders recommend them as the embodiment of perfection in yarded fowls and Mr. Philo, having adopted them under his intensive system with great satisfaction, recommends them very highly as utility fowls. So, whether in yard or free range, the White Orpingtons are adapted to the environment with equal success.

They show strong instinct in their reproductive qualities. They lay well throughout fall and winter and become "broody" early in the year. They are excellent setters and good at mothering chicks, but where incubators are used and not needed for this purpose, they are easy to break off. To my observation they breed true to type, that is, if stock is good you get good results and will find fewer occasions where they do not breed to type than any other fowl.

The White Orpington is one of the most docile, tame and easily handled of fowls. Where yarding is necessary, a four foot fence is all that is needed, yet you find them very industrious in yard or pen and when given free range they are the best of foragers.

From a beauty standpoint, the White Orpington is universally acknowledged to be beautiful and pleasing to the eye for there is always that attractive appearance and perfect symmetry which places them second to none as birds of beauty, whether in show-room or on the farm.

From a monetary standpoint they are the best utility fowl known. Never were such high prices paid for fowls before the advent of the White Orpington. To be convinced of this, look up the price lists of some of the leading breeders of the day and note through comparison the much higher prices asked than that of other breeds.

In conclusion, my ten reasons why the White Orpington is the best Utility Fowl, are briefly as follows:

1st—Health and Vigor. 2nd—Egg-laying Quality. 3rd—Table Qualities. 4th—General Purpose as Market Fowls. 5th—Adaptability to Climate. 6th—Adaptability to Environment. 7th—Instinct of Reproduction. 8th—Docility. 9th—Beauty. 10th—Monetary Value.

### THIRD PRIZE ARTICLE.

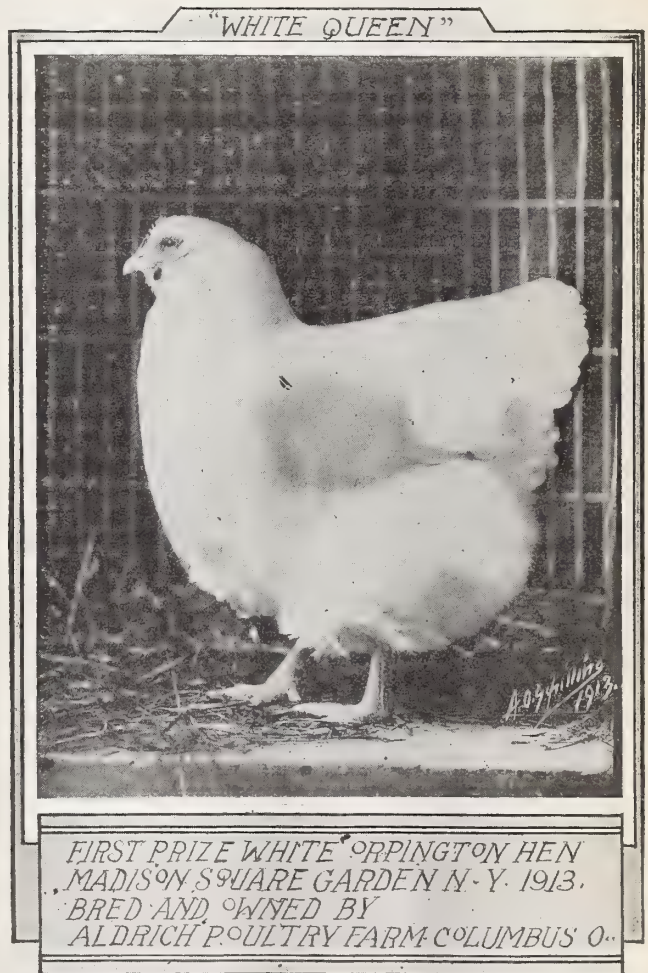
Won by Mrs. S. C. Jackson, Fort Worth, Texas.

1st. In the first place, what seems to me to be one of the most—if not the most important qualifications to be desired in a fowl for general utility use, is the matter of size. This is especially true if one intends marketing broilers, fryers, and the full grown fowls for eating purposes. A fine, plump fowl will not only bring in more money when sold, either by the pound, or so much a head, but will also show up much better and look more attractive, and in this way build up a demand among your customers for this breed of fowls. The White Orpington from the start, is a large bird, being one of the largest fowls raised, and weighing, when full grown, all the way from seven to eleven, and even twelve pounds. Naturally, a bird of this size will sell to much better advantage than one of the same age and height, but without much flesh on their frame.

2nd. In this same connection may be mentioned the superior eating qualities of this fowl, as the meat is of very delicate, delicious flavor, and is one of the most satisfactory for this reason. In contemplating raising poultry for market, this is a matter not to be overlooked, as quite a demand may be created on the score of fineness of the meat, and general delicacy of flavor.

3rd. Of scarcely less importance to a poultry raiser who is in the business for profit, is the length of time required before the birds are ready for market. Time is a most important consideration, as a dealer or raiser who can get his wares on the market a few weeks ahead of his competitors, stands a good show of holding his trade throughout the season, and is very likely to be remembered the following spring as one on whom to depend for early broilers. The White Orpingtons on account of their rapid growth, make earlier broilers, being ready for market long before other varieties hatched at the same time are large enough.

4th. Of paramount importance to the quality and desirability of the White Orpington for eating purposes, is its splendid laying qualities, as a raiser intending to market eggs, not only wishes quantity, but quality, which embraces size and flavor, and also wishes his poultry to arrive at the egg-producing stage as early as possible. The White



Orpington possesses in no small measure all of the above requirements, perhaps the most important being the length of time required to arrive at the age for laying. This is a valuable point to a poultry raiser, who can count on his young White Orpington pullets beginning to lay within about four months from the time of hatching, and in this way he loses very little time in waiting to begin marketing the eggs.

5th. The White Orpington hen, from the time of beginning to lay, is a steady, constant layer, producing more eggs in a given length of time than any other breed of fowls, and seemingly unaffected by any conditions that cause the supply of eggs to suddenly diminish, and wreck havoc with a poultry raiser's plans and contracts. The wise fancier who wishes a steady, continuous, and liberal supply of eggs on which he can count, and make contracts with his customers, will not fail to put in the White Orpington, as their qualities in this direction are unexcelled. The eggs are not only numerous, but not lacking in quality and size, as so often is the case when large numbers are



produced. The eggs are large, fine shape and size, and of a rich, delicious flavor, which will certainly create and hold a trade, which will stay with you and demand the White Orpington eggs.

6th. In this same connection, and of equal importance to the poultry raiser, may be mentioned the fact that the White Orpington hen loses no time after setting, but begins laying again in record time. In about six weeks from setting time the hen is again to be counted on for her regular quota of eggs. This is unusual, and of great value to any one marketing eggs.

7th. One point of which mention has been made already in a general way, or at least having a bearing on the qualifications previously treated, is the fact that the White Orpingtons mature earlier than other varieties, thus being ready for mating and breeding while still quite young. The eggs from their first pens contain a very large percentage of fertile eggs.

8th. Of scarcely less importance than what has already been mentioned, is the fact that the White Orpington is one of the healthiest fowls known, requiring little attention beyond the ordinary precautions of cleanliness,

proper protection from the weather, and correct rations, which every modern and intelligent poultry raiser understands. The young chicks are bright and active, and continue to be active and healthy—of course under ordinarily favorable conditions. This is an important factor in considering the breed to put in, as a healthy fowl is always a good recommendation of one's yards, as well as being a source of great satisfaction to the poultry raiser himself.

9th. As a contributing agent to the last mentioned qualification, may be stated the fact that the White Orpingtons are great rustlers for food. This keeps them healthy and lively, and is of value to a poultry raiser, especially where there is a place of any size for them to run and scratch. They keep busy, and consequently are never lazy or sluggish.

10th. In summarizing will say that the White Orpington is the best all around fowl on the market, having so many sterling qualities, and with few—if any—drawbacks. There is nothing lacking of the qualities which go to make up a desirable fowl for table, market, or breeding purposes which are the three objects for which fowls are raised.

Therefore, the White Orpington is the best utility fowl on the market for all uses, which I have tried.

## Weismann and Mendel Interpretations

If Those Qualities Alone Are Inherited Which Are Innate in the Germ Cells, Where Do They Get Them?

By H. H. Stoddard, Riviera, Texas



ARE the microscopic reproductive creatures, the ovum and the spermatozoon (also called female gamete and male gamete) the preeminent foundation of race characteristics of animals,—are they the prime movers, so to speak? Or are adult animals (or those developed to the age of puberty) in which the gametes are found, the real racial foundation? In other words, do the parents bestow specific characters upon the gametes their bodies hold, and so are the real race foundation; or do the gametes give specific qualities to the grown animals developed from them? Or are both these propositions true

by turns, the parents deriving their characters from the gametes from which they sprang and their giving their characters (more or less modified) to the respective gametes (ova and spermatazoa) within them, which determine the characters of a another generation of parents, to give character to new gametes, to give character to the next generation of parents, and so on, and on?

Listen to one prominent spokesman:

"Until the publication of Weismann's work it had been generally accepted that the modifications brought about in the individual during its life time, through the varying conditions of nutrition and environment could be transmitted to the offspring. In this, biologists were but following Darwin, who held that the changes in the parent resulting from increased use or disuse of any part or organ were passed on to the children. Weismann's theory involved the conception of a sharp cleavage between the general body tissues or somatoplasm and the reproductive glands or germplasm. The individual was merely a carrier for the essential germplasm whose properties had been determined long before he was capable of leading a separate existence."

To make the quotation plainer, the spermatozoon according to Weismann is composed of a kind of plasm that carries a sort of influence (comparable to magnetism) that in some way reaches all the spermatozoa of the next generation and determines their character and this independent of the character of the individual parent of said generation. I said comparable to magnetism, but by this I mean only comparable in the mysterious unknown methods of transmission. Just as one piece of magnetized metal can transmit magnetism to another, which can in turn trans-

mit to another and so on; Weismann taught that all the traits that are hereditary were brought down from one spermatozoon (or ovum) to its descendant of the next generation uninfluenced by the individual animal in which the spermatozoon or ovum temporarily dwelt. In short, two tiny gametes virtually constructed the individual though as large as an elephant, from beginning to maturity, (by the help of outside supply of nutriment) and gave it shape, size, color and all its racial and specific characters and traits even to an expression of countenance or peculiar gesture or mannerism of any kind. But wonderful to relate, the individual gives nothing to the tiny gamete that it did not have before, to be passed on to the next generation! The individuals inherit their whole essential character from the gametes; but the gametes inherit nothing from the individuals.

So say some of the followers of Weismann and interpreters of Mendelism. Prof. R. C. Punnett, regarding the human race writes:

"At the moment of union of two gametes (spermatozoon and ovum) is decided the character of another zygote (fertilized cell, from which the embryo proceeds; the term zygote also covers the young animal developed from the embryo and the same animal in youth and maturity) as well as the nature of the population of gametes which must make its home within him. The union once affected, the inevitable sequence takes its course, and whether it be good or whether it be evil, we, the zygotes, have no longer power to alter it. We are in the hands of the gametes; yet not entirely. For though we can not influence their behavior, we can nevertheless control their unions if we choose to do so. By regulating their marriages, by encouraging the desirable to come together, and by keeping the undesirable apart we could go far towards ridding the world of the squalor and the misery that come through disease and weakness and vice. But before we can be prepared to act, except perhaps, in the simplest cases, we must learn far more about them. At present we are woefully ignorant of much, though we do know that full knowledge is largely a matter of time and means. One day we shall have it, and the day may be nearer than most suspect.

"Whether we make use of it will depend in great measure upon whether we are prepared to recognize facts, and to modify some of the conventions which we have become accustomed to regard as the foundations of our social life. Whatever be the outcome, there can be little doubt that the future of our civilization, perhaps even the possibility of a



future at all, is wrapped up with the recognition we accord to those who live unseen and inarticulate within us—the fateful race of gametes so irrevocably bound to us by that closest of all ties, heredity.”

That poets are born not made, and that orators, scholars, musicians, artists, skillful workmen, and people of ability of every sort are on the same list, was known before Weismann, Mendel and de Vries, and even Darwin wrote or thought “Chip of the old block,” or its equivalent, appears in the proverbs of all nations and was inscribed on the bricks of Egypt and Babylonia ten thousand years ago. Most certainly the essential nature of every human being is fixed even before birth. It is stamped when the spermatazoon enters the ovum and the twain are made one. From fertilized ovum through all the stages of the developing embryo to birth, the real character of the child is fixed, and no sort of environment or amount of training or education can do anything more than to develop that which is before education begins. This fact was known before Weismann was born.

But the proposition that both male and female gametes carry bundles of ancestral influences, and that two gametes when united form the essential character of the new individual, is a different thing from the proposition that the life experiences of this individual cannot in any way modify the next generation of gametes, that are living, growing and multiplying within his body during fourteen years or more.

That untold millions of characteristics are held in a race of animals in a latent or potential condition for generation after generation, without cropping out at all so far as can be discovered, and that when spermatazoon and ovum (that is male and female gamete) unite to form one cell which is the starting for an adult animal; there is a sorting out and new combination of traits, so that the next individual is different from any which ever existed previously in all the interminable past ages, was known before Mendel's time. He discovered an orderly and precise manner previously unknown in which the sorting and combinations occur—that is all. For instance the color of people's eyes is inherited in the following manner: When both parents have blue eyes all the children have blue eyes. If both parents have brown eyes all the children may have brown eyes or one-fourth of them may have blue, the latter inheriting from a grandparent. When one parent has brown eyes and the other blue, either all the children will have brown eyes or half will have blue. Not thousands but numbers incomprehensible of physical, mental, and moral traits are transmitted, or skipped, in the same orderly manner as the color of eyes. The facts of transmission and skipping, and that the microscopical fertilized single cell is the transmitter were known before Mendelism was in vogue. The orderly manner was, however, unknown.

The belief prevalent previous to Mendel's day that the gametes are modified as regards their heritable qualities, by successive generations of animals in whose bodies they dwell, is perfectly compatible with his discoveries. Yet thus far most Mendelists have contended very strenuously that while gametes transmit traits to an animal, yet the animal cannot transmit anything heritable to gametes, or influence them in any way except as they may be boarded and lodged a little better or worse while entertained by their hosts.

But the world do move and later Mendelists are arguing substantially as follows:

The earlier disciples of Mendel have been intemperate. Professors and authors have magnified their own importance. Like politicians when election returns are not all in, they have claimed everything. Discovery of the orderly scheme by which, as Mendel has shown heredity proceeds in the reproductive organs and their products, and in the marvelous fertilized cell, does not necessarily upset the gist of the old Darwinian doctrine. Rather it expands and confirms it. Darwinism boiled down, is simply that through descent with modification, old species are transformed into new ones and generally gradually. He insisted that through prepotency, atavism and the sudden jumps as startling strange combinations of remote ancestral characters, sports appeared which sometimes transmitted their peculiarities strongly and helped to form new species.

He would have eagerly welcomed as reinforcing his position, both de Vries with his discovery of wonderful leaps

in heredity, and Mendel with his showing how in fertilization the apparent hit or miss struggle of a host of factors could be resolved into an orderly weaving together of warp and woof comprising factors towards which nature had mysterious preference.

Gametes must change from generation to generation or there can be no evolution, and all followers of Weismann, Mendel and de Vries of whatever school, are strict evolutionists. Now what causes the gametes to change?

Dr. Pearl says, “Those qualities alone are inherited which are innate in the germ cells, the ovum and the spermatazoon.”

But—and a big but—where do the germ cells get the “qualities”? The geneticists have been telling us that they inherited them from previous germ cells. Not from animals, in their embryonic stage, or their childhood, youth, maturity, or any other stage. The animal with all its “parts and passions” dies and dissolves. Not a trait, physical, mental, moral, or spiritual, did it ever send or could send by germ cells or any other carrier to future generations, so we have been told. Where did the previous germ cells get the “qualities” Dr. Pearl tells about? We are re-



Unretouched picture of Single Comb White Leghorn Cockerel, showing type bred by Eugene C. Smith, 317 Galena Boulevard, Aurora, Illinois.

minded of the Hindoos who say the world is supported by a big tortoise which stands on the back of a big elephant but what the elephant stands on they have never learned.

It is curious to see the manner in which the question where and how the gametes get the qualities they bestow, is dodged. Thus, Prof. Punnet says: “We now regard it (the individual animal) as an organism built up of definite characters superimposed on a basis (the gametes) beyond which for the moment our analysis will not take us.” This amounts to saying “nobody at present can tell where the gametes procure the traits they carry,” yet Prof. Punnet claims that it is known that they are not originally procured from the animals they live in, and surely he must claim too that they are not procured directly from the outside world of earth and air and water and living things. These cannot affect them at all except as indirectly they afford, through the blood stream of the host, material substance to enable them to grow and multiply. Negative knowledge lies around in big hunks, but positive knowledge in this particular matter is nil, according to the earlier Mendelian writers.

But after discussion has sufficiently simmered down, it will have to be acknowledged that animals certainly transmit heritable qualities to the gametes their bodies hold.

Birds on islands supposedly never previously visited by man, Darwin found out by personal experience, when voy-



aging "in His Majesty's ship the Beagle," would alight on his shoulders, and also would drink from a pitcher in his hand. Experience with boat's crews on such islands leads to a fear of man by the birds that is transmitted by their young and evinced when they have never before seen a man. The fear the adults experienced was, in a latent or potential form, bestowed upon spermatozoon and ovum and thence passed to the fertilized egg from which a young bird is hatched which inherits the same instinctive fear of man that it feels toward hawks or like enemies, and which its race has felt for ages.

Every instinctive love and hate any race of animals possesses, began in experience of individual zygotes. Gametes can have no primal experience of anything at all which is environmental to individuals, for the gametes are hidden in the individual's bodies and exempt from direct influence of the outside world. The environment of the gametes is



FIRST PRIZE S.C. BUFF ORPINGTON COCKEREL AT  
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ORIGINATORS OF ALL THE ORPINGTONS.

the individual it lives in. The environment of the individual is the world it lives in.

The gamete is influenced by only two things, namely, heredity and environment, and the individual is influenced by only two things, namely, heredity and environment.

The love of a particular sort of food and aversion to some other sorts is transmitted in a latent form by gametes but they do not eat at least not with mouths, and therefore the individual had to have gustatory experience in the first place or gametes would have no latent gustatory predilection nor repugnance to carry to the next generation.

Species can change as time rolls on only as gametes change and gametes change as the zygotes (individuals) which are their hosts, change. The hosts change through effects of their environment and this change effects the gametes that board and lodge and propagate their kind within them. The changes are usually not marked or sudden, however, or there would be no temporary apparent fixity of species, but chaos would reign.

"Nothing is constant but change." Among the myriads of cells innumerable as the stars of heaven that are in the

body of the parent and necessary before there can be a speck of protoplasm called a gamete, not one of these cells is like any other.

There is a continual process of differentiation and specialization going on, no cell can possibly be exactly like its predecessor, which died (as an individual creature) that it might leave two descendants which are not exactly like each other or exactly like any cell that ever lived or ever will.

Mendelism, or the new genetics, or whatever it may be called, offers at its present stage, no new practicable instructions for mating and breeding either the lower animals or humans. The professors who say that the old rule of "breeding from the best to get the best," is no good; turn right around and prescribe methods that amount to the same thing. In May issue page 847, last part of column one, I showed how the breeder seeking high fecundity of fowls by whatever light the study of Mendelian laws has given, down to date; simply culls the best from which to produce the best in essentially the same way that has been practised in the past. And turning to the human species, the young man who has never heard of Mendel's discoveries but is anxious to mate with a partner likely to present him with children physically, mentally and morally admirable, must simply seek to wed an admirable woman of a good family, i. e., good so far back as it can be traced.

It should be noted that when the importance of eugenics becomes known to legislators, the public archives will contain records of a great many things besides merely dates of marriages, births and deaths. Teachers, vocationers, physicians, expert alienists and psychologists, all these, empowered as officers of the law, will add to the records complete life statistics of every citizen of the republic from birth to death. What? Shall records of the qualities of race horses, cows, and hogs even, be kept, while in ordinary cases not a blessed thing is known about a human being's great grandparents, their temperament, disposition, intellectual parts, physique, customary degree of health, not even their stature and complexion?

The information given by such records, interpreted by the better understanding of the laws of heredity that is sure to come, will make the achievement of scientific marriage much more feasible by and by than it is at present, "a consummation devoutly to be wished."

The whole problem offered by Mendel's discovery, one of the most important as well as wonderful, in the annals of science, is such a complicated one that it will take generations to solve it, and at present the breeders of domestic animals, in common with the school of Eugenists who, seeking for definite knowledge regarding marriage unions likely to result in children of desirable sort, can derive little benefit or none at all from all that Mendelism can offer—in its present stage of development.

The president of the American Breeder's Association in his address before that body on his retiring from office January last, as reported in Farm Poultry, July 13th, page 156, recounted what had been accomplished through Mendelism to assist live stock breeders. After a laborious attempt to make a good showing, the "lame and impotent conclusion" appeared to be that the benefits to practical breeders amount at present to almost nothing at all.

All the above statements are from the newer Mendelians, not from the older, who say the newer claim too much. The wise investigator will probably wait till the differences between the new school and the old have been threshed out. Meanwhile the new school may derive solid comfort from the utterances of Sir William Ramsay, K. C. B., F. R. S., late as 1913, an authority of international fame, as follows:

"We cannot but be struck with the extraordinary fact that the resemblance of a child to his grandfather, not only in feature but also in mind and in trivial habits, involves the existence of cells in the father or mother, which 'lie low,' and yet carry with them all the characteristics of body and mind of a man or woman. Let us consider how subtle such a resemblance may be. It is certain that music as it effects us moderns is a comparatively recent art. We are safe in saying that a thousand years ago nothing like a modern sonata was dreamt of; the inhabitants of the East do not appreciate harmony; at all events harmony



is not part of their native music. Now it is not infrequent for a child to be born a "musical genius;" at the age of three or four, some exceptional children appreciate complicated music and even perform complicated and difficult pieces. This must have been inherited, but the faculty of appreciating complex music cannot date back more than say a thousand years; it would appear then, that the germ is influenced by its surroundings, as well as by its ancestors. But I have here touched the fringe of a dispute on which opinion is much divided. (Yes there are the new and the old Mendelists.)

"Like physical characteristics, memory is also capable of transmission, the son often inherits a good memory from his father. But it has been said, for example, in that interesting book, 'The Soul of a People' in which the life of the inhabitants of Burmah is described, that cases are known where a child, born of parents living in a village, not their own, to which they had migrated, was able to recognize people and to 'remember' events which had taken

place in the native village of his parents, of which he could have had no direct knowledge. Is it possible that a memory for particular events is sometimes inherited?

"That memory of coordination gained by the parents can be inherited by the offspring admits of no doubt. In his book on 'Animal Intelligence' Professor Lloyd Morgan describes observation which he made on swallows. Their nest was under the eaves, and for long the parents fed and attended to their young brood. The day arrived for them to leave the nest; and without any practise each fledgling dropped out of the nest, flew backwards and forwards, and without the least hesitation, entered the nest, just like an old bird.

"The wonderful power of control of muscles, of guiding motion and of correlation of brain and eye must have lain in the germ of these birds, until the time for their use arrived. Examples of the sort might be given by the thousand; although the one mentioned is perhaps particularly striking."

## The "Day-Old" Chick Business

Custom Hatching Is Here to Stay. It Will Help, Not Injure, Other Branches of Poultry Husbandry.

By Prince T. Woods, M. D.



IN SEPTEMBER American Poultry Journal we published an editorial on "Day-Old Chicks," commenting on discussion of the subject occurring during the closing hours of the Atlantic City Convention of the A. P. A.

In the September Inland Poultry Journal we find the following editorial in which Editor Theo. Hewes joins the crusade against custom hatching:

"Custom Hatching Should Be a Local Business.

"We are convinced that the shipping of day-old chicks for more than very short distances is an inhumane practice and that buyers of chicks so shipped frequently fail to get their money's worth.

"Some few years ago when the baby-chick business was new in this country we were as interested in its development as most others. Having no experience of our own as a guide we were obliged to appeal for information concerning the success attending shipments of baby-chicks to those poultrymen who were inaugurating this new industry in America. The information received was glowing and enthusiastic concerning the possibilities of the business and invariably comprised the assurance that complaints received from investors in baby-chicks were few and inconsequential. These statements we accepted and for a while were content; but information has been coming to us insistently and without solicitation that the day old chick business is not the success that its promoters would have us believe. Breeders in a position to render impartial verdicts have not hesitated to say that the day old chick business is unsatisfactory, both to themselves and their customers; that replacements of chicks are necessary in so many cases that they have come to regard it as the regular sequel to a baby-chick shipment; and that even those chicks which reach their destination in apparent good condition are frequently subjects of high mortality and of ailments which permit few of the chicks to attain creditable maturity.

"Fairness to the men who are engaged in shipping baby-chicks necessitate the admission that concerning those who have advertised in our columns we have received very few complaints, and these few have been promptly cared for. We have no doubts, however, that these men have received many themselves and have stirred themselves to silence all complainants, knowing that it is only the neglected kicker that appeals to the editor. And there is another and more potent reason why the day-old chick business has run along with so little outside evidence of dissatisfaction. That reason is the shippers of day-old chicks live up to their

guarantee and by so doing silence a would-be complainant by reminding him that they have lived up to the full letter of their agreement.

"The baby-chick man guarantees full count on arrival. He includes in practically every shipment some extra chicks to replace those that he thinks may die during shipment. Thus the buyer who has ordered fifty chicks may find himself in possession in due time of fifty-one or fifty-two live chicks and half a dozen dead ones. The buyer is pleased. He has fifty or more chicks alive and most of them apparently in good condition. He writes the shipper a fine letter telling him how pleased he is and then returns home to watch his chicks during the subsequent weeks drop off one by one until he has left from his fifty only a handful of scrawny, scrubby, ill-looking specimens to show for his venture in the poultry business. He may not suspect the real cause of his trouble, thinking, perhaps, that his care and feeding were at fault. He concludes that the poultry business is not for him and unless disillusioned is another of those who say that the poultry business is best left alone.

"Now the truth of the case is that a day-old chick cannot be confined for one, two or three days in a small box and be subjected to the conditions of privation and discomfort that are enforced on baby-chicks in transit and not suffer from the ordeal.

"Such treatment accorded to baby-chicks in the breeders' yards would be expected to result in practical annihilation of the brood and there is no reason for supposing that the consequence should not be fully as serious for chicks in transit. Baby-chicks will survive for days and weeks after having been subjected to exposure known to be serious, and so will survive a journey of many miles only to succumb later to the consequences of their trip.

"It is possible we hope to develop large local business in custom hatching. This seems to us the proper field for such business. Conditions must change greatly to permit of successful long-distance shipments being common, and by long-distance shipments we mean all requiring more than a few hours from shipper to purchaser.

"It seems evident that those who wish to make a beginning with poultry will do much better to purchase eggs and hatch their chicks on their own premises unless they can be secured locally where they may be carried home under the careful eye of their new owner."—(Theo. Hewes in Inland Poultry Journal).

The above quoted editorial surprised us. We thought Mr. Hewes knew more about chick rearing and more about custom hatched chicks than the editorial would indicate. We also would expect to see a bigger and broader view of the subject and less prejudice in evidence in the handling



of it. We believe that Mr. Hewes and others who have taken up the fight against the day-old chick business are on the wrong side of the fence and that they would do much better to climb over the fence again and boost for a bigger and better day-old chick business and try to remedy any evils which may exist. It is a whole lot better to build up than to tear down. If you must tear down, at least try to put something better in place of that which you destroy.

We have been handling "information bureau" and complaint or inquiry correspondence in the poultry field for a good many years and there isn't a single other branch of the poultry business, or of several live stock businesses that we have not heard countless complaints urged similar to those which Mr. Hewes lays at the door of the day-old chick business. And it will be noted that he has to admit that the "business has run along with so little outside evidence of dissatisfaction." Personally we can number the complaints we have ever received about day-old

the middle of August. He operates 52 incubators having a total capacity of 20,280 eggs at one sitting. He tells us that he averages about 250 chicks to the 390 eggs set. His biggest hatches have yielded him 300 chicks from 390 eggs and his lowest hatches have not fallen below 200 chicks from 390 eggs. He gives the selection and care of eggs prior to hatching and the eggs during incubation the most careful and constant attention.

We looked through a big pile of correspondence and in many cases we found reports of satisfaction on the part of purchasers as far north as New Brunswick and south to Maryland. Chicks were reported as arriving in fine condition. In many cases there was no mortality during transit. Many customers were purchasing again because pleased with the results of previous purchases and many reported fine growth and development with very few losses. No, we didn't go there to find only the rosy side of the business and we probed deep into the trouble end of the business. We found complaints very few. Where we found complaints the trouble occurred during transit. In most cases the express agents had allowed the chicks to be smothered. In a few cases the boxes had been opened by some kindly disposed but misguided attendant who had fed the chicks during transit and so through mistaken kindness caused loss and death. Mr. Keith told us that he believed that the total loss of chicks for the entire season due to transportation or other causes during shipment did not exceed two per cent of the chicks hatched. That of course was only a good guess, as there must have been many shipments from which he never had a report, but we believe it is not far out of the way.

Losses during shipment were naturally heaviest in hot weather, yet many shipments went through with no loss at all. He turned over to us the receiving clerk's statement for two years, (statements which accompany check in payment for live chicks sold at wholesale to a big supply house) and these records were complete in matter of report on condition of chicks on arrival and number dead. Shipments of January and December hatched chicks did not show the loss of a single chick. Out of eighteen thousand chicks shipped to this firm in one season the loss did not exceed an average of  $2\frac{1}{4}$  per cent. Out of 1,320 day-old ducklings shipped to one customer the loss was only 43 dead or about  $3\frac{1}{2}$  per cent. As everybody knows baby ducklings are about the most timid creatures on earth and are easily scared to death, so much so in fact that visitors are not welcome on plants growing ducklings in large numbers.

Some time ago R. C. Caldwell, of Lyndon, Ohio, furnished us with the information that he had successfully landed a shipment of day-old chicks in Mexico City, Old Mexico, which is 4000 miles from his hatchery. One shipment was on the road three days and nights and made seven express transfers and every chick was alive and well on arrival. Mr. Caldwell assured us that the loss rarely exceeds two per cent and that chicks can be shipped with entire safety up to fifteen hundred miles express journey.

All successful custom hatchers with whom we have talked agree that "day-old" chicks can be shipped with entire safety under ordinary transportation conditions an express journey not to exceed three days. They also call attention to the fact that, as a rule, newly hatched chicks are better off if not fed for the first 72 hours immediately following hatching, even when kept at home. It is necessary to get newly hatched chicks to destination during this first 72 hour period. They should be shipped just as soon as they are dry, ordinarily, and for long distance shipments may well be shipped before completely dry. Bear in mind that newly hatched chicks are better off without food or fussy attention for the first one, two or three days immediately following hatching, that they will go 72 hours without food without any injury or hardship, and that in a sensible shipping package they are often better off and more comfortable than they would be in an incubator nursery or in some anxious individual's brooder.

Personally, we have had quite a little experience with "day-old" chicks. We began buying when we lived in Salem, Mass., in 1894, or thereabout. With only a very few exceptions we have always had excellent results from pur-



BEAU BRUMMEL

First Prize Pen Cock, New York, 1911. Owned by The Willows Farm, Oscar Luedke, manager, Lock Box 488, South Bend, Indiana.

chicks on the fingers of one hand and we can't make that statement concerning other lines.

When we finished reading Mr. Hewes editorial, we drove over to the custom hatching plant of F. S. Keith, Easton, Mass., and took the magazine along with us and also a report of the attempt at Atlantic City to pass a resolution condemning day-old chick business as cruel, tending to disseminate disease and causing loss of vitality. We knew Mr. Keith would be interested and that he would talk freely with us about his day-old chick business.

Like most poultrymen who have grown up with their business, Mr. Keith does not employ a carefully detailed system of bookkeeping and filing and it was difficult to procure such data as we most desired, but he turned his memoranda, correspondence and shipment statements over to us for inspection without restriction and further assisted us with answers to all the questions we asked.

He custom hatches chickens, turkeys, ducks, geese and guinea fowls, and as near as we could estimate from such data as he had at hand he had, between December 11th, 1912, and September 4th, 1913, hatched and sold of all kinds a grand total of one hundred thousand. In the season of 1912 his shipments began February 1st and ended



chased chicks. In 1911 we had, we recall, one shipment of 200 White Rock chicks, received in a late April snow storm. They came a two day and one night journey, owing to delay in transit, and the top of carrier had been broken open so that the chicks were wet with snow on arrival. They had good care and as we recall it we lost only two of them, some were killed off as broilers and a few were stolen, but we brought some 175 to maturity and had over 100 pullets in the lot. A. F. Hunter, who certainly knows a good healthy chicken when he sees one, told us that fall that those White Rocks were the best he had seen that season. Out of some 1,500 day-old chicks which we purchased in one season we did not have losses from transportation and rearing included to exceed five per cent and in some cases we reared 100 per cent. Some lots of chicks came anywhere from 12 to 48 hours journey without the loss of a chick. We believe thoroughly in custom hatching and shall not hesitate to purchase chicks from points 72 hours express journey distant. Our only concern is that the man who hatches shall know his business and use eggs out of sound stock for his hatching operations.

might be considered in very good condition. Day-old chicks didn't have anything to do with that and they have nothing to do with your own disappointment, don't try to put the blame on an innocent and desirable branch of the business.

We are in some doubt as to the precise meaning of Mr. Hewes use of the word "inhumane." We presume he means to endorse the claims of cruelty in handling day-old chicks. Now let's not be foolish and maudlin silly in this matter. It is easy to stir up trouble and once stirred up it is sometimes difficult to quiet it down again. There isn't any cruelty in the proper handling and shipping of day-old chicks. There are probably some transportation abuses, but that is no argument against the average good conditions and the conditions must average fairly good or the losses would run heavier than 2 or 3 per cent mortality during transportation. When the open-air house campaign was started some tender hearted individuals, who feared cruelty, invoked the aid of the society with the long name to suppress such houses, but the agents of that society were sensible men and were convinced that the open-air houses are good and that there is no cruelty. The S. P. C. A. has al-



Members of the American Poultry Association visiting Rancocas Farm after the convention at Atlantic City.

It makes no difference what you sell or buy, the kicker is always with us, and nine times out of ten the seller or buyer or both are ignorant on matters essential to success in the venture, and it is that ignorance that is the cause of trouble and dissatisfaction.

To the fancier and breeder, who contemplates "getting after" the day-old chick business because he fears it may have injured his own trade in breeding stock and eggs, we say go slow, look before you leap and better not leap at all. The day-old chick business hasn't hurt your business at all and it isn't going to hurt it. It is true that for the past two years some breeders have suffered as a result of general business depression. It is not a new state of things and it has happened before. Recall that a few men at Atlantic City told how little they had ever made out of their business and the men who had made their little piles "said nothing and sawed wood." The day-old chick business has had nothing to do with business depression, and such depression as has been experienced has been felt all over the country and abroad and has been due to more general causes. A prominent banker remarked to a businessman friend of ours that the firm that pulled through the fiscal year just ended without a balance on the wrong side of the books

ready made some investigations in the day-old chick business and they have very properly stopped the sale of less than six chicks to a customer by city stores in some sections, the assumption being that one who will buy six or more chicks means to take care of them and try to rear them, while some purchasers of one or two merely bought them for children's toys. But don't get foolish and invite the society to step in and try to stop a perfectly legitimate and good business through a howl of "cruelty" that is not true and is neither fair nor just to the many successful men and women who are engaged in this branch of poultry work for a livelihood.

Don't raise the hue and cry of loss of vitality and of high mortality and "scrawny, scrubby, ill-looking specimens," that is neither a fair nor honest contention. Those things point back to two factors, either the breeding stock was not fit to breed from or the person running the incubators did not know his business. If these causes were not at fault then the manner of brooding and caring for the chicks was much more apt to be to blame than any conditions occurring during transportation. For goodness sake be sensible about it. We have heard all these claims before and they were laid at the door of breeding stock and



eggs for hatching and transportation abuses, when day-old chicks were sold in but few localities, or not at all, in this country. And certainly no sane person would want to interfere with the legitimate sale of eggs for hatching and of breeding stock.

Mr. Hewes seems to intimate that the reason there have been so few complaints concerning his advertisers who sell day-old chicks was that they hustled to beat him to it and to satisfy their kickers before they complained to the editor. What rot. Mr. Hewes knows that any honest advertiser is bound to try to satisfy his customers and will endeavor to do it even when he knows that the customer is unreasonable in his demands, and such men who are doing an honest and legitimate business don't let what is written to editors worry them. "I should worry and write the editor and console myself with a reading notice." He also knows that a large percentage of the "kicks" received by editors turn out on investigation to be the result of simple misunderstandings, or are often the result of failure on the part of the customer to know when he had his money's worth. Did you ever hear about the man who quotes a full Standard description of a perfect or ideal specimen and who expects to buy one for \$5 or less?

Both fowls and dogs are frequently smothered, become diseased, or are ruined as breeders, through being shipped to shows and being shown in coops carrying infection. Should we howl "cruelty" and try to kill the shows? We guess not.

The majority of day-old chicks are sold for utility purposes and the majority of them arrive safely and thrive and make fine healthy specimens. Some of ours turned out to be the best breeders we ever had. It is possible and probable that the widespread sale of day-old chicks will

affect the sale of utility eggs for incubator use and considering the quality of many such eggs and the results, it may be a good thing. Up to the present time the general idea of "incubator eggs" was any old thing that had a shell on and would stand packing. We would rather buy chicks at \$10 to \$20 a hundred than incubator eggs at \$5 to \$10 per hundred and know that so far we have always had much better value for our money.

We hope that the silly attack on the day-old chick business will be abandoned. Don't listen to the unsuccessful man who made a failure of it because he didn't know his business and who now works off his grouch by attacking the successful man, that is a common failing among a certain class of kickers.

If custom hatching can be successfully carried on in Egypt, where it has been practiced for at least 2,000 years, and where the chicks (300,000 or more annually from one incubatory) are carted across the country in cages of twenty or more on donkey back, (2,000 chicks to a pack) and are peddled out in small lots, surely we in this country ought to be able to handle the business with our more modern and improved facilities.

It is probable that there will have to be restrictions, but it won't necessarily become a "local business" with only a few hours between shipper and customer. While chicks have been successfully shipped 4,000 miles, it is not good policy to attempt such long distance shipments. Probably 1,500 miles from the hatchery, with ordinarily good transportation facilities, ought to be the limit, or the shipper should figure to be able to deliver the chicks at their destination (allowance made for reasonable delays in transit) within seventy-two hours after hatching.

Don't "knock" day-old chicks, it is better to "boost."

## The Harris Open-Air Roost for Chicks

A Coop for Growing Chicks that Has Proved Very Satisfactory and Successful in Massachusetts This Season. *By Prince T. Woods, M. D.*



EVERY TIME we pay a visit to William S. Harris, of Mansfield, Mass., we get hold of something good in the poultry equipment line and the new idea is always practical, simple, inexpensive and decidedly ingenious. Mr. Harris has been breeding Rhode Island Reds for a good many years (we have known him for at least fifteen years), and he usually winters about 1,500 good ones. He supplies "This-Day-Laid" eggs to Boston hotels and does quite a business in Standard-bred stock and eggs besides. As he is of an inventive turn of mind and

does the work on his own plant, he develops a good many labor-saving novelties.

We visited the Harris farm in Mansfield, Mass., on a very hot day the latter part of July, and found Mr. and Mrs. Harris at home. In looking over the plant we found on a shady, well-grassed range, back of the main buildings, several hundred thrifty late-hatched chicks that were looking exceptionally well, and our attention was at once attracted to the brood coops in use, which were a novelty in simplicity and practical value. We have called this coop "The Harris Open-Air Roost." Plans for making it are given with this article. See Figs. 1, 2, 3 and 4.

The Harris Open-Air Roost is designed for weaned and growing chicks, and has been successfully used for a sufficient time to prove its practical worth. Several years ago Mr. Harris became interested in the "open-air" movement and built an open-air sleeping room for himself and wife. This open-air bedroom proved so satisfactory that he has become an ardent "fresh-air" advocate, and this undoubtedly led to his experimenting with open-air roosting quarters for his growing flocks.

June hatched chicks, brooded at first in cold, "bushel-box" brooders, were transferred at the tender age of sixteen days to the open-air roost, and they have done well, making good growth in bone, flesh and feather. Earlier in the season,

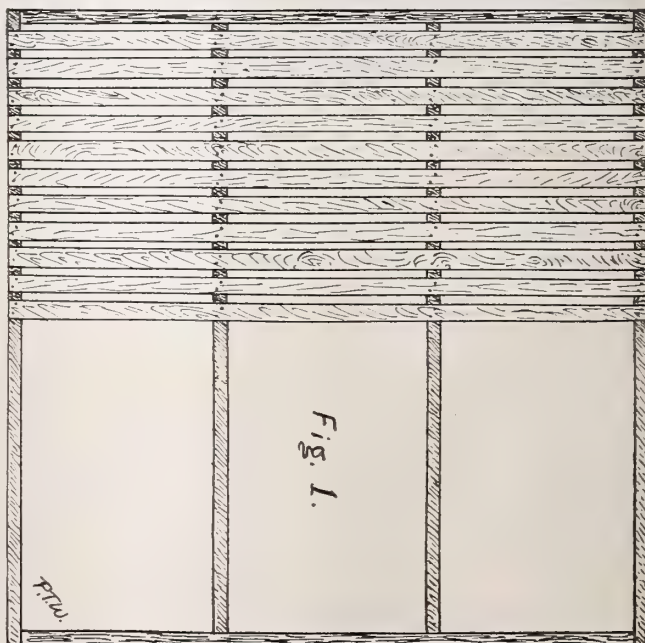


Fig. 1. Plan of frame of floor of the Harris Open-Air Roost for Chicks. View shows how frame is built of 1 x 3-inch furring, placed inch edge up. Half of floor is shown covered with lath. Entire floor is covered with these lath placed half an inch apart. See Dr. Woods' article.



when the days and especially the nights were considerably cooler, the chicks did not go into the open-air roost until about the usual weaning age.

The Harris Open-Air Roost is a simple slatted bottom, wire enclosed coop with a tight roof, and so arranged that the wire netting sides may be covered with burlap (from old grain sacks) on cool nights. It is made the length, width and height of the common plasterer's lath, which is four feet. The frame is made of 1x3 inch furring, preferably spruce, which is strong and tough. The coop is light in weight and easily moved. It is moved to fresh ground daily, moved just the width of the coop. For very small chicks it sits on the ground. For larger, well-feathered, half-grown chicks it is put up six or eight inches above the ground to give better circulation of air.

This coop will accommodate one hundred chicks very comfortably, when they are small, and about fifty half-grown ones. When small chicks are put in the roost at night, they are divided up into groups of twenty-five chicks each to avoid losses from crowding. This is very quickly and easily done with hoops of 1-inch mesh, 12-inch high, wire netting. These wire netting hoops are made about 18 inches in diameter and are easily slipped over a group of chicks without any need of handling and counting them.

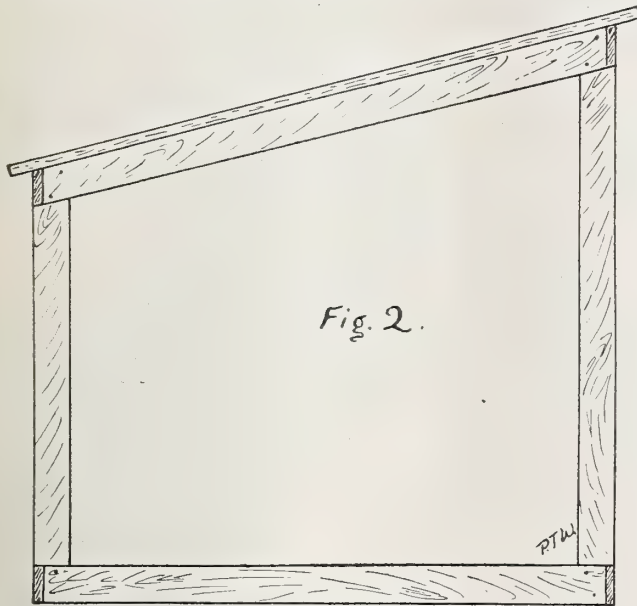


Fig. 2. End view of frame of the Harris Open-Air Roost showing simple construction of frame and the shed roof of matched boards. See Dr. Woods' article.

Fig. 1 shows diagram of partly finished floor of the roost coop. The dimensions are 4x4 feet. The frame is 1x3 inch furring placed inch edge up. On this is laid the slat floor of lath placed half an inch apart. The small chicks roost directly on this lath floor.

Fig. 2 shows the end frame, also made of furring. This is 4 feet high in front and 3 feet high at back, with a little additional height given by the matched board roof. This roof of matched boards is made wind-tight with roofing fabric.

Fig. 3 shows the front frame, made of furring, the sides being the edges of the furring strip shown at front of end plan. A wire netting door (covered with burlap) is used to close half of the front. The balance of front is wire netting covered with burlap sacking. The burlap is used only when chicks are small and on cool, windy or stormy nights.

Fig. 4 shows an end view of completed coop with part of the burlap cover torn away to expose view of wire netting. One-inch mesh wire hexagon netting is used for covering in this coop. It is not wire protected on the bottom, but it would be a wise plan to cover in bottom of coop below lath (bottom side of furring frame) with 1-inch mesh wire as additional protection against rats. The wire netting is firmly put on with staples. The burlap is not tacked on. It is simply stretched on and held in place by pinning it to the wire netting and to the other burlap, with wire nails

as shown in illustration. The coop is protected by wire netting and burlap only on all four sides.

The Harris Open-Air Roost costs little to build, it is easy to make and is safe, sane and sanitary in use. It should be opened up to the sun during the day. Cleaning is easy;

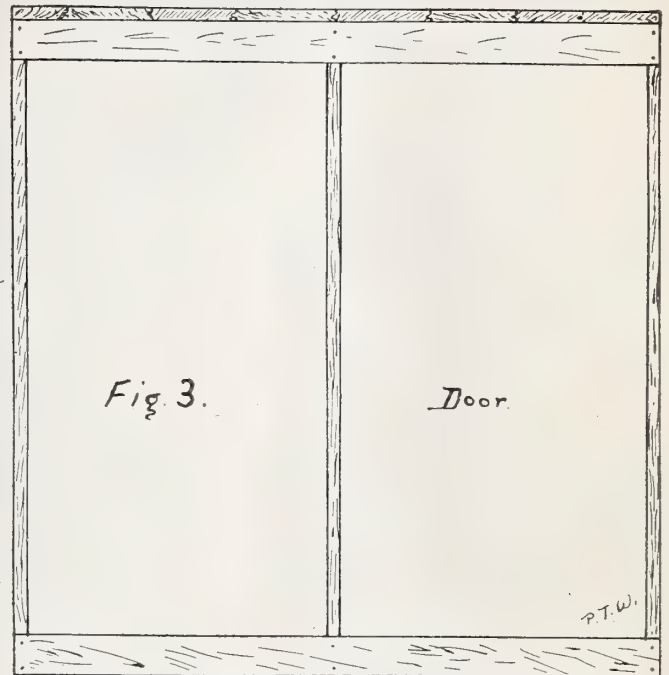


Fig. 3. Front view of frame of the Harris Open-Air Roost showing construction. See Dr. Woods' article.

simply scrape the lath floor and move the coop its own width once each day. Judgment will have to be used as to when chicks are old enough to be placed in this roost. Much will depend on the development of the chicks, the way they feather out and the way they are brooded and hardened off. In warm weather they should be ready to go into the roost by the time they are three weeks old (Mr. Harris put his in when two weeks and two days old). In colder weather chicks should be five to seven weeks old, according to season and growth. Use wire netting hoops to separate chicks at night when small.

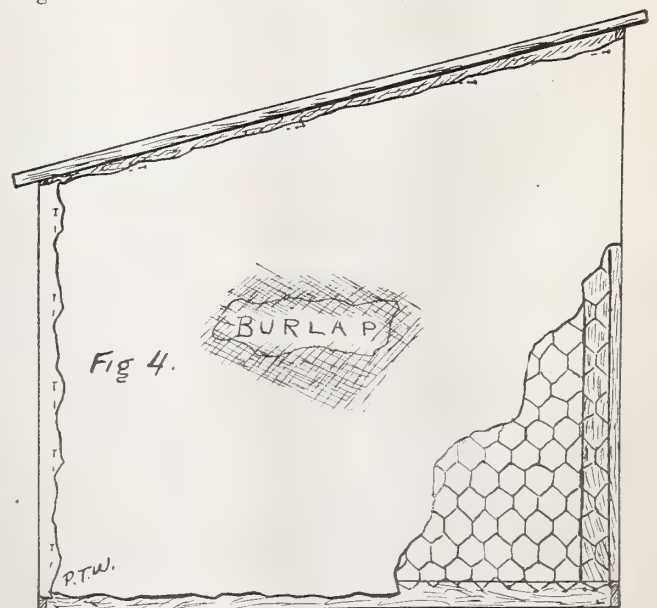


Fig. 4. End view of completed Harris Open-Air Roost for Chicks. Burlap is cut away at lower right corner to show the wire netting beneath. Burlap is simply pinned on with wire nails. Board roof is covered with roofing fabric. The coop is protected by wire netting and burlap only on all four sides. The construction gives circulation of fresh air from all sides and beneath the slatted floor. See Dr. Woods' article.





60,000 A. P. J.'s FOR OCTOBER, 1913.

State of Illinois, County of Cook, ss.:  
G. M. Atwell, president of the Atwell Printing House, Chicago, being duly sworn, certifies that the American Poultry Journal has contracted for printing and binding sixty thousand copies of the October, 1913, issue.

G. M. ATWELL.  
Subscribed and sworn to before me this 17th day of September, 1913.  
(Seal) HENRY G. EISERT,  
Notary Public.

#### OUR GUARANTEE.

We guarantee our subscribers against loss due to fraudulent misrepresentation in any display advertisement appearing in the American Poultry Journal, providing the subscriber when ordering the fowls or merchandise states that the advertisement was seen in the American Poultry Journal, and places the order during the month or months in which the ad is inserted in our columns and notifies us of the fraudulent misrepresentation of the advertiser, giving full particulars, as soon as it occurs.

#### Reform Everybody!—Everybody Reform!

As a nation we are strong for reform and for reforming everything and any old thing; especially do we go in for well-advertised spectacular and often hysterical phases of reform. We want to reform everybody and want everybody to reform—except ourselves.

We, as a people, spend millions annually to reform the heathen in some foreign land, who prefer to believe as their ancestors did and who won't stay reformed or converted anyway, and we are blind to the revolting conditions which exist near our own homes in crowded slums, sweat shops, mills, factories, mines and the like.

One of our wealthy publishers who owns many newspapers and magazines, and who might reform many of them, fails to note the beam in his own eye while he widely advertises the mote in the eye of some brother man. He employs a small army of reform writers, "muckrakers" and others, who do much good, but he don't begin any noticeable reform work at home. The best estimate of his real object ought to win a prize.

Yet it is quite probable, even quite certain, that all this agitation, all these "high-strikes" of reforming our erring brother man, is stirring up evil that good may come. We have learned that Showman Barnum wasn't mistaken when he proclaimed that the American people like to be humbugged, and we are just beginning to find out that a good many substantial business men, promoters and brokers have known of this trait for a long time and have been fattening their pocket books on the strength of it. Very well; how long are we going to let them do it?

We export much of our best beef and, because of farcical inspection, we eat much unfit beef at home. Foods are sold us bearing fake labels and through the medium of very questionable adver-

## AMERICAN POULTRY JOURNAL

TRADE MARK REGISTERED, NO. 74,059.

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#### SUBSCRIPTION PRICE.

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3 years, \$2.00.  
10 cents a copy of all newsdealers.  
Canada, 1 year, \$1.25; 3 years, \$2.75.  
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Look at the address on your wrapper. See that it is absolutely correct and notify us of any mistake, no matter how slight. Note the expiration date which appears thereon, as American Poultry Journal stops with the issue marked on your wrapper.

If you change your address give both your old and new address as well as your subscription number when notifying us of the change.

AMERICAN POULTRY JOURNAL is the oldest poultry paper in America. It has a national and world-wide reputation. The best writers on poultry matters contribute to its columns. It receives the patronage and endorsement of the foremost representative breeders of standard poultry and manufacturers of poultry appliances in the country.

tising. Fake medicines and fake booze is sold to make us still less able to take care of ourselves, and most folks seem to like the experience; anyhow, they cry for more and write glowing testimonials in favor of humbugs. And so it goes all along the line. Oh, yes, there is no doubt that many reforms are needed, everybody knows that, and we all like to read about it and to talk about it, but when it really comes to DOING ANYTHING about it, we hide

wise so sometimes), seldom has any questions asked. He howls "crooks," "crookedness" and "fakers" to his heart's content and his delighted auditors seem to require no proof in support of his statements. As long as the object of his attacks is sufficiently far away from the easy chair he is comparatively safe. How much good does it do? We don't know.

All advertising is planned to catch the attention of the reader. Much advertising, in and outside of poultry journals, is full of exaggeration and close to if not beyond the border line of actual misrepresentation and false or misleading statements. It is wrong of course, but it is getting to be a custom. Why? Because a very large percentage of prospective customers pay mighty little attention to any other kind of advertisements.

We are not basing these remarks on guess work. We believe in plain, forceful ads that tell the story straight and square, but we have to admit that so far as our experience goes the more flamboyant ad seems to bring in the most business. And don't forget for a single minute that business is what the advertiser is after. Two ads of equal size, and equally well displayed, in good position in a good medium were tried. One was a straight statement describing stock and giving prices, the other was boosted into notice with catchy catch phrases and rather extravagant claims for the same stock. The plainly worded ad (such a one as many subscribers have written about and claimed that they wanted to see) didn't bring an inquiry; the other made a good many sales. Perhaps the reason we have so much advertising in all magazines for all kinds of goods, that, to say the least, "skate on thin ice," is because the advertisers tried the experiment and stuck to the plan that made the sales.

If everybody would work for advertising reform, we'd get it soon, but

#### FANCIERS' IDEALS.

In the November issue we will begin a series of illustrated articles on "Fanciers' Ideals." Our artist, Mr. L. A. Stahl, has by an ingenious method obtained the opinions of the foremost breeders and judges of some of the leading varieties. Their criticisms have been used in making composite drawings, which we believe come very close to the general accepted type of the varieties pictured. The professional or amateur breeder will find these pictures a valuable guide for comparison and enable him to select his best birds for the breeding pen as well as for exhibition purposes.

under our own "vine and fig tree" and say, "Let George do it."

What has all this to do with poultry? A whole lot. The same conditions which exist elsewhere are to be found in the poultry business; no better and not much if any worse. It is a fine, easy thing for someone safe in an easy chair to criticize advertising, the things advertised and the publication publishing the advertisements. It is very easy, and the easy chair man not being financially responsible (or other-



just as long as even a few make big claims (even exaggerate, mislead and misrepresent), there will be others to follow the lead in an endeavor to get a share of the spoils. But bear in mind, it is one thing to believe a thing misleading, or containing misrepresentation, and another thing to prove it. We have known advertising copy to be returned to the advertiser for toning down and more moderate statements, when the advertiser was able to prove his case. It is not always possible to see things from the other man's point of view. We believe that the majority of mankind is honest, but know it is possible for two honest men to differ widely on what is and what is not honest.

We have in mind a certain publisher who jumped all over the advertising claims of a certain incubator manufacturer. He refused his advertising and wrote the advertiser that his claims were gross misrepresentation and impossible. The manufacturer's reply was to send the publisher an incubator and request him to try it and let it tell its own story. The result was that the publisher, after the test, wrote a most glowing testimonial for the machine and afterward carried the advertising with his own testimonial added to the claims to which he had once objected. You can find the evidence of this statement in half a dozen poultry journal files that cover a few years back. It doesn't pay to put up too big a howl about misrepresentation until you get the other man's point of view and become more familiar with the facts on both sides of the case.

Several advertisers use a catch phrase, "Best on Earth" or a similar claim in their advertisements in describing their own strain. There are a number of them and we don't see any harm in it. "Best in the World" and "Biggest in the World" are favorite claims for any old thing that happens to please the claimant in this "Best Country on Earth"; yet we probably get more letters condemning the use of these catch phrases than any one other thing in advertisements. We don't get the kicker's viewpoint. We do not so underrate the intelligence of readers, generally, to suppose that they take the claim "Best on Earth" literally, especially when they find several men claiming pretty much the same thing. You probably know a lot of men who have "the best little wife in the world," but we don't believe you would want to put the ban on them or condemn them as dishonest because they continue to say so and often do believe it.

We believe our business department censors advertising copy much more carefully than most magazines. Real effort is made to keep the advertising columns free from misrepresentation, but with the great volume of business carried, errors in judgment may occur, hence our guarantee. If everybody will help, and everybody try his level best, there can be a lot accomplished in the way of improvement in the conduct of poultry business generally.

We would like to see an end of faking, an end of all kinds of misrepresentation or even appearance of misrepresentation. We would like to see in every case honest values given in all sales of breeding stock, eggs for hatching and day-old chicks. The man who does not give good values only hurts his own business prospects. A customer once

"stung" doesn't often return for a second helping.

A good many times, under present conditions, dissatisfaction is the result of ignorance on the part of the seller or buyer, or both. Sometimes the breeder has an exaggerated idea of the value of his stock and their produce. He sells culls at fancy prices, because he believes, or makes himself believe, that a cull from his yards is better than the best in some other yards. He sells misshapen, thin-shelled and cull eggs, which he should not do under any circumstances, for hatching eggs and often because he has an exaggerated idea of the value of eggs laid by his strain. It isn't dishonesty—it is ignorance—and when you find such a seller the only remedy is to protest, and if you fail to get satisfaction don't patronize him

#### OUR COLORED SUPPLEMENTS

will begin in the November issue with one of the best pictures of Jungle fowls (*Gallus Bankiva*) ever shown in this country. Every poultry breeder has heard about these probable ancestors of our domestic poultry; some of them may have seen live specimens; but of this we are certain, thousands of our subscribers have never seen a picture or have read a good description of the fowl. Our artist, Mr. L. A. Stahmer, has delved in the public libraries and museums for the best information on the subject, and we believe that the picture which we show is without doubt one of the best ever published of these fowls, and we hope that it will please our subscribers. We have many more treats of this kind in contemplation. They will appear in our monthly supplements which created such a furore last season.

again and don't recommend him to your friends.

This is already too long, so we will stop here. Think it over.

#### Our New Representative.

We are pleased to announce that J. C. Johnston, of Petersburg, Ill., the well-known poultry judge, will represent American Poultry Journal as advertising solicitor in Illinois, Missouri and Iowa. Mr. Johnston will attend all the large poultry shows and fairs in the above-mentioned states this coming fall and winter, and will be glad to meet all of our present and any new advertisers who wish to consult with him regarding their advertising campaign.

Mr. Johnston is an experienced advertising man, and we recommend him to the breeder who desires to advertise in American Poultry Journal.

#### Mr. Le Roy W. Seigfried.

It is with regret that we announce to our readers the death of Mr. Le Roy W. Seigfried, Waterloo, N. Y.

Mr. Seigfried was one of our best-known breeders of Silver Laced Wyandottes, and although still a young man had bred and exhibited for many years with unusual success. His winnings at New York and other great shows proved

his ability and worth. We have known him for years and have always admired him, for his nature was one of sunshine and his work a general benefit to the fancy. We will miss him and the noble breed he loved so well loses one of its greatest champions. To his family we extend our heartfelt sympathy.

H. P. Schwab.

#### The Outlook.

Everybody is interested in the outlook for the season of 1913-14, and nobody knows anything about it. We believe that it is good. The eggs and meat end of the poultry business has no reason to complain about the way the fall season has started in prices. In some sections prices average about the same or a trifle higher than the past two seasons, in other localities, especially where there are late-staying summer folk, prices for September have been quite high and with promise of going still higher for October.

We spent a week on Cape Cod in September and had to pay 60 cents a dozen for eggs and go after them, and they were scarce at the price for a No. 1 quality new-laid article. When we reached home we found eggs here at 40 cents, small roasting chickens 23 cents a pound alive, pullets 25 cents a pound, old hens 20 to 22 cents a pound alive at the door. There is every reason to believe that the prices will hold as good and in some cases better until Christmastime anyway.

In most places we have visited the crop of 1913 chickens is rather small as compared with other years. Day-old chick men kept on hatching and selling until well into September and some reported turning back orders for October delivery, as they wanted the time to get ready for winter hatching.

We have seen some very excellent breeding stock throughout the country. Much of it promises very well, but it is a trifle slow in maturing. The proportion of very early chicks seems rather small. We have seen a large number of fine-looking, healthy young specimens in most of the popular breeds, and they ought to be in good demand a little later at attractive prices. We look for good fall sales of breeding stock, both young and old and when the hatching season comes the sales of eggs for hatching ought to be better than ever for those who took pains to furnish attractive-looking, selected, hatchable eggs from sound breeding stock the past season. The man who has made a practice of including cull eggs, with thin, water-marked, wrinkled or warty shells, in \$3 to \$10 sittings need not expect many of his customers to repeat orders the coming season. Don't forget what Lincoln said about fooling the people.

For the man who tries to keep pace with modern progress, who strives his best to succeed and to satisfy his customers, we predict a profitable and satisfactory season. The other fellow will probably get just about what he deserves, and perhaps more good things will come his way that he really deserves, but it is pretty certain to be his own fault if he makes a mess of things. So it will be a good plan to put the blame where it belongs and not try to fasten it to the other fellow.

You will get your share of the coming season's business, whether your line is fancy or utility, if you put sufficient push and pluck into it. Don't fail to observe that the modern trend is to get



so far as possible a combination of beauty and practical values. "Handsome is as handsome does," was never more true than it is today.

Be a progressive, but don't be an insurgent. Get busy and stay busy! It pays!

### On the Warpath.

Under the caption "Cassidy Tells of Fraudulent 'Hen Tonics'" the salaried reformer, Harry P. Cassidy, in the Hearst Newspapers, gets after the proprietary condition powders (and one in particular) to the extent of half a column, though just what he accomplishes by it except to advertise Cassidy and the condiment discussed doesn't appear on the surface. That there is room for reform in the field of proprietary foods, condiments and medicines, no sensible person should question, but there can easily be some honest difference of opinion concerning the right way to go about it.

That much advertising of such goods contains extravagant (and probably misleading to the uninitiated) statements and claims we believe cannot be successfully denied. We have often expressed ourself freely concerning condiments and tonics and have been deluged with written protests of the manufacturers condemning our position in the matter. Most of the manufacturers are exceedingly sensitive to even the suggestion of criticism and are very prone to lengthy written protests. Yet, strange as it may seem to them, we are not prejudiced against, nor do we condemn, the sane use of tonics, condiments, condition powders or egg foods even in the present-day proprietary forms and at present prices. In fact, there are very few of these preparations that we have investigated that we would class as wholly undesirable.

Some of the advertising claims used in the sale of such articles we believe may well be questioned, but even here this is a matter of our own individual opinion, and just as long as the manufacturers are able to produce hundreds of glowing and apparently voluntary authentic testimonials in support of their claims, we don't see how we can forbid or restrict such claims any more than we do at present. For instance, we, personally, do not believe that any condimental food will actually force hens to lay, nor do we believe that such foods and tonics will "make eggs" or "compel" hens to lay more eggs. But, please do not misunderstand us, these claims are commonly made and many people say and believe that such preparations do make eggs and compel laying, while we contend that the most any condimental food or tonic can do is to

stimulate in a greater or lesser degree and so possibly assist natural functioning.

As we have often stated, we believe the free and continuous use of condiments and tonics is undesirable and even injurious. It is also needlessly expensive and the returns won't warrant the practice. Continuous use of any condimental food leads to loss of the tonic and stimulating effect. The system becomes accustomed to the "dope" and the stimulating effect is entirely lost or it takes larger and larger quantities to get any effect at all, until such considerable amounts must be used to get any effect that the liver and other organs become diseased. The beneficial effects of condimental foods and tonics come from occasional and limited use, and we do not believe that anyone can successfully dispute that when so used they are both useful and beneficial.

Common salt is the most common seasoning, but, differing from others, it is also a mineral food. It is one of the very few "seasoning tonics" that should be fed continuously. It is an important component of the blood and tissues, in fact the blood, freed from its corpuscles and coagulating matter, is largely salted water, and in some cases of extreme loss of blood, salted water has been successfully used to take its place until a normal blood supply could be restored by the body. Most other seasonings have little food value other than the stimulating and tonic effects and yield best results from occasional use only. Salt is the most difficult to get along without and failure to supply it results in actual hardship and loss, yet many poultry keepers don't use any, except accidentally in waste or as it occurs in usual foods.

We don't know just how much Mr. Cassidy knows about hens and egg production, we haven't noted anything that indicates a profound knowledge of the subject or that he is qualified to sit as an authority to judge poultry condiments, or how far he can substantiate his claims of "fraudulent hen tonics."

We don't believe that anyone who knows anything about keeping hens will dispute the fact that fowls, especially yarded fowls, are much more easily kept in good condition by the occasional use of condimental foods of some sort. For some poultry keepers, some of the proprietary foods, even at present prices, may be safer and less expensive to use than home-prepared messes. Fowls on free range have an opportunity to eat many natural condiments and tonics, berries, buds of shrubs and trees, insects, roots and herbs as well as mineral foods. The yarded fowls can get only what is fed to them, and usually their yards are barren. So long as the con-

dimental foods are used now and then and the poultry keeper doesn't form a habit of regular daily dosing, more good than harm will probably come from their use.

Mr. Cassidy says, of one preparation, the cost of the materials in one package is about 1 cent and the mixture sells for 25 cents, the 24 cents pays for mixing and advertising. Perhaps! But the average purchaser couldn't mix the stuff in the quantities he would use for anything like 1 cent and he would probably make a mess of the job. Granted that many manufacturers make really enormous profits, it does not appear at the present time that any satisfactory plan has yet been devised to cut down selling prices and satisfy the producers with less profits; most folks in this world want all they can get and try to get all they can. These conditions exist in all fields. A reliable cutlery salesman, and member of the manufacturing firm, once told us that the actual production cost of one of their best selling razors, complete, was 11 cents. The razor sold for \$3 at retail. Jobbers and wholesalers both received discounts from the retail price to make their profits for handling, the firm carried and still carries enormous advertising accounts to make sales, and the particular salesman we know received a salary of \$200 a month and a \$10 a day expense account, and he was only one of many men on the road. Buyers were pleased with the razor at the \$3 price, we used one several years, and we don't believe anyone would howl "fraud" in this case, yet much of the advertising was extravagant and claimed remarkable virtues that really would be difficult to substantiate.

We hope the time will come when advertisers as a whole will claim less, give more and be content with less profits, but do let's be reasonable and try to be fair. Most reformers seem to be in the business for advertising themselves so as to get fatter salaries.

### Protest No. 1.

The New York State Branch of the American Poultry Association at their annual meeting held at the State Fair, Syracuse, N. Y., Sept. 11, 1913, adopted by unanimous vote a resolution protesting the adoption of Rule 17 by the American Poultry Association. The resolution of protest has been mailed to Secretary Campbell. This was the largest meeting the branch has ever held, with fifty-four members present; prominent breeders from all sections attended, including President E. B. Thompson, of the A. P. A.; Mr. D. W. Young, Prof. Rice, George E. North, Robert Seaman, H. W. Alt, Clyde Prop-



## Greater New York

First cock and first pen with only OLD birds entered. We never fail to win more firsts at such shows as Greater New York, Chicago, Indianapolis, Louisville, Nashville, Memphis, etc., than any other competitor against us. 3,000 YOUNG AND 500 OLD BIRDS FOR SALE—Write your needs in cocks, hens, chicks, or pullets, the show where you mean to exhibit and we will quote prices on any quality you care to own. We can furnish birds for any show, put them in prime condition to win at no additional cost. Send for the Orpington Fashion Plate Book and make reservation for 1914 issue—free. Mention American Poultry Journal when writing.

A. E. Martz, Buff Orpington Specialist, Box A, Arcadia, Indiana



er, D. Link Orr, George H. Northrup, W. H. Manning, etc. New York is wide awake and with a united effort we look for better things.

L. D. Howell, Secy.

### DR. WOODS' NOTES AND COMMENT.

Show season making a good start once again, and it promises to be a winner.

The Greater Buffalo Show, Buffalo, N. Y., will be held November 25 to 29. The veteran fancier and show manager, J. H. Drevenstedt, is secretary and manager of this Buffalo show, and that is a sufficient guarantee that it will be a quality exhibition and a success. "Drev." has a list of judges engaged that should draw big classes in all varieties and insure keen interest in the competition for prizes. We look for a big entry and exceptionally fine specimens (please note, fellow A. P. A.s, that we didn't say "birds" that time). The show will be held in the Broadway Auditorium. It is sure to be worth your while to make the Buffalo show this year. Don't miss it.

Chicago, The Mid-West Show, has dates at the Coliseum for December 12-17, and "big" Theo. Hewes, of Indianapolis, Ind., is the secretary, as heretofore. The judges are all men you know well and favorably. The usual prizes and the fine lot of specials will prove worth the winning, aside from the satisfaction of getting into the ribbons at Chicago. Useful and serviceable premiums in place of usual silver cups are promised, and there is considerable speculation as to what the management intends to give. It is sure to be worth while. There is every indication that this will be a great show and one where the competition will be keen and the honors worth winning. Chicago, 1913, should be bigger and better than ever before, and that will be "going some."

The Mississippi Valley Poultry Association has show dates for the big Coliseum at St. Louis, Mo., for November 25 to December 1. W. O. Chase, Hillsboro, Ill., is superintendent and veteran Henry Steinmesch, of St. Louis, is secretary-treasurer. It is to be a straight poultry show with no pigeons or cats

as a side attraction. We don't doubt that Missouri will "show 'em" this season.

\* \* \*

L. D. Howell, secretary of the Grand Central Palace Show, of New York, to be held December 2-6, writes us that "The Lucky Seventh" is to be the greatest show ever held by the Empire Poultry Association. As early as August 26 300 exhibitors, representing twenty-two states, had pledged exhibits for this show. The prizes will be well worth winning, and there will be exceptional opportunities for publicity and increased business. Mr. Howell is enthusiastic, which is saying a whole lot, for he is usually a very moderate mannered and conservative gentleman. Buff Wyandottes are expected to make a remarkable showing at the Palace. Campines, Anconas and Buttercups promise an advance over previous seasons. Buff Rocks and others of the good old stand-by breeds are sure to bring out some exceptionally good specimens worth seeing and worth competing with. To go through the classes by name of each would read like an index to the Standard. There are twenty-five "tried and proven" judges on the list and the management looks forward to "the best show we ever had." The Poultry Press, Ltd., of England, is planning a "personally conducted" poultry exhibit for the Palace Show of New York. They plan to get a good exhibit on the other side of the pond and send it over here in charge of an expert. They want to make a feature of English winners side by side with our "American Beauties," and it is certain to prove interesting and instructive. The Poultry Press would like to have American fanciers, through some representative journal, make up an American exhibit to send to England for the British Palace Show. Another feature of the New York Palace is to be a special Californian exhibit which is being made up by Mr. Keesling, of San Jose, Cal. "The Lucky Seventh" ought to prove a "golden opportunity." Don't miss it.

\* \* \*

W. B. Atherton, veteran secretary and manager of the Great Boston Show, is so much in earnest about "America's Greatest Quality Show," to be held in Mechanic's Building, Boston, Mass.,

January 13-17, 1914, that he wrote us about it in pencil when, as he said, he "ought to be in bed." That is like "Billy," he doesn't consider himself when there is work to be done for the good of the cause, and every fancier in this country knows that "Billy" Atherton is a "true blue" fancier and big show manager. He is an indefatigable worker, and he always pulls off a show that is better than his last best. The fanciers will flock to Boston for 1914 and the show promises to be a record-breaker. As always, every exhibit will be well displayed in good light, where its quality can be seen at a glance, and there will be no double-tiering of exhibition cages. All specimens will be on a level where they can be easily viewed to advantage. Already there have been many requests for premium lists and this indicates a very large entry. Every indication points to more entries from the western and southern fanciers than ever before and New England and the East is always well represented. The old favorites, the Light Brahmas, are sure to be one of the big classes, and Barred Rock men are working for the largest classes ever shown at Boston. Polish and Houdans are expected to outstrip any exhibit of the crested varieties that has ever been shown in the world. The judges are selected with care and they will all be men who are to be relied upon to place the ribbons where they belong. Five hundred dollars is up in prizes on the dressed poultry and eggs exhibits and classes are to be provided for live fowls bred particularly for market purposes.

\* \* \*

Superintendent Charles D. Cleveland did not send us information concerning the Madison Square Garden Show up to the time of going to press, but we hope to have data in time for November. This is to be Mr. Cleveland's debut as the manager of the big New York Show, and we look for big success to crown his maiden efforts. It is certain to be good work, conscientiously done. Better shake up your press notices, "Charlie," and let us know how things are coming; you have our address.

\* \* \*

Someone dubbed "the ubiquitous Mr. Hopper," of Texas, "an unconscious humorist." That's not so bad, is it? Mr. Hopper says he would "rather have



Crusader III, a Boston Winner

## REGALS AGAIN SUPREME AT THE N. Y. STATE FAIR, SEPT. 8-13, 1913

For the eighth time the Martin's Regal White Wyandottes prove themselves invincible. In a splendid class they win under Judge Drevenstedt:

Cocks 1-2-3-4-5

Hens 1-2-3-4

Cockerels 1-2-3-4-5

Pullets 1-2-4-5

Pens (Old) 1-2-3-4-5

Pens (Young) 1-2-3-4-5

\$25 in Gold for Best Display

Judges and breeders agreed that never had such a string of White Wyandottes been shown by any other breeder. In a string of seventy birds only two were unplaced showing the wonderful uniformity of type running through my flock. In eight years showing at this fair my birds have won 42 blue ribbons out of a possible 48. Why not make a start with the Regal Strain? No other strain combines exhibition and utility qualities to such a marked degree. 500 matured cockerels and pullets ready to go into the show room now. 1,000 cocks and hens to select show birds and breeding stock from. Send 4c for the Regal White Wyandotte book. Free—Illustrated catalogue and price list. Mention American Poultry Journal.

John S. Martin : Box 51 : Port Dover, Canada



something said about him good, bad or indifferent than be neglected, for advertising pays." He seems to be made happy quite often. Listen to this from Editor J. H. Robinson, in September Farm-Poultry: "Vice-President Hopper, who was frequently called to the chair, was so in love with the position that even when Hicks was presiding he remained on the platform almost continuously, and seemed to be trying to preside over the president's head." Now, isn't that just like John?

The Poultry Index for September, Vol. III, No. 1, appears in new form and an entirely new cover and dress. It has now "been borned" into the customary poultry magazine size and is a very neat and attractive journal. We congratulate Mr. Standish. We do wish, though, that the management wouldn't use the tinted paper for the inside; it is hard on the eyes, and plain white would be much better. This magazine is now developing considerably from its original specialty, and has adopted more magazine features in addition to its indexical specialties. Welcome to the broader field of work.

We note that Pacific Coast folk are becoming concerned over the practice of some egg farmers in that section who buy up old, diseased and sometimes dead horses to use as meat food for layers. We don't wonder. If, as we have been told, it is true that much of this horse meat is fed raw, the practice may easily become a menace to public health. Eggs can be, and sometimes are (though fortunately not often, so far as is known), infected through infected food consumed by the fowls. There is no doubt that consuming the raw meat of a horse having glanders might easily make the eggs of fowls so fed a source of danger to the people who eat the eggs. Some of our friends contend that as fowls are

naturally scavengers and will eat and drink many kinds of filth, that it does no harm. With all respect for their opinions, we don't believe it. If we know it, we won't eat eggs from fowls that are not cleanly fed. We want our eggs produced by hens that feed on wholesome grains, sound meat scraps and clean water, and plenty of greens. We feed clean fresh table scraps when we can get them, but we don't, and won't, feed "swill." We don't know how much the egg may be affected or infected with microscopic germs, but we do know that disease germs have been found in raw eggs. We know that eating filth spoils the taste of eggs also. The thought of it also spoils our appetite. Only recently we received the report of a peculiar form of diarrhoeal trouble affecting a flock of fowls. We suggested enteric disease due to disease germs. The drinking water supplied these fowls was sent to a laboratory for examination and was found to be swarming with typhoid fever germs. Now, we are willing to wager that a competent man on the ground could trace cases of typhoid fever in human beings to some eggs from those fowls. The only reason that many folks are not infected is due to the blessed disease-resisting immunity that most of us enjoy, most of the time, and that we only lose when we are out of condition. For heaven's sake don't feed diseased meat, raw or cooked, to poultry. We use only the best beef scrap we can buy. We are assured that it is real beef left from rendering the fat from butchers' waste. We wouldn't find fault if there was some sound, healthy horse meat in it, but we would shy at diseased meat. Yet, this beef scrap is thoroughly cooked at a high temperature, and it is probable that the germs, which undoubtedly were contained in part, if not all, of it were "sure enough" killed in the process of manu-

facture. But we are fussy about beef scrap, and it has to look, smell and prove clean or we won't use it. We test every bag we buy and if it doesn't measure up to our standard we return it to the seller. See that you make your eggs out of wholesome material, and don't think that because a hen appears to enjoy filth, and often goes unharmed by it, that filth is desirable. It is not.

## AMERICAN POULTRY ASSOCIATION

### Official Bulletin.

The present officers of the American Poultry Association are as follows:

President—E. B. Thompson, Amenia, N. Y.

First Vice-President—Dr. W. C. Cleckley, 502 Green street, Augusta, Ga.

Second Vice-President—A. A. Peters, 2445 Franklin street, Denver, Colo.

Secretary—S. T. Campbell, Mansfield, Ohio.

Treasurer—U. R. Fishel, Hope, Ind.

Executive Board—William C. Denny, Stafford Building, Buffalo, N. Y.; Charles D. Cleveland, Eatontown, N. J.; U. R. Fishel, Hope, Ind.; C. M. Bryant, 138 Federal street, Boston, Mass.; L. C. Byce, Petaluma, Cal.; George H. Rudy, Mattoon, Ill.; E. E. Richards, Cedar Rapids, Iowa; H. H. Collier, Tacoma, Wash.; Earl Hemenway, South Haven, Mich.

Election Commissioner—O. L. McCord, Danville, Ill.

The president of each state branch is also a member of the Executive Board.

There are now forty-two branch organizations representing the United States and Canada. Charters were granted to four new branches at the Atlantic City meeting: Idaho, Delaware, British Columbia and Vermont.

It was proposed to have the new Standard, that is the 1915 edition, ready

# PERFECTION WHITE WYANDOTTES

SUPERIOR TO OTHERS—THE ACME OF PERFECTION—Send ten cents postage for illustrated art catalogue telling how I raise my prize winners. Mention A. P. J.

GEO. H. RUDY

ROUTE 15

MATTOON, ILLINOIS



## WM. COOK & SONS

### ORIGINATORS OF ALL THE ORPINGTON FOWLS & DUCKS

Plants in America, England and South Africa Established 1873

: Box A, Scotch Plains, New Jersey

Eventually, if after the best Orpingtons any variety you will buy from their originators, why not now? And avoid loss and disappointment. We guarantee safe delivery and satisfaction, backed up by a reputation of 40 years' standing, this means something to you.

Now is the time to purchase your exhibition Orpingtons from their recognized headquarters. We always have a large stock on hand of imported birds from our English plant, being from stock mated up by our Mr. F. A. Cook especially for American requirements. We can ship the same day your order is received.

We have thousands of Orpingtons to choose from in S. C. Black, White and Buff, Diamond Jubilee, Spangle and Blue Orpingtons, all of which we originated.

It is natural the best can be procured from their originators.

Send 10c for illustrated catalogue, containing history of the origination of all the Orpingtons and hints on poultry keeping. Eggs from our winners and the finest Orpingtons in the world, \$20 a setting; from fine stock, \$10 a setting. Advice free. Inspection invited. Trains met. Over fourteen thousand first prizes won by us. We are by many times the largest poultry breeders in the world. Ornamental land and water fowl for sale.



for distribution early in 1915. It seems to be the opinion of a large number of members that the 1915 annual convention will be held in San Francisco during the Panama-Pacific Exposition.

More than 1,000 members were enrolled since the last annual meeting at Nashville. The association is in good condition financially. There are now more than 5,000 members enrolled in the American Poultry Association.

The S. C. Buff Minorcas, S. C. Red

### On the Banks of the "Tippecanoe."

For many months the Editor of American Poultry Journal was invited and requested and at last commanded by Chas. V. Keeler, of Winamac, Ind., to pay him a visit and see what a "real poultry farm" looked like, so on Monday, Sept. 8, 1913, we managed to find time to make the trip to Winamac, which is only about 90 miles from Chicago. Of course we made it a point to arrive there about

After dinner we were reminded that we had come down there to look over a real poultry farm and see some "real" White Wyandottes, but before doing so Mr. Keeler desired to show us some "real" fish and invited us to take a short walk to the banks of the Tippecanoe, and standing there on the bank we saw a number of large bass and other large fish and our only regret was that we did not have our fishing outfit with us; but it is probably just as well we did



A bunch of young White Wyandottes in the peach orchard on the farm of Charles V. Keeler, Winamac, Ind.

Pyle Leghorns and White Runner Ducks were admitted to the Standard.

A committee was appointed to revise and codify the constitution of the American Poultry Association. This committee consists of: President E. B. Thompson, Amenia, N. Y.; Frank E. Hering, South Bend, Ind.; Grant M. Curtis, Buffalo, N. Y.; Reese V. Hicks, Topeka, Kan.; John H. Robinson, Boston, Mass., and the secretary of the association.

dinner time, as we desired to be able to tell our readers of the good qualities of the White Wyandotte by actual test. In this we were not disappointed, as Mrs. Keeler had anticipated our coming and was prepared to satisfy our appetite for fried chicken, and we are now in a position to add our testimony to the thousands of others—that the White Wyandotte is the ideal chicken for frying when fried by one who knows how—and Mrs. Keeler certainly knows how.

not, or we might have been there yet and would not have found the time to tell our readers what we saw on "Keeler-ville," the home of the White Wyandottes.

Mr. Keeler's farm is located within walking distance of the business center of Winamac, right on the banks of the Tippecanoe River, one of the most beautiful streams in the country. The farm contains ten acres of rich sandy soil, well adapted to poultry raising, and every

## ROSE COMB RED

**PULLET SALE**—Hundreds of early hatched birds ready for immediate delivery. Kaufmann & Windheim's famous strain. See advertisement on page 1262.

# Keeler's Wh. Wyandottes

## "THE WORLD'S GREATEST STRAIN"



FASHION PLATE II

**For twenty years I have been producing White Wyandottes that win**

—Winning in mine and my customer's hands in the hottest kind of competition: New York, Chicago, St. Louis, Pittsburgh, New Orleans, Indianapolis, Washington, D. C., Kansas City, Dallas, Texas, Los Angeles, Portland World's Fair, etc. My customers win. Stock hatched from my eggs and shipped from my yards has won in every section of this country as well as foreign lands including England, South Africa, New Zealand and Australia. The coming show season will be no exception, so let me sell you the birds that will land you among the winners. Get in line with the strain that produces a larger percent of SHOW BIRDS than any other.

### The World's Greatest Strain

In producing this grand show quality I have not lost sight of the Utility points and my birds are large, mature quick and lay from 200 to 265 eggs a year. I have succeeded in raising more good birds than ever and have for sale something like 150 cocks, 500 hens, 900 cockerels and 1,200 pullets. **Selected Breeders \$25, \$35 and \$50 a pen of 4 females and Male. CHOICE SHOW BIRDS \$50, \$75, \$100 and \$150 a pen.** Get in touch with me now for your November, December and January Show Birds. Stock conditioned, washed and fitted for your show without extra charge. Sixty-Page Art Catalogue of America's Finest White Wyandottes free for the asking. (5 red stamps for postage appreciated.) Please state your wants clearly and address

**Keelersville, Chas. V. Keeler, Prop. and Mgr., R. F. D. No. 11, Winamac, Ind.**



part of the farm is given over to the growing of White Wyandottes and peaches. The illustration herewith will give our readers an idea of how successful Mr. Keeler is in the production of both.

Mr. Keeler has been a most successful breeder of White Wyandottes for the past twenty years, and the many hundreds of fine specimens we saw on the farm is proof positive that he has thoroughly mastered the art of breeding this grand variety of fowl, for it certainly is an art to be able to produce, year after year, the many birds that he does, and

show improvement in each succeeding generation.

Some years ago we remember seeing an exhibit of Mr. Keeler's at the Kansas City (Mo.) Show, at which time he made almost a clean sweep. We admired very much the specimens exhibited there, but on the farm we saw hundreds of young birds that give promise of being far superior to those shown at that time, which is evidence that Mr. Keeler is working for improvement all the time.

During the past year Mr. Keeler has spent several thousand dollars in improvements on his farm, and now has

one of the most complete and up-to-date poultry plants that it has been our pleasure to visit, and is in a position to handle his rapidly increasing business in a most efficient manner.

The past season Mr. Keeler did a nice business in both stock and eggs for hatching, and we were thoroughly convinced that he satisfied his customers, as we had the pleasure of reading over sixty letters that he had received from customers, and in every case they expressed their entire satisfaction. Some of these letters were from people who had been buying stock or eggs from him for sev-

# *E. B. Thompson's* *Imperial "Ringlet"* *Barred Plymouth Rocks*

Are the Greatest Achievement in Modern Poultry Breeding  
THEY ARE THE PRODUCT OF OVER THIRTY YEARS OF SKILL



First Prize Cockerel and Champion Male and First Prize Pullet and Champion Female at Madison Square Garden, New York, 1913

**They Mean Something—They Sweep Away at One Stroke All Doubts and Settle the Question of the World's Leadership.** Furthermore, these 29 first prizes do not include the firsts won at New York by my customers on birds I sold—remember that.

My "Ringlets" have won first prize on exhibition pens at Madison Square Garden 8 times, no competitor has ever won first but 4 times. I have won both first and second prizes on pens 6 times and no competitor but 3 times.

My "Ringlets" have won at New York 11 first prizes on single cockerels and cocks—including first prize and champion cockerel and first cock at the 1910-11 show, first prize cockerel and champion male at the 1913 show—almost as many first prizes on males alone as any other Barred breeder has ever won on anything. I am the only living Barred Rock breeder who has ever won all the regular

These winnings tell more of the sterling qualities of the Imperial Ringlets than volumes I might write—They tell what the New York Show says.

The "Ringlet" record for 1913 at the Madison Square Garden, New York Show, is the most wonderful ever made by any Barred Rock breeder since the New York Show was founded. (See ad on back page for this remarkable record.)

Elegant breeding cockerels, trios and pens of this greatest New York prize blood for sale, and mated to produce winners if desired. Richly illustrated 70 page catalogue upon application; it is full of pictures of New York winners from life. Address

## Early Winning Show Birds

I now offer the finest very early hatched exhibition birds that I have ever produced—grand size and shape, fine heads, even clear blue color, and narrow clean-cut vivid barring to the skin. They are matchless and ready to win prizes for you in any competition in the world. The prices are very reasonable.

**My Imperial "Ringlet" Barred Rocks Have Demonstrated to All the World a Distinctive Superiority**

**THEY STAND WITHOUT A RIVAL AS THE LEADING 1st PRIZE WINNERS AT AMERICA'S IMPERIAL SHOW, MADISON SQUARE GARDEN, NEW YORK**

## **A Great Light on the Subject of New York Records**

The "Ringlets" exhibited by me personally, have won at New York a grand total of 29 first prizes—this is more than double the number ever won by any competitor—no other Barred Rock breeder in the world has ever won more than 13 first prizes in the entire history of the show—mark the difference—these figures are as remarkable as they are conclusive—they inform the public who have hitherto been confused by conflicting claims.

prizes on pullets at a single New York show, viz: 1st, 2d, 3d, 4th, 5th and the only breeder who has ever won 1st prize cockerel and champion male and 1st prize pullet and champion female at one and the same show at Madison Square Garden.

My "Ringlets" have won every Silver Cup and Trophy that has ever been offered at Madison Square Garden to be won three times. In short every trophy on Barred Rocks that has ever been offered and won three times has been finally won by me and is now my absolute property. Among them are the \$100 Challenge Trophy and the \$100 Association Cups.

The best is none too good for my customers and if you want to show you will find that judges appreciate the wondrous beauty and sharp "Ringlet" barring of my Barred Rocks. Prices are reasonable and thousands of birds to select from.

SEE MY OTHER AD. ON  
BACK COVER PAGE

*E. B. Thompson*

Lock Box 510  
**Amenia, New York**



eral years, which in itself speaks volumes.

Mr. Keeler is also a poultry judge of national reputation, and as this takes considerable of his time during the fall and winter he found it necessary to secure expert help on his poultry farm, and now has in his employ Mr. Ralph Roudebush, who will manage the business during Mr. Keeler's absence and assist him when he is at home, thus assuring prompt attention to all orders and correspondence at all times.

In conclusion we wish to assure our readers that Mr. Keeler is in a position to supply White Wyandottes of the very highest type of perfection at prices that are in keeping with the quality. His catalogue will be sent on request and contains list of winnings, birdseye view of the farm, halftone illustrations of many of his noted winners, testimonials from satisfied customers and much other information. Send for a copy to Chas. V. Keeler, R. 11, Winamac, Ind.

#### AUGUST REPORT OF NATIONAL EGG CONTEST.

**T**he splendid record which the hens have made for the first seven and a half months of the National Egg Laying Contest at Mountain Grove has been greatly affected during July and August by the unusually hot weather. The extreme heat simply played havoc with the hens. To keep them in a trap nest even long enough to lay, the hens would suffer intensely from the heat and several of them died from the effects of same even when given the best of care and even though they were released every hour from the trap nest. On hottest days they were released oftener than this, but still many of them came off the nests in such a condition that it took several hours for them to recover. In many states the farmers have suffered great loss from the heat and drouth. Such high temperatures are unusual in this section. The extra good record which the hens made the first half of the contest has been ruined by the high temperature of July and August, and we doubt if the average will be as high this year as last.

The total number of eggs laid this

month was 7,691, which makes a grand total of 87,764 for nine and a half months. A pen of R. C. White Leghorns, No. 10, from Maryville, Mo., won the silver cup for August with 171 eggs. The English pen of S. C. White Leghorns still leads the contest by 271 eggs. The leading hen is a Buff Wyandotte, No. 860, which has laid 230 eggs to date. Two other hens are only four eggs behind her. Many of the varieties are changing places each month, and as the contest does not close until November 15th, there will yet be many changes. Some hens which made good records last year are not doing practically anything this year, and many which did not do well last year are doing extra well this year. The most consistent layers in the entire contest have been the Silver Wyandottes. They have held second place for many months and this variety also averaged 160 eggs per hen last year.

The ten highest pens to date are as follows:

Pen.	Eggs.
2 S. C. W. Leghorns, England.	1,830
19 Silver Wyandottes, Iowa....	1,559
11 Black Minorcas, Iowa.....	1,543
1 Anconas, Missouri .....	1,541
26 Buff Wyandottes, Missouri..	1,534
8 S. C. W. Leghorns, California	1,515
20 White Wyandottes, Arkansas	1,495
57 Black Langshans, Missouri..	1,482
30 Buff Wyandottes, Vermont..	1,475
10 R. C. W. Leghorns, Missouri.	1,471

The ten leading pens for August are as follows:

Pen.	Eggs.
10 R. C. W. Leghorns, Missouri.	171
5 Black Minorcas, Missouri...	166
18 S. C. Buff Leghorns, Missouri	163
8 S. C. W. Leghorns, California	160
11 Black Minorcas, Iowa.....	157
1 Anconas, Missouri .....	156
26 Buff Wyandottes, Missouri..	147
17 Black Minorcas, New York..	144
2 S. C. W. Leghorns, England.	144
19 Silver Wyandottes, Iowa....	141

The hens laying 200 eggs or over are as follows:

Hen.	Eggs.
860 Buff Wyandotte, Vermont..	230
600 Buff Wyandotte, Missouri..	226
62 S. C. W. Leghorns, England.	226

61 S. C. W. Leghorns, England.	221
66 S. C. W. Leghorns, England.	215
55 R. C. W. Leghorns, Missouri...	212
77 Anconas, Missouri .....	211
735 Black Langshans, Missouri.	209
72 Anconas, Missouri .....	206
67 S. C. W. Leghorn, England...	206
2,054 Black Orpington, Canada...	201

The pens have practically all been filled for some time. We can accommodate one more pen each of Buff Leghorns, Brown Leghorns, R. C. White Leghorns, Campines and Partridge Wyandottes. We will have pens from all parts of Missouri, the United States, Vancouver Island, Canada and England, and we are importing three pens from the New Zealand and Australian contestants who have been making such wonderful records in the contests of those countries. We expect to see if their birds will make as good or better records here than our own American birds. The records of the hens from these several countries will be watched with unusual interest. We believe the American hens, which have been properly bred, will be able to hold their own with the hens from any country. The last few years many breeders have been paying closer attention to selection and breeding for egg production and we expect to see the American hen and the Missouri hen hold their own. The hens which win in the next contest will certainly be the world's champion layers.

White Wyandottes



Blue Orpingtons

**U. R. FISHEL'S AD in this issue will interest you. Read it.**

## CHAMPION BUFF WYANDOTTES

"America's Great General Purpose Fowl"

Again prove their superiority over all others. At the Greater New York Fair and Exposition, August 4-10, 1913, in competition with the Garden and big Eastern winners, won more than twice as many prizes than all competitors combined.

Four Firsts, Five Seconds, Three Thirds, Two Fourths,  
Two Fifts, Silver Cup Best Display and Gold  
Special Best Display Wyandottes, All  
Varieties Competing

## PURITAN PARTRIDGE ROCKS

Conclusively Prove That They Are

"THE QUALITY FLOCK OF AMERICA"

At the Greater New York Fair and Exposition, August 4-10, 1913, won more prizes than all competitors combined.

Three Firsts, Four Seconds, Four Thirds, Three  
Fourths and Silver Cup Best Display

We have 2,500 youngsters. Choice breeding trios, \$10.00; pens, \$15.00.  
Guaranteed winners furnished for any show on earth.

Besuden Bros., R. W. Sturtevant, Manager, Box 359-B, Cincinnati, Ohio



# Notes from the Southwest

Conducted by H. H. Stoddard, Riviera, Texas



## SEVERAL THINGS MORE.

**A** MOVEMENT is on foot for breeding S. C. W. Leghorns to small comb and wattles, so we understand, and to then put this innovation in the next edition of the Standard. We don't know who the boosters are, neither do we care. The low tail "biz" was a big mistake, but the small comb fad means going from bad to worse.

Dissemination of Leghorns all over the United States was one of the greatest benefits fanciers ever bestowed upon the country.

This peculiar and very distinctive race has been worth millions to our land, and Leghorns, rejuvenated by commercial poultry raisers, will become still more valuable.

If there is one breed out of a hundred that should have been left with its native characteristics not tampered with, it should have been S. C. W. Leghorns.

The proposed innovation of breeding to smaller combs is a direct blow to utility. Large comb and wattles in the cock denote virility and vigor, and in the hen prolificness and strength to bear the strain it imposes.

The runts of a brood of chicks that are behind the others in size and strength, and that never will show the desired liveliness, and highly colored combs of the others are the small comb birds. And now are the degenerates to set the pattern? "Forbid it, Al-

mighty" A. P. A. "I know not what course others may take, but as for me give me liberty" to have the invaluable breed hark back to its primitive traits, as it will do fast enough, in the commercial breeder's yard, if the Standard is disregarded utterly.

In 1884 a concerted movement was made by almost a majority of the Leghorn men in favor of allowing the yellowish blush of plumage and the creamy white earlobes ordained by nature to remain for White Leghorns.

This failed, but when less than fifty years after 1884 have elapsed the wheel will have "come full circle." The cat will come back. How the Standard White Leghorn will look when the fourth revision of the Standard from now is printed the Lord knows. It will probably be a monstrosity. But the shape and the comb and the wattles of the business Leghorn of this great and glorious country will be like those of the first dozen Leghorns that may be picked up at random in Italy today, and which were also substantially as when Rome sat on her seven hills and ruled the world, excepting that undoubtedly the fowls then were not so uniform in characteristics as they became two thousand years later.

Following is an excerpt from Poultry World, November, 1884:

### To Leghorn Breeders.

"The following circular letter has been sent to many Leghorn breeders of late for signature:

North Haven, Conn.,  
October 1, 1884.

Mr. \_\_\_\_\_.

Dear Sir: In view of the severe restrictions placed upon Leghorns by the new Standard, we respectfully ask you to join the Leghorn breeders in the enclosed petition, which we believe will receive the hearty co-operation of all concerned.

Please give us your name below and return in the inclosed envelope, at your earliest convenience.

Yours respectfully,

H. S. Babcock,  
C. P. Jordan,  
N. D. Forbes,  
J. Boardman Smith.

"Then follows a place for name and address; also remarks. The petition referred to is as follows:

To the Officers of \_\_\_\_\_ Poultry Society:

Gentlemen: We, the undersigned, breeders of Leghorns, respectfully petition you to incorporate in your rules and regulations the following instructions to your judges:

1. Not to disqualify Leghorns for white in the face.
2. A perfect ear-lobe may be white or creamy-white.
3. The plumage of White Leghorn cocks or cockerels may have a slight yellow tinge.
4. Rose-comb Leghorns will compete in a class by themselves.

## YAMA FARMS

### S. C. Black Minorcas---Barred Rocks

Dedicate the \$90,000 New Poultry Building at Syracuse, New York, State Fair, 1913, by Making the Most Remarkable Win on

### Barred Rocks

1-2-3-4-5 Cock, 1-2-3 Hen, 1-2-3-4-5 Cockerel, 1-2-3 Pullet, 1-2 Pen Old, 1-2 Pen Young, Carrying all Specials

### S. C. Black Minorcas

1-2-3 Cock, 1-3 Hen, 1-2 Cockerel, 1-2 Pullet, 1-2 Pen Young, 3d Pen Old, all Specials

This unparalleled victory has never before been approached let alone equalled. Yama Farms Black Minorcas and Rocks are tested, and tried true in the greatest shows of America where they successfully met the keenest competition.

**Remember** Every winner was raised on Yama Farms, we breed them and when you purchase here you positively get Yama Farms line bred birds that are raised on our farms.

### 4,000 Birds For Sale

Do not be deceived and think by our great wins that our birds are beyond your reach. A dollar spent with Yama Farms has as much if not more purchasing power than a dollar spent anywhere in America. Let us fit you out for your coming show with winners and line bred birds that have the power of reproduction. Tell us your wants and we will quote you prices and send you catalog free.

Yama Farms : Newton Cosh, Manager Poultry Department : Napanoch, New York



We are constrained to petition thus for the following reasons:

1. Though, as we understand, it was voted by the A. P. A. that white in the face of Leghorns should not disqualify, the change was not made in the Standard.

2. We are informed that the change in the Standard from creamy-white to white ear-lobes was an error.

3. The best Leghorn from an economical point of view is one having deep yellow legs, skin and beak; but such a bird will naturally have a creamy-white ear-lobe, and a slight yellow tinge in the plumage.

4. Rose-comb Leghorns are as much entitled to a separate class as Pea-comb Partridge Cochins.

5. The American Poultry Association, to which we would naturally petition, has voted not to change the Standard again in five years, hence we can look for no help in that direction, and we are confident the above changes are imperatively demanded for the best interest of the Leghorn fowls, and that in this way, by conceding our request, you can most effectually aid in placing one of our most valuable breeds, both for utility and beauty, upon a natural standard.

"We have received in addition to the above a list of sixty-two names of Leghorn breeders who have signed the above petition to date, with the remark affixed, 'and still they come.'" This movement is a very general one, the signatures coming from all parts of the United States. Lack of space forbids the printing of the list. By addressing Mr. J. Boardman Smith, North Haven, Conn., with a return stamp, a list could, we presume, be procured."

Dead-white plumage and ear-lobes are at war with deep yellow legs, skin and beak today, as in 1884.

Fanciers who think that the Standard must be changed once in a while, and sometimes twice in a while, "to keep up the interest, and that neglect of change means 'death to the fancy,'" are off their trolley. The A. P. A., the Standard, the big exhibitions and great multitude of lesser ones, the dissemination of valuable breeds to millions of farmers and the wonderful events of the great poultry world in general, would thrive just the same if, instead of getting up new tests in judging, the old ones should be applied more and more strictly. For instance, instead of changing size and shape of comb in Leghorns, or any other breed, judge the comb more and more strictly by the

present Standard. Let rivals win by greater nicety.

The interest will always be kept up because its foundations are so secure. Poultry breeding numbers among its devotees a mighty host taken from all classes, ranks and stations in life. The numbers are constantly increasing. There are many accessions and but few withdrawals. Death only can separate the amateur live stock breeder from his hobby. Misfortune may come, financial disaster may overtake him, but somehow he will manage to find some kind of accommodations, the best that his means will afford—for his fowls or other pets. Once a fancier, always a fancier.

In what does the charm of breeding poultry consist?

There is inherent in the nature of man a love of pets. He wants something dependent upon him whose helplessness he can support, whose needs he can supply, and from whom he expects no other return than an appearance of pleasure at his approach. If any other return can be given it is incidental, and while it may add to his happiness, his interest in keeping animals is not dependent upon it. In fowls he finds subjects suitable for pets. They are attractive in appearance and thus win his admiration; they are interesting in their movements and so hold his attention; they are dependent upon his care and thus evoke his regard. His mind never tires in watching their movements, observing their development and studying their habits. They are infinite in surprises. They show some new character each day. From the egg to the fully matured fowl there is always something to hold his attention.

There is another trait of man that helps to explain this charm. He is combative. He likes to succeed. He will conquer success. If any obstacle opposes, his courage rises higher because of it, his determination becomes more energetic. The poultry breeder finds no little difficulty in accomplishing his full purpose. His fowls must be perfect in figure, marking, color and size in order to satisfy him. But they are not. This one lacks one thing, that another, and his success can only be partial. This gives zest to the breeding of them. Each year he looks for greater successes than the year before. He gradually approximates to his ideal only to find that a still higher one has taken its place. His ideal recedes as his fowls improve. Higher and higher it becomes as he climbs up the steps of progress. Where the vanguard rested

yesterday, the rear encamps today, and still the way is open before him. Each height surmounted reveals a higher height. And stimulated by his partial successes, he pushes forward to the never-to-be-realized complete triumph.

The many problems awaiting solution add to the charm of poultry breeding. He realizes practically what the great German writer expressed, "If I had Truth offered to me in one hand, and the search after truth in the other, I would unhesitatingly choose the latter." He becomes a searcher after truth. He questions the Sphinx of breeding about her hidden laws. What matings shall be made? How can cockerels or pullets be produced as the breeder wills? How can each generation be made superior to the one that preceded it? How can prolificacy be increased? He questions the dark-faced mother who keeps the records of the past and asks her to reveal to him its mysteries. What were the first progenitors of domestic fowls? How were the peculiarities introduced and intensified that have given us varieties so widely separated in characteristics? What principles were employed in making past breeds and what may be used in developing new ones? What relation, if any, does food have upon color? Can the sex of eggs ever be determined? What are the marks of prolificacy in a hen if in fact she has any such marks? How can the character of the chick to be begotten be determined by an examination of the sire?

These and a multitude of other questions he is constantly asking and seeking their answers. His mind is engrossed by the still undetermined questions and the pleasures of the search for truth are his.

He desires to succeed in competition. What a pleasure there is in finding the first prize awarded to a pet fowl of one's own breeding! And even if he does not become an exhibitor of his fowls, yet just as surely does he enter into a friendly competition with his neighbors and acquaintances and determines to rear the best fowls in his vicinity. This rivalry is natural; it may be, nay, it should be, generous and healthful, and when it is, it adds a new charm to poultry breeding.

The love of pets, combativeness, the search after truth, and the rivalries of a generous mind help to account for the lasting charm that there is in poultry breeding, and hundreds of years hence it will lose nothing in attractiveness or

A sure home run on back inside cover

**LOOK! ORPINGTONS!**

will do later. Some grand young stock now ready.

**Cheviot Farms**

We need room and we need money. We have some grand breeding stock fit to show anywhere or to breed from. We will sell now for half what they are really worth. \$5, \$10 or \$15 will do now what double the money

Catalog free, or send 10c for Orpington Magazine, one year.

**: Route 2 : Cincinnati, Ohio**



## Byers' Strain Orpingtons

**BUFF, BLACK AND PEARL WHITE**—It is not possible for one breeder to own all the best birds, but it is possible for him to give the best values and service when he has an established and reliable strain on a par with the best possible and in sufficient numbers to warrant the sale of the best without handicap to himself. I occupy this position in the matter of

### SERVICE TO YOU

And I propose to maintain it, because upon your perfect satisfaction depends my success. This is a straightforward proposition directed to all conservative and careful prospective purchasers of Orpingtons. Catalogue and special Fall sale list free. Communicate with me regarding an advance order for show birds to win next Fall or Winter, to be delivered when wanted in perfect condition and training. A small deposit will insure reservation. Early purchasers will secure my best values selected from hundreds of the finest birds I have ever owned. I have as many high grade sale birds as the other fellow. So it's all a matter of service to you that counts in the consideration of this or any other ad. I know my standard of service is not excelled by any breeder in the land and your patronage is solicited in view of this reliable assurance.

**C. S. Byers, Orpington Specialist 15 Years, Hazelrigg, Indiana**





Two panoramic views of Foxhurst Farm, Lime Rock, Conn., U. S. A. I

in the number of its enthusiastic supporters.

\* \* \* \* \*

Many persons object, and with quite a show of reason, to the use of condimental foods for poultry. By condimental foods we mean those which have a stimulating effect other than derived from ordinary diet. People say as all wild birds, and other animals in a wild state, are able to get from the ordinary vegetables, grains, seeds and other things which they obtain from plains, forests or meadows, all that they need to keep them in a condition of health and strength, therefore domesticated animals do not need any stimulus to digestion—any tonics, stomachics, or condimental foods of any sort.

Now the truth is that the wild bird is unrestricted in its bill of fare. There are hundreds of things that are more or less stimulating, such as the buds of various shrubs, aromatic berries and highly seasoned vegetable productions of various sorts. Birds help themselves to these according to their varying needs. Audubon says that the wild hen turkey plucks the buds of the wild spice bush in rainy weather and gives them to her young brood. Is not this as bad as feeding pepper to your domestic turkey poults? Anyone familiar with the spice bush can testify that its barks, leaves and buds are as highly aromatic and concentrated in flavor as the mustard, ginger or pepper used to season poultry food with artificially. The fact is, almost every kind of food contains more or less of the stimulating principle. It is this which gives flavor

to all kinds of food. Without flavor all articles of diet pall on the taste, and are unfit for the digestion of either men or brutes.

All domestic poultry if deprived of the various highly flavored substances that the wild partridge, wild pheasant, jungle fowl or turkey gets in its native haunts may have a little seasoning added to the comparatively flat and tasteless diet which forms the staple in the poultry yard supplies.

There is another consideration. We make great demands on our domestic animals. We expect our horse or our working ox to travel many more miles in a day than wild horses and cattle usually do. Most wild animals ordinarily make comparatively slight demands upon their powers of locomotion. The cattle at free range on the western plains will not ordinarily go more than two or three miles from the stream in which they drink every twenty-four hours. And horses have about the same habits. But the working horses or cattle of the farmer are expected to travel in furrow many more miles than this each day, and pull hard all the time besides. In the poultry yard we expect that our fowls will grow faster and weigh more than their wild ancestors, the jungle fowls; and while the jungle fowl lays only about eight or nine eggs, we reasonably expect our domesticated layers will give us from one hundred and twenty-five to one hundred and fifty eggs annually, the alleged one hundred and fifty to two hundred average being flap-doodle. To require them to do this, without a very nutri-

tious and stimulating diet, would be making bricks without either clay or straw. Some kind of condimental food or flavoring substance must be resorted to if we would stimulate our fowls to do their best.

One caution should be observed. Fowls from which we expect eggs for hatching purposes should not be stimulated so highly to promote their laying, as in another case, where their eggs are to be sent to the food market. This production of eggs in an unnatural quantity is, to a certain degree, antagonistic to the production of healthy chickens. The vitality of the laying fowls is taxed too much. Whenever it can be done, it is best, therefore, to separate the laying from the breeding stock and apply different methods of feeding to each.

While, as will be seen, we do not condemn condimental foods in toto, yet constant caution must be exercised in their use. Of course, no exact rule can be given, but it may be safely laid down that salt, pepper, mustard, ginger, or whatever of the kind is used should be about equal in quantity to what the poultry keeper would use on his own table.

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If you take just about as much sul-







of the Foxhurst Champion Strain of Black and White Orpingtons.

phur as your hand can grasp—we mean flowers of sulphur as sold by druggists, and sprinkle it among the materials of the nest of the sitting hen, and upon the eggs so that her under parts will come in contact with the drug, also scatter it among her feathers so that it will penetrate to the skin in every part of the body, and if you take care to sprinkle it upon every portion of the fowl, so that not a feather will be left untouched by the sulphur, you will find that the chickens will not be infested with lice when you take them from the nest.

To apply it to the hen effectually it is best to make your visit at night. If you try to fuss over her in the daytime she may become uneasy and break her eggs. Go with your lantern at night, and you will find that she will bristle up her feathers when you alarm her a little, and then the sulphur will be distributed down to the very roots of her plumage. If you attempt to do this in the daytime, the hen may leave her nest soon after to get food and drink, and will shake off the sulphur before it has time to take effect.

Now I want to add a little experience. Here, where owing to the genial climate and the absence of a hibernation period of frozen ground, various insects thrive wonderfully, and all too well, I have for nearly four years kept young hen-hatched chicks perfectly free from lice by powdering the nest thoroughly and omitting to powder the sitter. I attribute this to the fact that the yards and the runs are all one great enticing dust bath and the sitters, the

nests, roosts, and the entire premises were lice free before the sitting fever attacked the birds at all. Just having a few dust baths, each of about a square yard size, does not do as well as where the soil of the entire premises and range is such as to induce the birds to make wallows in this place and that, some in sunny and others in shady spots, also some in the driest, dustiest places and others where it is damp, for they have preferences by turns.

Almost every one who has kept poultry of any or no variety has noticed a fact which has not probably been understood or has been passed over as something that would not repay investigation. This fact is simply that fowls purchased from a neighbor's or brought from a distance will lay nicely for a day or two after their arrival in their new quarters and will then "take a loafing spell" of considerable length. This has been so generally the rule that the occurrence has been passed by with the familiar comment, "They always do so," and no effort has been made to find a cause for the failure to lay or to trace the process by which the hen is enabled to retain her eggs at will.

Now there is a reason for everything, as much in the poultry business as in any other, and there is a definite cause for this action on the part of the fowls.

It must be remembered first that the hen is a sensitive creature. An utter change of surroundings is as complete an upset to her staid, methodical life as the burning of her house and the loss of all her household goods would be to

a housekeeper. Could there be an exact reproduction in the new poultry house of the familiar scenes of the old one, the hen would doubtless be contented and go on laying without a break, provided the operation of moving was accomplished in the dark and gently. The new house, however, cannot be exactly like the old one, and we can only approximate as closely as possible to familiar conditions, and leaving the new arrivals to stand for a day or two on a bare floor in a room destitute of proper nests and other fixtures, but putting them at once in the best portion of a well-appointed house. With such treatment they will not make a serious break in the work of egg production.

So much for the practical work to be done. Now for the theory in the matter. The body of a hen in laying condition contains a large number of eggs in a condition of greater or less development. Some are so far advanced that no shock will prevent their being laid, others are not. The former will be laid under any circumstances, hence the hens after transfer to a new house lay a few eggs. But here comes in the wonderful power of stopping the production of the unformed eggs, and the hen which has unwillingly deposited a few eggs evinces her perturbed state by ceasing to lay until, in the language of the Down Easter, "She's got good and ready." The only way to avoid this hiatus in laying is the one already noted—a simple remedy, but, like many others, effective in direct proportion to its simplicity.







Two panoramic views of Foxhurst Farm, Lime Rock, Conn., U.S.A. Breeders of the Foxhurst Champion Strain of Black and White Orpingtons.

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# Recent Inventions for Poultrymen

By Lester L. Sargent, Patent Attorney, Washington, D.C.

## Poultry Equipment Invented by Poultry Keepers, Patented in August—Brief Description of Most Important.

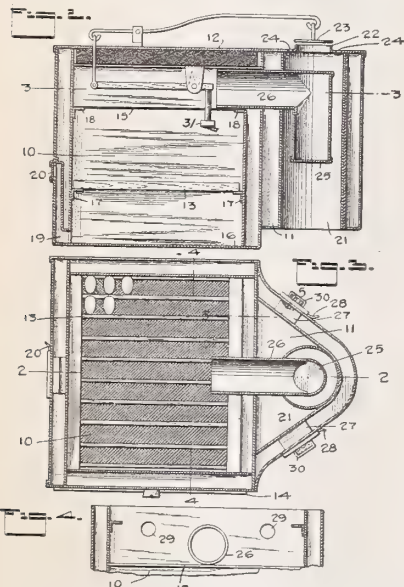
**D**URING August a variety of interesting inventions in the poultry line were patented. The following brief review, in connection with the illustrations, presents recent novelties in poultry devices.

Henry Fuchs, of Jersey City Heights, N. J., has secured a patent on a new hot-air incubator. The principal object of this invention is to provide a construction so as to admit heated air to the egg chamber uncontaminated by smoke or fumes from the heating means. This is accomplished by the use of a drum having a passage leading from it to the egg chamber, the drum itself be-

ing space B, for entry into the house and pen, and nest boxes D. The pen sections are removably attached to each other by hooks, and when it is desired to form a covered pen, the top sections may be folded completely down to form

hopper being provided with a regulating plate to admit the feed in the desired quantities, and a pendulum-like device depending from the hopper having a metal cone to scatter the feed as it falls from the hopper, and a block beneath the cone to which grains of corn are secured to attract the fowls and induce them to operate the device by picking at the block, the block itself being of rubber. The inventor states that the production of eggs may be greatly increased by providing such means for exercising the fowls. His feeder also results in the saving of considerable feed. The device is of comparatively simple construction, as will be seen from the illustration, which shows the device partly in cross section. Patent No. 1,071,097.

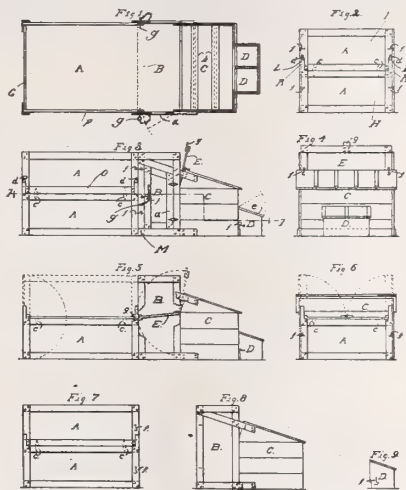
A new Trap Nest has been invented by Richard S. Blevans, of Victor, Colo.



Hot Air Incubator, patented August 19, 1913, by Henry Fuchs, City Heights, N. J., No. 1,070,677.

ing enclosed within a flue in which the lamp is placed. A fresh air chamber is provided surrounding the flue and communicating with the egg chamber, water cups also being provided, so as to insure a moist and efficient heat condition in the egg chamber. The incubator is made wholly of metal, and danger from fire is thus eliminated, and it occupies less space than does a wooden incubator. A thermostat is attached to the lifting cap of the heat vent of the case to regulate the supply of heat to the egg chamber from the heat drum, and smoke outlets are provided in proximity to this cap. Patent No. 1,070,677.

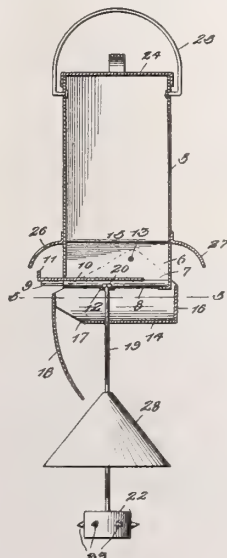
A new Poultry House and Pen has been patented by Peter B. Laidlaw, of El Paso, Tex. It is adapted especially for young chickens and has a runway adjustable in height. Its main features are the house C, the pen A, interven-



Adjustable Poultry House, patented August 19, 1913, by Peter B. Laidlaw, El Paso, Texas, No. 1,070,819.

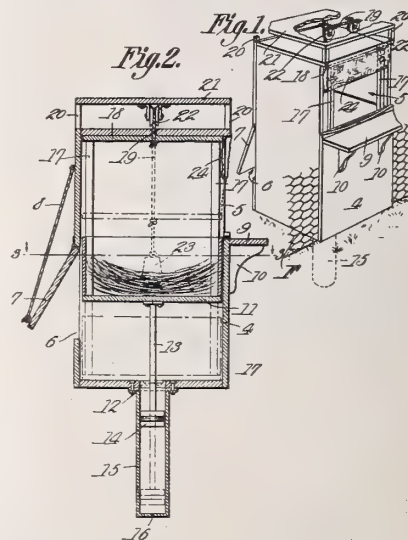
a horizontal roof, the sections preferably being rectangular frames covered with wire mesh and the house and nest boxes solid panels. Patent No. 1,070,819.

Herman Schultz, of Parkersburg, Iowa, is the inventor of a new Poultry Feeder designed to serve also as an ex-



Automatic Feeder, patented August 16, 1913, by Herman Schultz, Parkersburg, Iowa, No. 1,071,097.

erciser to maintain the fowls in a healthy condition. In brief, it comprises an oscillatory trough, open at one end, suspended from a hopper, the



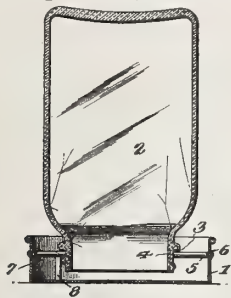
Trap Nest, patented August 26, 1913, by Richard S. Blevans, Victor, Colo., No. 1,071,201.

It is of the type designed to segregate laying hens from their lazier companions, the trap nest being placed in alignment with a separating fence or wall between two inclosures or yards. The particular feature of novelty in this trap nest is that it operates by gravity with a uniform slow velocity or movement of the nest when occupied, so as not to frighten or excite the hen, and is so arranged that the hen cannot be injured, should she pass her head through the entrance when the nest is descending. A nest is provided, slidable vertically in a suitable casing, and held in its normal raised position by a weight and cable, when the hen enters the nest slowly and evenly descends to its lowest position, in alignment with the partly closed exit on the opposite side of the casing. The hen occupies the nest in quietude and seclusion from other fowls until the egg has been laid. Then when the hen leaves the nest



through the partially open exit trap door, the weight on the cable attached to the nest causes it to slowly rise to its original position in alignment with the higher entrance opening. The slow, even downward movement of the nest is obtained by a cylinder and piston beneath and operatively connected with the nest. The cylinder has a small vent for the escape of air, thus controlling the downward movement of the piston, and nest to which the piston is connected. The cylinder is of a length somewhat longer than the vertical movement of the nest. Patent No. 1,071,201.

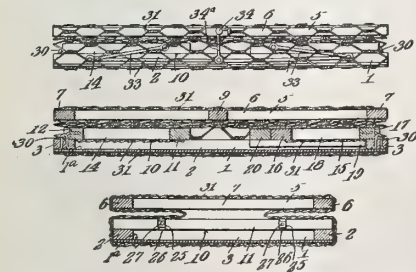
James F. Haffey, of Tiffin, Ohio, has invented a new Device for Feeding Poultry. It is specially adapted as a drinking fountain also. A novel support consisting of a single piece of spring wire bent in the form of a partial circle is provided, the circular por-



Feeder, patented August 12, 1913, by James F. Haffey, Tiffin, Ohio, No. 1,069,943.

tion being bent to form a seat-engaging arm and its open ends also being to form seat-engaging arms so as to support a feed receptacle. In this way the mouth of the reservoir or grain receptacle is maintained a slight distance above the bottom of the trough, sufficient to allow the water or grain to flow freely into the same, and also protecting the grain or water from dust and dirt as much as possible. Patent No. 1,069,943.

A collapsible Poultry-Shipping Coop has been patented by Minor Eugene Tynes, of Gloster, Miss. It may be collapsed readily, to occupy small space when not in use, and upon the return transit. It comprises a top frame, a

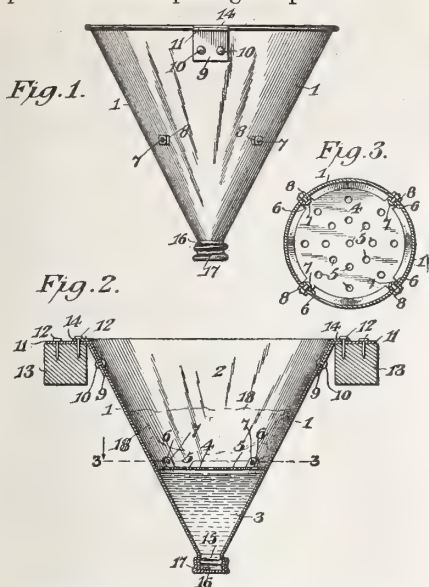


Shipping Coop, patented August 12, 1913, by Minor Eugene Tynes, Gloster, Miss., No. 1,069,743.

bottom frame, and netting constituting the sole connection between the frames. The netting is foldable to bring the frames together, and consists of diamond-shaped meshes of unequal transverse dimensions, the longer dimensions of the meshes extending parallel to the frames, to facilitate the folding of the netting, and to avoid a transverse bending of the connections between the meshes. Latches and auxiliary bars are also employed to erect the coop. Patent No. 1,069,743.

Jay Finn, of Elmo, Kan., has invented a new Poultry Nest equipped to contain

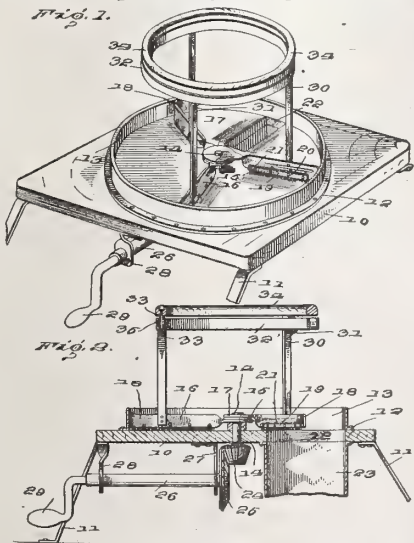
a quantity of liquid and other insecticide adapted for destroying chicken lice and other vermin. This nest is a cone-shaped receptacle, having a horizontal partition to support the hen, and provided with openings to permit fumes



Sanitary Nest, patented August 12, 1913, by Jay Finn, Elmo, Kans., No. 1,070,255.

from the insecticide compartment beneath to pass upwardly into the next compartment to destroy chicken lice and other vermin. A removable cap or closure is provided for the outlet at the apex of the cone. Patent No. 1,070,255.

A novel sanitary Chicken Roost has been patented by Robert E. Finley, of Atlanta, Ga. It may be readily cleaned without the use of tools or independent cleaning devices. Radial scraper arms are provided so that when the device is rotated by means of the hand crank and gears shown, all droppings from the roost are swept into a radial slot by brushes carried by the scraper arms, these arms being disposed within an annular upstanding flange or wall



Sanitary Roost, patented August 19, 1913, by Robert E. Finley, Atlanta, Ga., No. 1,070,439.

mounted on the platform. A roost proper is mounted for movement in spaced relation above the platform, and has immediately beneath it a trough which may be filled with insecticide, or vermicide. The roost proper is sup-

ported wholly by bolts and their sleeves rising from the trough, so that lice and other vermin cannot reach the roost unless brought there by the fowls roosting thereon. Patent No. 1,070,439.

## Tabasco Reds

Are champion S. C. R. I. Reds. Winners supplied for all shows. Write for prices.

Old Acres, Foxboro, Mass.

## The Utmost in Poultry Feeds

Made under the direction of D. Lincoln Orr. Information on request. Mention A. P. J.

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Box 5 : Orr's Mills, New York

## "Ideal"ize Your Flock



## Trap Nest

Shows which hen laid the egg! Easiest way to find the drones. Saves time, space and money. Plans, Traps, Recordsheets. Write right now for prices. Mention Am. Poultry Journal.

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## DAY-OLD CHICKS

Healthy, vigorous, from heavy laying stock. Guaranteed satisfactory. Place orders NOW.

Hatching Eggs Breeding Stock

S. C. W. Leghorns. White and Barred Rocks. All eggs and stock GUARANTEED. Write for big new catalog: "Tywacana Quality."

It gives much information of value to poultrymen. It's FREE.

Tywacana Farms Poultry Co.

A. E. Wright, Supt.  
Box 53 Farmingdale, Long Island, N. Y.



TYWACANA  
FARM  
POULTRY CO.

## JOE-PYE Orpingtons

THE fact that we won Display Special or greatest number of points this year at the three largest American shows—Madison Square Garden, Boston, Grand Central Palace, N. Y. proves conclusively that we can breed quality. Our free illustrated mating list gives information about our farm and breeding pens.

## JOE-PYE ORPINGTON FARM

HARRY STACEY BENTON, Owner  
R. F. D. 5, SO. NORWALK, CONN.



# Chick Chats

by H. P. Schwab



The summer passes with garnered grasses,

And fruits grown yellow in orchards old,  
With birds south ranging and wood-lands changing,  
Their emerald arras to yellow gold.

The convention now is history, but we give a few notes elsewhere just to fill in.

Yes, "Billie," we have every reason to bubble with glee; our election and that Gold Brick deal is cause for it all.

Messrs. Cleveland, Denny and Fishel were duly inducted into office, and while Denny smiled the others with drawn faces looked rather troubled. Now don't be too serious, for we all have confidence in you.

Hamburg Bill is surely wrong in his claim that someone made a motion thanking DeLancy for his activity in A. P. A. matters.

President E. B. Ringlet Thompson spoke well, looked grave and acted nobly. With a united association we can hope for better things.

This was our first meeting with Vice-President Peters, who was heard to advantage all through the convention. He and that good old Democrat from the

Coast, H. H. Collier, make a powerful pair for better poultry.

The balloon went up daily after George Ewald arrived. He invited his friend, the secretary of the Boston show, to take a wheel-chair ride with him, but after George was seated Billie decided to walk, as space was limited in that particular chair. George was charged for two fares just the same, and we don't blame the culled battery a bit.

Link Orr's smile was seen to advantage. The Colonel was not worried a bit; had a glorious time and, as he told us, learned something more.

The executive board refused to grant the specialty clubs permission to use the A. P. A. cuts in their club catalogues. We think this an error, for it is very important to start the breeders right, and the clubs get them before the A. P. A. does.

The A. P. A. illustrations are supposed to be "IDEALS," and as there can be but one ideal, why not allow the clubs to use them under proper conditions in their catalogues, so they can show and instruct the beginners in the true form required?

Mr. Charles H. Welles will again judge the Barred Plymouth Rocks at

the Grand Central Palace New York Show the first week of December. This should insure a big entry of the Barred beauties for the Palace show. Mr. L. D. Howell, Mineola, N. Y., is the secretary and will be pleased to send list to all requesting one. Write him now.

Blue Orpingtons are the rage among a great and growing following. Mr. Haldie Nicholson, Leominster, Mass., was, we believe, the first to import and to introduce them into this country. He bought the great English winners for a start and since has imported several of the best breeders he could buy. He now has a large flock of these with rare quality, and can supply winners for any shows.

It was an excellent display of poultry seen at the Atlantic City show during the convention. We got the lay of the Barred Rocks and beat it over the same tracks many times. We will tell all about them in this issue. Look it up.

One question that has not received sufficient consideration is how the condemnation of the turkey trot will affect the popularity of the Thanksgiving bird.

Mr. F. H. Reed, the Barred Rock man from Virginia, made his presence felt and known both during the meet-

**U. R. FISHEL'S AD in this issue will interest you. Read it.**



Barton T. Fell, Owner

## S. C. White Leghorn Pullets

Hatched in April and May—\$1.25 each, any quantity. These pullets are from a heavy laying strain, noted for size of eggs, and will "produce" this coming Winter. Order immediately and get in the poultry profit circle. Mention American Poultry Journal when writing.

**Barton T. Fell**

**Parkway Farm**

**R. F. D. 10**

**Trenton, New Jersey**

## BLUE ORPINGTONS :: SILVER CAMPINES

You can't get away from the fact that these are the two breeds of fowls that there is the greatest demand for now. Why? Because the Blue Orpington has been found the best layer and table bird of all the Orpingtons, and as an exhibition bird surpasses all, and can be reared anywhere. Remember I am the originator and introducer of this world-famed strain into America. You saw me win 1st and 2d on cks. and 1st, 3d and 4th on pullets at Madison Sq. Garden Show, and at the Crystal Palace Show, London, (the greatest international competition in the world), I won 1st cup and 3d cockerel, 1st cup, 2d and 3d on pullets, also winning the international trophy for best Orpington other than Buff, beating 435 Orpingtons. If this does not prove the highest quality, nothing will. If you want the best Silver Campines to be produced in England, I can supply you. Write me your requirements and I will quote you by return. I guarantee you a square deal. Catalogue free. Mention American Poultry Journal when writing.

**Max de Bathe, Hartley Court, Reading, England**

Member Advisory Committee Live Stock Department, Panama-Pacific Exposition, 1915



ings of the revision committee and before the A. P. A. convention. As the saying goes, he made a "hit," and the boys to express their appreciation called him the ambassador from the South. We hope he will meet with us regularly.

There are few objects more forlorn  
Than poets in this world of shade;  
We cannot help their being born,  
But you may bet they're never made.

There was some little fussing about the weights of the Plymouth Rocks, and we had hoped to see them reduced a half pound on both cocks and hens. This is bound to come in our way of thinking; we reduced the pullet weight five years ago, and they are just as large today as ever. The advantage in this will be had in exhibiting and in selling and should prevail, for then as now you can breed them just as large as you wish.

#### RULE 17 PASSES

By a Handsome Majority at Atlantic City.

The Poultry Fancier Wins Single-Handed Against Practically the Entire Poultry Press of America.

Saves the Great Poultry Exhibitions of Our Country from Future Humiliation by Unscrupulous Solicitor Judges.

The above is a copy of the heading across the entire page, written by Mr. Frank DeLancy for his home paper (Bucks County Independent) on August 14, 1913.

Have you seen a copy of the A. P. J. Year Book? You should own one. The second edition is on the press now, so

send in your order at once and get this up-to-the-minute poultry book.

The Washington, D. C., association was ably represented by Secretary Sutor, and he had a hard row to hoe. They have a strong association there and promise to hold a great show at the national capital. Let's all go.

On the road again, and we hope to pick up some good stuff for our readers. We call on request if possible. Write me.

Major Harcombe says that Charlie Welles has the whole world beat on making curves and climbing hills with his auto. Thanks, Major, for forewarned may save our life, as Charles has invited us to come and take a ride with him, so we will not put NIT on that.

At the convention we were pleased to meet Mr. Lively, the general manager of the Panama Exposition. They are planning on having the largest poultry show ever held, and we believe they will.

Would it not be a good plan to have all the specialty clubs organize into one great national association?

Knicker—The Smiths have a kitchenette.

Bocker—And Jones has indigestionette.

It is wrong, radically wrong, so the powers say, for a judge to solicit advertising. But how about an editor soliciting ads on a basis of 60,000 monthly circulation when he has but 20,000 to

22,000 circulation? Or is the difference in who wears the hat?

Mr. M. F. Delano has just made his first great winning as successor to the Owen Farms at the Greater New York Show. We regret that we haven't the complete list of his winnings and hope to give them later.

The Barred Rock breeders have every reason to congratulate themselves on the revision and adoption of the new Standard. The changes made are rather slight, but stand for the betterment of the variety.

As president of the American Barred Plymouth Rock Club we wish to publicly extend our thanks to the A. P. A. revision committee for their generous aid and for the civilities accorded the club committee.

Miss Carey, of England, was at Atlantic City with a large display of Orpingtons, Campines, Bantams and dogs. Her exhibit was greatly enjoyed and particularly the pen of Buff Orpingtons.

The show season has opened with a great big, loud boom. Record entries are the word from all sections and beautiful quality of stock.

We expect to attend and report the leading fairs and shows of the East as usual this season, and will be glad to meet all our friends again. Look for us.

Our friend, Thomas Rigg, must not get sore, nor should Thomas Rigg get personal, for we strongly object to that.

I AM DEVELOPING  
WE NEVER FAIL

IRA M. CROWTHER

**GRAND WINNERS** FOR COMING SHOWS  
GET IN TOUCH

S. C. REDS

BOX A, WILLOUGHBY, OHIO



## THERE IS MORE PARKS' STRAIN BRED-TO-LAY BAR'D ROCK MALES

Used for improving the laying qualities of the flocks of this breed the world over more than all other strains combined. BECAUSE they make good, and are the oldest and greatest laying strain of today. Having been bred for eggs continuously since 1889, and a male whose dams, grand dams and great grand dams for generations on both sides have had individual records of better than 200 eggs in a year will undoubtedly stamp an improvement in the offspring of that flock of yours. We are the past few years supplying male birds for just this purpose to a surprisingly large number of the leading exhibition breeders of today. Our recent winnings show that in addition to heavy layers we have kept close enough to the standard to win in ordinary competition. If you aren't breeding the Barred Rocks your future is unsettled for they are the breed that outlives the boom breeds. It's pretty much as Mr. W. R. Hayne, of Timore, New Zealand, puts it to us in his letter and order received August 14th: "It's quite a relief to buy of a breeder instead of a boomer, and from a breeder whose argument is backed by years of success." COCK-EREL CIRCULAR FREE—Specially mated pens for foundation stock. Large 36-page catalogue free.

J. W. PARKS : BOX J : ALTOONA, PENNA.

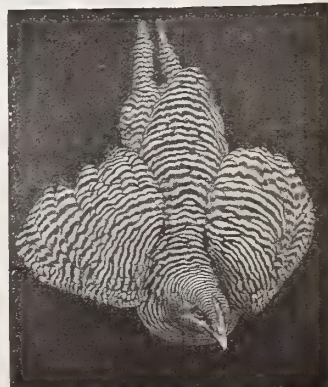
## ARISTOCRATS

WON AT 64 SHOWS Last season in the hands of my customers. Think of it—64 shows—including the largest national shows in all America—competing with the best Barred Rocks of the biggest breeders in the U. S.—winning out over them all. Now I have

### 2,000 Show Birds

Getting ready for this Winter's shows. Among these are undoubtedly the most sensational show birds ever produced. Do you need a cock bird, a cockerel, a pullet, a hen, a pen—to win with? Write me today.

W. D. Holterman, Fancier, Box A, Fort Wayne, Indiana





### THE ATLANTIC CITY POULTRY SHOW.

Side Lights of the Convention—  
 Breeders Met There—Written by  
 H. P. Schwab, Eastern Representative A. P. J.

For the first time in several years the members attending the annual convention of the American Poultry Association had the pleasure of also attending a poultry exhibit displayed on Young's Million Dollar Pier.

The exhibit was quite complete, the birds in unusually fine condition and grandly displayed in large, roomy coops. The managers of this show and the exhibitors included deserve every credit for their efforts.

We look upon this exhibit as the forerunner of many others that can be held under similar conditions, for there can be no doubt of its benefit to the poultry industry, and as the way has been shown we look and hope for others to follow. We have long believed that we should have poultry exhibits beginning in June and to have them every month of the year excepting the breeding seasons, and we still hope to see this put in practice, for poultry deserves a prominent place and part in every feature and at any and all seasons.

The list of breeders exhibiting here is a long one and included most of our famous men in poultry work. The East and the West as well as the North and South were grandly represented, and these broad-minded and liberal breeders made it possible for millions of people during the season to view a poultry display and to better understand that there is truly something worth while in Standard-bred poultry.

#### The Birds and the Breeders.

The president of the American Poultry Association, Mr. E. B. Thompson, may well head this list with his splendid display of three pens of his "Ring-

let" Barred Rocks; his exhibit included a choice pen of young birds, a pen of cockerel breeders and a pen of pullet breeders. The cockerel in the young exhibition pen was the feature, well shown, with fine style and carriage and the ideal color and barring; here, also, were some rare females that promise much. It was a very fine display of stock that well represents the quality of this noted line.

Mr. U. R. Fishel had two displays of his famous line of White Plymouth Rocks to show, and they did look well. In size and shape they were all we could wish for, fine heads and extra fine combs; in color they were positive white. His exhibit was made doubly attractive by the pictures shown of his farms.

Mr. A. J. Fell, who has been picking the blue ribbons at the M. S. Garden New York Show for some time in White Wyandottes, also entered two pens of his birds, and I am free to say that for this season of the year I have never seen a better looking pen of young birds than those shown there by him; the cockerel was turned to perfection, with a wonderful back and breast, and the pullets up close and well mated. Such birds are a positive proof of quality and we all know that Fell has that.

Mr. Lester Tompkins, the sage of the Red breeders, sent in two pens of his Reds for the visitors to inspect. They were an attractive lot and we had hoped for the opportunity to handle those birds, as in surface they were rich and even. This well-known line has stood the test of time, and as we see it year by year improved we accept this as the evidence of the line worth and the successful work of Mr. Tompkins.

Mr. M. F. Delano, the successor to Owen Farms, while showing here two exquisite pens of White and Buff Orpingtons, was at the same time also exhibiting at the Greater New York Show and winning more honors and

making the greatest record ever made. His birds as seen here wear the stamp of quality with beautiful style and size and the best of color. Mr. Delano informed us that he now had more stock than these farms ever had and that with quality he could guarantee to please all his patrons.

The Barred Rock "Wizard," Mr. A. C. Hawkins, took pardonable pride in exhibiting a few of his "Royal Blue" Barred Rocks. To the visitors and natives this line is known and wherever seen they are a feature with the people anxious to see them. Mr. Hawkins' birds were a strong collection and the kind we would bank on to produce.

Wm. Cook & Son had, I believe, the largest display here, for beside showing their full line of Orpingtons, Mr. P. A. Cook also sent in a part of his great collection of rare and wild birds. These were seen in large coops throughout the entire building and sure added tone to the exhibit, as his large cage of song-birds warbled at all times to the delight of all. Our readers are pretty well acquainted with this line of Orpingtons; as seen here they were a prime factor in the success of this exhibit.

Monmouth Farms S. C. Buff and White Leghorns were in charge of owner, Mr. J. Courtney Punderford, and were of the quality that has been winning for him at New York and the country over.

Sunnybrook Farm's display of White and Columbian Wyandottes brought back to us memories of our visit there last spring and the beautiful matings seen. This is one of our leading lines, and as being bred by Mr. Charles D. Cleveland, promises more in the future.

The display of Cornish Games by J. W. Ward was one of the best seen in years of this variety. The Cornish are coming back and are in greater favor now than ever before. Mr. Ward is now abroad buying to import the best to be had.

Mr. Henry D. Riley never does any-

## A sacrifice hit and a rain check on back inside cover.

### Foxhurst Champion Black Orpingtons

See our Fall announcement on page 1316. America's Leading Strain. WHY? BECAUSE they have been for six years the greatest winners at the greatest Show, Madison Square Garden New York. When writing mention American Poultry Journal.

FOXHURST FARM

LIME ROCK, CONNECTICUT

## NORWICH AUTOMATIC EXERCISERS AND FEEDERS

Are guaranteed rat, rain and sparrow-proof. They will reduce your feed bills 25 per cent; your labor to practically nothing; they will improve the condition of your flock and thus increase the egg production. They will pay for themselves in ninety days in feed alone. Send today for free booklet explaining our thirty days' trial offer. They are for sale by live dealers everywhere, or we will ship direct from Toledo, Ohio. Write now to

River Home Poultry Yards, Breeders Exhibition Quality Light Brahmas, 820 Monroe St., Toledo, O.

## GREATER BUFFALO SHOW

THANKSGIVING WEEK, NOVEMBER 25 TO 29, 1913

### THE ALL AMERICA SHOW

BIG MONEY SPECIALS

CASH PRIZES PAID IN GOLD

JUDGES: W. B. Atherton, Chas. D. Cleveland, W. C. Pierce, W. C. Denny, Geo. H. Burgott, F. L. Platt, J. W. Andrews, L. G. Jarvis, Wm. McNeil, A. O. Schilling, A. J. Braun, W. G. Minnich, F. D. Maunder, W. H. Card, Harlo J. Fiske, Geo. W. Webb.

Send Now for Premium List to J. H. DREVENSTEDT, Secretary, 506 Electric Building, BUFFALO, N. Y.



thing by halves; here were seen two of his pens of Barred Rocks of the quality that has made him famous as a breeder of this variety. His success during the past five years is convincing of his ability as a breeder. The fraternity owes much to Mr. Riley for his grand work as secretary of the Barred Rock Club.

A pen of Sunswick Buff Orpingtons pleased all that seen them and were a feature. In evenness of color and true shape they were models. It seems to us that a nice head and comb looks better on an Orpington than on any other variety, and in this line these points are seen to advantage.

Mr. Barton T. Fell, of the Parkway Farms, the largest breeder of Silver Penciled Rocks in the world, displayed his birds here; also a pen of Malines. We will soon again visit this farm and tell our readers more of it. Silver Rocks as bred there are birds of beauty.

No exhibit would be complete without Mr. Jacobus and his Golden and Silver Campines, and of course they were to be seen here. His line is particularly noted for their laying quality and the large pure white eggs they lay, and for many years they have been leading winners all over the States and Canada.

The Maple Grange Barred Rocks bred by Mr. S. M. Goucher were shown in two pens. This is the line that has made such a great record at the Storrs egg laying contest, and if memory serves us rightly one of their hens made the best individual record last year by laying 210 eggs in 245 days. This line has been a consistent winner for several years at Philadelphia, Williamsport, Camden, etc.

Mr. A. B. Dalby, of the Dunrobin Farms, displayed a pen of his Buff Orpingtons, Blue and White Leghorns, and ducks. This farm has been a liberal exhibitor north and south and have many rare records to their credit.

The Briarcliff Farms, Atlanta, Ga., exhibited a full line of their Buff, Black and White Orpingtons. Many of these birds were their famous winners at last year's best shows.

Mr. R. A. Hewes, the Black Langshan breeder from the West, sent in a beauty pen that was good to see; in shape and color they were rich and of the best quality.

A pen of the Grove Hill Barred Rocks looked rich to us. This well-known line has been in the front for many years.

A very attractive display was Mr. Ferris' S. C. White Leghorns. This is one of the largest farms of the West. The birds are of fine size, well carried and in the best of vigor and condition.

Columbian Rocks were shown by F. G. Bean, one of the original breeders and a man that has made the best possible.

Other exhibitors of particular note seen here were: Seaman & Bogert, Reds; Annasmead, S. C. W. Leghorns; Wm. H. Moore, Black and Buff Orpingtons; D. Lincoln Orr, White Faverolls; E. E. Brubaker, S. C. W. Leghorns; Annesley M. Anderson, Reds; Dearborn & Sharp, Reds; Sidney R. Clark, Orpingtons; Colonel L. Paul Graham, Columbian Rocks; J. H. Wolsiefer, W. Wyandottes; H. W. Snitzer, White Rocks; J. H. Parker, Barred Rocks, etc.

Poultry supply dealers were well represented and there was a large display of the E. C. Young Poultry Houses.

The exhibit of the Rancocas Farm, S. C. W. Leghorns and White Rocks,



**THE DE GRAFF POULTRY FARM**

**THE FINEST POULTRY CATALOGUE EVER PUBLISHED**

**THE LEADING R. I. RED SPECIALIST OF AMERICA**

AMSTERDAM NY

STOCK & EGGS FOR SALE

S. C. & R. C. RHODE ISLAND REDS

PLEASE SEND FOR MY CATALOGUE

## Rose Comb Black Minorcas

Have a limited number of extra fine show cockerels and pullets for sale from our Madison Square Garden and Boston winners. No more old stock. Remember we won 1st cockerel at Madison Square Garden on 2 entries and 1st cockerel; 1st pullet and 5th hen at the club show, Boston, on 4 entries. Catalogue free. Mention American Poultry Journal. H. A. KEISTER, R. F. D. 3, Bangor, Michigan.

## CANADA'S WHITE ROCK FARM

300 hen hatched chicks to supply your wants. All raised from my Buffalo and Guelph winners. Exhibition birds a specialty. Get my price before you place that order for your show birds. Mention A. P. J. J. L. BROWN : : : SEAFORTH, ONTARIO, CANADA

## SINGLE COMB WHITE LEGHORNS

Cockerels, selected breeders \$1.00 each, \$5.00 per six. LAYING BRED. Mention A. P. J. JOSEPH STENZ & SON - - - FOND DU LAC, WISCONSIN

## CHERRY REDS ARE WINNERS

Single Comb R. I. Reds—Now is the time to drop a card for prices on that show cockerel or pullet. We have the red velvet color that wins. Young stock sired by Chicago and Madison Square Garden winners. ERNST F. BIRKHOLZ - - - WILLOUGHBY, OHIO

## SWASTIKA STRAIN SINGLE COMB WHITE LEGHORNS

Prize winning stock that both win and lay. Special price on stock, both young and old for winter shows. Write for my 1913 free booklet. Mention American Poultry Journal.

SWASTIKA POULTRY YARDS, : : O. E. FAXON, PROP., : : PLANO, ILLINOIS

## COLUMBIAN ROCKS

The Clemans Strain with 12 years selection back of it. Circulars. Mention Am. Poultry Journal, Address F. M. CLEMANS : : : : : MECHANICSBURG, OHIO

## WHITE ROCKS : WHITE LEGHORNS : INDIAN RUNNER DUCKS

We still have the following birds for sale: Cocks, hens, cockerels, pullets, ducks and drakes. And we can give you the best farm raised, pure bred stock in the world for the money. Write for prices and day-old chick catalog before buying elsewhere. THE OSBUN POULTRY FARM & HATCHERY, MANSFIELD, OHIO

## AGLER'S SINGLE COMB REDS

Let me tell you what \$5 will do on a cockerel to win your show. Mention American Poultry Journal. C. M. AGLER - - - BOX 7 - - - MILLBURY, OHIO

## BARRED PLYMOUTH ROCKS

Good breeders at bargain prices. Cockerels and pullets that will win for you, they do for me. ACME POULTRY YARD, C. A. GIFFORD, PROP., RUSK, TEXAS

## Let Us Prove to You that you can make

## More Money with Poultry

Walter Hogan has had 50 Years' Experience in breeding for egg production. His book the "CALL OF THE HEN" now published, shows how he solved the problem of

### THE 200-EGG HEN

In 5 years at Petaluma he bred a flock of 1,000 200-Egg Hens.

His pen of pullets in the 1912 Missouri Contest won for the greatest weight of eggs—131 pounds 2 ounces, equal to 229 3-5 each No. 1 eggs at Petaluma.

He told Mr. Quisenberry that they were 220-egg type.

BOOK CONTAINS 126 PAGES, 52 HALFTONES, 15 CHARTS

Send \$2 to the Sonoma Co. National Bank, Petaluma, Cal., and we mail you the book; keep it a week and if you do not want it, send it back and the Bank returns the money.

On Sale October 14th, 1913.

#### THE BOOK SHOWS:

How to pick out the egg type, and breed them with certainty of success.

How to tell approximately the number of eggs a hen will lay.

Thousands make money by using his method; one State Hospital reports \$1,500 increased profit in one year.



was a feature and a show in itself; it was prettily arranged.

The exhibit of the International Correspondence Schools was also one of the big things of this show. Their art gallery of oil paintings of all the variety of fowls was the center of attraction.

We were pleased to meet here Mr. and Mrs. R. J. Walden, the Barred Rock breeders of Middletown, Md. Mr. Walden has made his records at Baltimore, Hagerstown, Williamsport and many other shows.

Mr. Kearney, owner of Onlya Farm and specialist in White Wyandottes,

spent several days at the convention. He has an ideal plant of his own and a line of Wyandottes that he has carefully bred for years and that have been leading winners at many of our best exhibits.

Mr. C. F. Rankin, the Red man, lived up to his past record. We were glad to see him here, and he tells us to look out for his line this winter, as they are better than ever.

Mr. Aldrich, of the Aldrich Orpington Farms, came for the meeting and insisted upon our again visiting him. We are pleased to do this, for they have Orpingtons out there at Columbus, Ohio,

good to look at and to write about.

Buff Rock Louie Vierheller came in rather late, but in time to help wind up the convention.

Mr. John Pringle, the Barred Rock breeder from London, Ont., was also met here viewing the ocean and, I presume, thinking over his great win at the late "Ontario." Well, it was a hummer and he had the goods.

There is one man we always like to write about, and that is William B. Atherton, for he is so good-natured and has promised never to get sore. The last we saw of him there he was backing up his partner, George Ewald, who was overcharged for a chair ride.

The motive power on that trip was a black battery and he wanted to charge George double fare, but George claimed that Atherton was so small that they together weighed just enough to make two fair-sized men, and George won out Pilsner—easy.

Ex-President Hicks is a man hard to fully appreciate; he is just the kind to bank on and takes with him the love of all members.

Val Thompson proved himself a white hope, indeed, but when he and a stranger appeared dolled out in white trousers, lavender socks and shirt and brown caps it took our breath away. There was class to those duds, and we still wonder who the stranger was. I would hate to tell what Arthur Smith said of the pair.

It was good to again meet our dear old friend, Billie Russell. It was years since we met and he looks younger than ever.

Mr. E. E. Richards was simply "Dick" to all. He is one of those genial fellows whose thoughts are first reflected on his face. He has left many good friends back of him in the East.

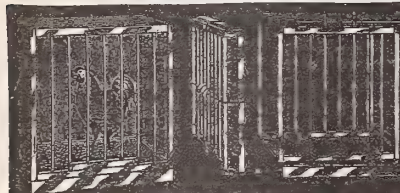
Mr. H. H. Collier is one of those Abraham Lincoln sort of men and if we ever have the chance will vote for him, but it would be our first Democratic vote.

The Hon. Dick Oke stuck to his guns at the revision meetings gallantly and won out on hackle color and markings on Partridge females. There is class to him and the men of his home town dip their hats to him.

Arthur Smith and E. C. Branch proved themselves workers and left nothing undone.

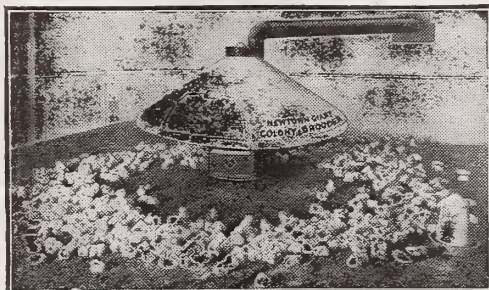
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Egg and Chick shipping Boxes. Order from this Advertisement. Prices Exhibition Coops Shipped K. D. No. 1 for 1 Bird, \$1.25, No. 2, for Pairs, \$2.25. FOWL SHIPPING Coops Made Light Wood, Shipped K. D. No. 112 Size 12 x 12 x 18 inches \$3 dozen. No. 114 Size 20 x 20 x 20 inches \$4.50 doz. Catalogue free All kinds of Boxes, Coops, Brooder Outfits, Heaters, Cookers, Whitewashers, Incubators, Etc.  
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## This Brooder Takes Care of 300 to 1500 Chicks

Start it going—it runs itself. Ask your dealer to show you or write for large circular.



## Newtown Giant Colony Brooder

(Coal Burning and Self-Regulating)

Coal feeds automatically. Magazine holds a full two-days' supply. Thermostat regulates heat at all times. Chicks do not crowd, but circulate freely in room and find temperature suited to their condition, whether newly hatched or weeks old.

Made in 2 sizes: No. 1 for 300 to 500 chicks; No. 2 for any number up to 1500 chicks. No pulleys or cords, no lifting of deflector when coaling or removing ashes. The economical Brooder that gives you more and better chicks. Investigate. If your dealer does not have it, write for Colony Brooder Circular A.

**NEWTOWN PRODUCING CO., Newtown, Pa.**



## R. AND S. C. BLACK MINORCAS AND R. C. BROWN LEGHORNS

We are offering for sale hundreds of breeders and show birds at mid-summer prices. Prize winners at Chicago, New York and St. Louis are being offered at reduced prices. We can supply you in pullets and cockerels in almost any numbers, as we raised 3,000. Remember we can fit you up with a show string to win at any Fall fair. Our Special Buying Proposition Is Offered to You—It is our ambition to place 3,000 birds in the hands of honest people. Order whatever you are wanting, make a small deposit and the balance can be settled in monthly payments. Our mating and Summer price lists are free. Send five red stamps for our big catalogue. Mention American Poultry Journal when writing.

EDGEMONT POULTRY FARM : : W. O. CHASE : : BOX B : : HILLSBORO, ILLINOIS



THE "CHASE"



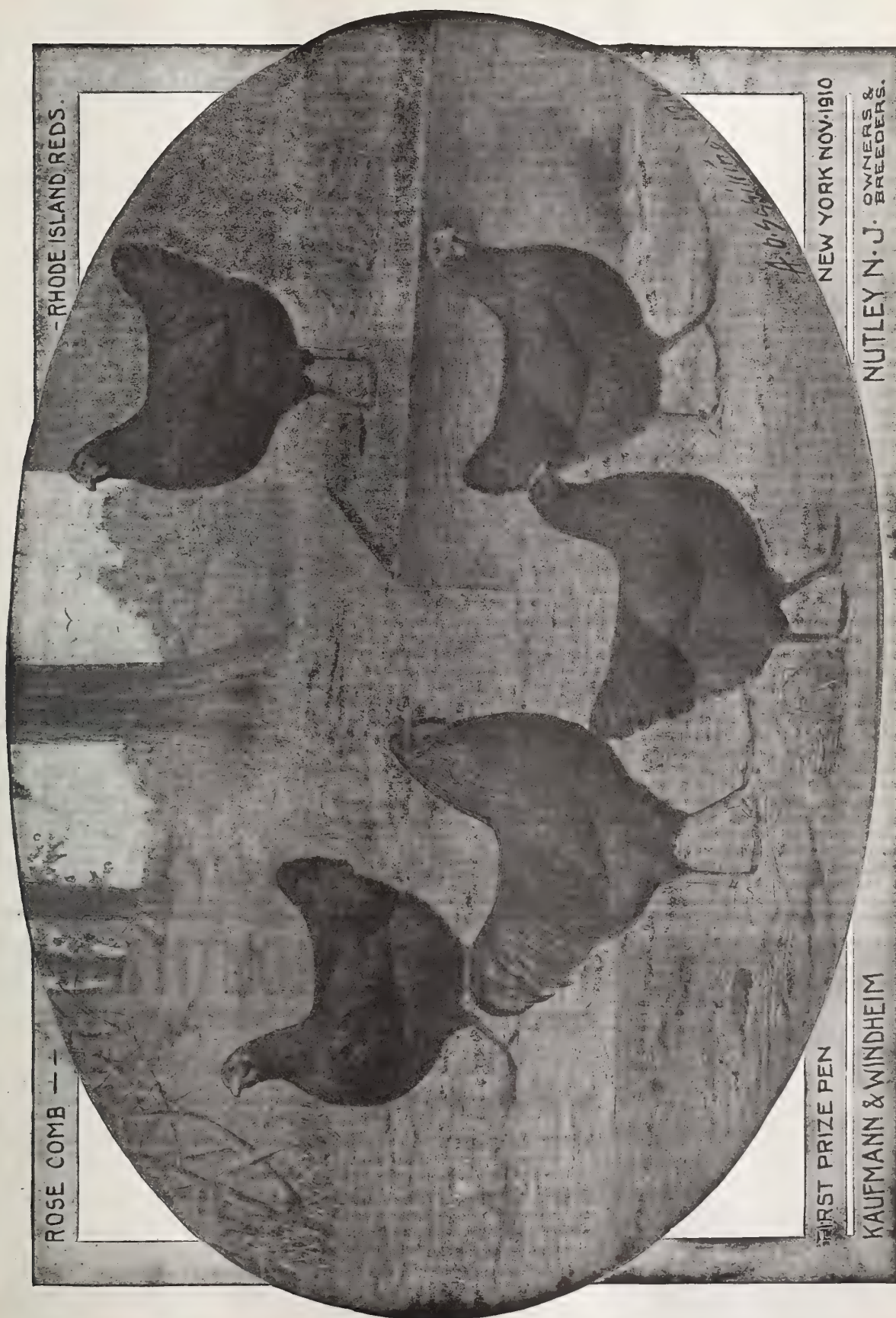
## 'Course You Are Going to Show

Then you want winners. You want the White and Stay-White kind. The kind of  
**WHITE WYANDOTTES**

Duston has. The kind you can win with and breed winners from. Note this copy of telegram rec'd from a customer who has been breeding and buying from me for four years: "Texas. You won 1st and 2d cock, 1st, 2d and 3d hen, 1st and 2d cockerel, 1st, 2d, 3d and 4th pullet, 1st and 2d pen, 3d best solid colored pen." My stock is all naturally white and I'll not knowingly send you a bird at any price that is not a White and Stay-White bird. I sold a cockerel for \$25.00 to a breeder in Indiana who won with him. I have sold him for years. This bird as a cock was sold to a prominent judge and breeder of White Wyandottes for \$100. He wanted this bird show. Only stock with breeding and correct color turn out this way. I could fill pages with unsolicited testimonials, but the above substantiates claims that I have the stock and naturally white, and should tell you where to go for your show birds, you just cannot afford to overlook writing me for quotations—The original White Wyandotte man.

**Arthur G. Duston, Box 1020, So. Framingham, Massachusetts**







## THE NEW YORK STATE FAIR.

The New \$80,000 Poultry Building  
Inaugurated—The New Management a Credit to the State—  
Entries Exceeded 5,000  
Specimens—By H. P. Schwab, Eastern Representative A. P. J.

A MODEL exhibition building. A model management and an ideal show was the popular verdict heard on all sides. For years we have been accustomed to see large and beautiful displays at the New York State Fair, they were shown in a shack of a building and with poor light and worse ventilating, but now we have a building as large and fine as we could wish for, and with superb conditions, the building is 362 feet long and 120 feet in width with high ceiling and the best of light. It is built of brick and iron and has every modern convenience.

The breeders of the state have long hoped for this and credit is due to many, but it remained for Commissioner Driscoll and Superintendent William H. Manning to insist and to start and to complete this building, which was built in just sixty days' time.

To Mr. Manning every consideration is due, for as superintendent of this great exhibit he has from the very start won his way to the hearts of the poultrymen; he is just the kind that all have confidence in, and I am sure that under his management the poultry exhibits at the New York State Fair will in future surpass those at any other show.

The exhibit was nicely arranged, the isles broad and clean and all birds shown singly. In the center of the hall is the large pond with a delightful display of fancy water-fowls, and in other sections of the building were cages of wild birds in variety and included a most perfect display of Pheasants. From first to last the general quality shown was of the best and in many cases it was of the superior kind with varieties complete. The breeders and exhibitors were a contented lot, and everyone we spoke to was glad they came. There were something over 5,000 birds cooped, and Barney Mosher was a busy man, his work and the general arrangements were most satisfactory, as every specimen was in place before time set for judging.

The New York Branch of the A. P. A. held their annual meeting here as usual, and it was the largest we have seen held in this state, with about sixty members present. A great deal of business was transacted and the new officers installed. The adoption of Rule 17 by the A. P. A. was protested, committees for future work were appointed, and they are live ones, and with Secretary Howell and harmony at work we hope soon to place this Empire State Branch in its proper place at the head.

We were pleased to meet here President E. B. Thompson and his son, also Mr. and Mrs. D. W. Young and several other breeders who came to look things over, and I am sure left with a greater and much better opinion of their state and the great exhibit seen. This management is working along the right lines and is the kind to instill confidence among the breeders and exhibitors, and they well deserve all with the hearty support of every man.

Here, as usual, several records were made, a mention of which will be noted later, but here we wish in particular to mention the great win of the Rancocas Farms in S. C. W. Leghorns and White Rocks. J. S. Martin's sweep in White Wyandottes, Guy Daily's win in White Rocks and Major Hugh A. Rose's record in Black Orpingtons. These were all records of unusual value and are worthy of every possible mention. Other classes also had their leading winners and in the following we will try and give due mention to all. We hope the breeders will bear in mind this fair for next year and then we hope to see this great building filled with upward of 8,000 birds; it is now up to them to make good and to show those who fought our battles and obtained for us this handsome building that we appreciate their work and that we have the goods right here in this state to bring out an exhibit as great and as fine as any held on earth.

#### The Birds and Their Breeders.

In Barred Rocks the first class in the show about 100 birds were seen and while not as large as it should be with this variety, it nevertheless was a class of quality with the Yama Farms, Napanoch, N. Y., making a clean sweep by winning

Old Pens 1-2-3, Young Pens 1-2-3-4, Cocks 1-2-3-4-5, Hens 1-2-3, Cockerels 1-2-3-4-5, Pullets 1-2-3, First Display and all Specials. In S. C. Black Minorcas they won Old Pen 3, Young Pen 1-2, Cock 1-2-3, Hens 1-3, Cockerels 1-2, Pullet 1-2, First Display and Specials.

This is a splendid win and Mr. Newton Cosh deserves credit for the quality of his stock and their superb condition. In the Rocks First Hen was the feature of the class with the two winning cockerels and pullets close up, this hen has the color and style of barring we want, it is the correct kind. Their winning cocks were all good but far from their best in feather.

Buff Rocks, a very large class, and we don't see how it could have been made much better, the birds as a rule were in fine feather and in both old and young shape and a quality of color was seen to strongly recommend this class as a whole. The Nescopeck P. F. Nescopeck, Pa., won second on both old and young pens, also Cock 1, Hen 1-3, Cockerel 3, Pullet 1 and Best Display. This is a line of National reputation and one we have often written of, it is one of merit all through.

Fred Armer, Ballston Spa, N. Y., another breeder of note won Old Pen First and several other places, he also is one of our oldest breeders of this variety.

Other winners were: L. H. Perry, N. Brusie, H. A. Eiler and Edgewood Farms. These Farms won First Young Pen on as fine a pen of birds as we expect to see at this season, they were finely mated and of the rarest quality in evenness of color and form.

It was a battle of the Giants for honors in White Rocks. Mr. Guy Daily, Jeffersonville, Ind., came all this distance looking for honors and won them, which is to his credit, and further he made friends with all he met and takes back with him to his Indiana home the best wishes of hundreds of eastern breeders. His birds showed character in type and with fine head points and the best of color. Down this way we are always anxious to see such stock and hope you will come again Mr. Daily. His winnings are Old Pen 1, Young Pen 3, Cock 1-4, Hens 2-3, Cockerels 3, Pullet 1-5, Best Display and Specials.

The Rancocas White Rocks (Browns Mills, N. Y.) were close up all the way and were in Chapman wonderful condition as usual. We can't say too much of this line of birds, we know it well and have seen it a winner at many of our best shows, but as seen again here we must say that it is again improved as its record must show, they won Second on both Old and Young Pens, Cock 3-5, Hens 1-4, Cockerel 1-2-4, Pullet 2-3-4 and several Specials.

The Waldron Poultry Yards, Ogdensburg, N. Y., ran a close race in this beauty class for honors and with but five entries made a noble winning with a line of stock that is commendable. Mrs. Waldron is the Chicken-man of this firm and takes her place in the front ranks as an exhibitor and conditioner, for her birds were shown in the pink of condition. Her winnings are



## WHITE PLYMOUTH ROCKS

### "The Best in the World"

#### WHY WORRY

About those coveted prizes at your fair or early show when for a few dollars I can supply you with birds with which you can win.

#### WHY WORRY

About selected breeders to infuse new blood or vitality in your flock when I can supply you with strong vigorous farm reared birds with blood lines no other White Rock breeder can give you.

#### WHY WORRY

About having eggs for your table this Winter when for a few dollars you can buy a utility flock of me that will produce you not only eggs for your own use but eggs to sell to your neighbor who has a variety of fowls that lay only when eggs are cheap.

Send for our special sale list, it is free and will interest you, I know. Write us, we want you to get acquainted.

U. R. FISHEL : BOX A : HOPE, INDIANA



Young Pen 1, Cock 2, Hen 5, and Cockerel 5. An excellent record at this great show and in a beauty class.

Columbian Rocks were a hot class with Wm. A. Orr, A. A. Whyland and E. J. Barney the leading winners. Other varieties were shown in fair sized classes including many rare specimens.

#### Wyandottes.

The Wyandottes have long been a favorite and strong class here and yearly in Whites in particular we have seen classes that favorably compare with the best seen throughout the season. This is due mainly to Mr. John S. Martin, Port Dover, Ont., who has been exhibiting here for the past eight years and in this time has made records that stand out strong for the quality of his line. Year after year he has won here an undisputed record and in most cases has taken all the honors competed for. This year with the best string he has ever shown he again swept the ribbons into his already full basket by taking Old Pens 1-2-3-4-5, Young Pens 1-2-3-4-5, Cocks 1-2-3-4-5, Hens 1-2-3-4, Cockerels 1-2-3-4-5, Pullets 1-2-4-5. If there is any breeder living that has a desire to win more than this, we would like to meet him. Mr. Martin has the goods. His line was never seen to better advantage and he was well entitled to every prize won. His First Cock and three winning Cockerels were by general consent the features of this great class with his females so close up that they also deserve the best of mention. It was a beauty display for which he also won First honors with Specials.

Columbian Wyandottes formed a class of about 80 birds and in them were seen many rare specimens. The three winning pens of old birds were all good with the young pens showing strong quality. First and second cockerels of good form and very fine color and markings. The leading winners here were D. V. G. Curtrice, Ballston Spa, N. Y., W. E. Hughson, J. T. Lohnes, J. H. Vandervort & Son, L. A. Ayers, etc.

Silver and Golden formed good sized classes and several fine birds were seen in them. The first Silver Cock a beauty.

Buff Wyandottes were a surprisingly large and valuable class, very even in quality and well shown. The winners without exception a beauty lot.

Partridge and Silver Penciled Wyandottes formed nice classes and both contained the quality we expect to see at this exhibit.

#### Leghorns.

The S. C. W. Leghorns formed the banner class of the entire exhibit with 286 birds entered by a line of well known breeders and from first to last it was filled with choice birds whose quality with condition were good to see. In this gigantic class the Rancocas Farms, Browns Mills, N. J., made a sweeping record that tells more of the quality of this line than we could if we wrote a year straight. Their winnings are Old Pen first in a class of 13, Young Pen first in a class of 18 and in both of these classes they exhibited but one pen each.

Cocks 1, Hens 1-2-3-4, Cockerels 1-2-3-4-5, Pullet 1-2-3-4-5, First Display and the "Manning Silver Cup" for best ten (10) birds in the entire exhibit. Here again we can say that these birds were entitled to every honor won for they as seen here compare with the very best. Their First Cockerel in style and shape, with ideal head points and a full well carried tail is a remarkable bird to say the least, he was finished to the minute. Second a beauty of extra size and carriage. Third a mite young, but oh what a bird and with perfect carriage. Their two pens were mated by a master and stood out strong in every detail. The winning pullets were a trim lot finished and at their best.

This Rancocas line with Mr. J. M. Foster, owner and Mr. Chapman as poultryman has been before the public for some years and they have won their way through our best shows on merit and it is safe to say that in the hands of these two men we can expect more records from them in the future.

This class as before stated was full of quality birds. The Maplewood P. Y., Attica, N. Y., exhibited a fine line that had to be considered. Others shown by W. W. Chilson, Jr., winning second young pen was a fine collection and Mr. A. Fisher, Canastota, winning second and third old pens.

The Bonnie Brook Poultry Farms, Saratoga Springs, N. Y., had a very complete display in all classes.

The R. C. White Leghorns were one of the best classes seen in some years with large entries in all classes with first old pen and the winners all very well shown.

The S. C. Browns, a good but small class, and the Rose Comb Browns a very large and extra good quality class.

Buff Leghorns also formed a rich class with several notable birds of sound pure color seen.

#### Rhode Island Reds.

The S. C. Reds formed a beauty class of 157 birds with competition keen in all classes and honors pretty well divided. Mr. H. W. Alt, Buffalo, N. Y., was the big winner here with Young Pen 1, Cock 4, Hen 5, Cockerel 1-3, Pullet 1, and Cup for Best Display. We were informed that the week before at Toronto, Mr. Alt won about all the prizes and including both First and Second Cocks. Mr. Alt has been one of our most reliable breeders for years and his winnings at Buffalo and other shows is a long one. He is a careful breeder and well deserves the reputation he has made and the records won.

Other leading winners were, W. H. Willet, W. W. Hazelton, Glove City P. Y., Rose Tilton, Adirondack P. Y., Mrs. W. L. Cobine, C. L. Hanchett, Frank Griffing and George Metzger.

In the Rose Combs there were 123 birds in line and a very even and high grade class it was. Judge Card thought the class of pullets about as good as he had seen and "Wid" sure was a busy man with all the Reds to do. The winners without exception, were a strong lot and

were in rare condition with general fine shape a feature here.

The winners were Wadsworth & Castner, H. E. Chesebrough, D. R. Hone, Ontario P. Y., Rose Tilton, W. W. Hazelton, Jenkins & Park, Geo. T. Davis, Chas. Hattersley, E. E. Hines and H. L. Green.

#### Asiatics.

Light Brahmas, with 76 birds shown, formed a beauty class for quality seen with numbers. Let us have more like this.

Dark Brahmas and all Cochins were rather small classes.

Black Langshans were a nice class of nearly 50 birds. Size, shape and color features here.

#### Orpingtons.

That the Orpingtons have not lost any of their favor was evident here with nice classes in all varieties shown. The Blacks were a beauty lot from first to last and in these Major Hugh A. Rose, Fonhill, Ont., again made his usual clean-up by winning First Pen, both old and young, Cock 1-2, Hens 1-2, Cockerel 1-2, Pullet 1-2, and Best Display. For size with shape and color this line holds some records, and we were pleased to handle the winners here and found color sound and head points proportioned and of the best. General condition the feature of all.

White Orpingtons numbered over 90 birds and in these a new champion was found in Mr. P. A. Demgar, Brown's Station, N. Y. He has been breeding for some time, but this is the first time we have met his birds, which for general quality are very superior. He won First in both Old and Young pens, Cock 1, Hens 3-4, Cockerel 1-2-3, Pullet 1-2, and First Display. His winning males were an extra strong lot of the best of form and bone, with nice heads and absolutely white. The pens were well mated and all birds showed breeding of value. This line will be heard from again; it deserves all it can get.

Buff Orpingtons were a very large class, rich in quality and birds in choice condition for this season. The Fairfield Farms, Fayetteville, N. Y., were prominent winners here and in their First Prize Old pen I noticed the cock that as a cockerel a year ago looked extra to me and whom I gave special mention. He has proven the quality bird we thought and now is as fair as ever; this whole line is a dependable one and they won good mention in about all classes.

Mr. J. D. Kryworth, Hudson Falls, N. Y., was another exhibitor that won a share with Old Pen 3, Young Pen 1, Hen 5, Cockerel 3-4. This winning young pen had all desired quality and finish, very even in color, the best of type and fine heads. We hope later to tell more of this line.

Other leading winners here were Major H. A. Rose, George Ranger, H. Schuster, Edward Schiller, M. J. Depew, A. Goetting, etc.

His Honor Judge Wm. Be-short Ather-ton did a splendid job with this class

## R. C. RHODE ISLAND RED COCKEREL SALE

A breeder from \$2.00 up. A show bird from \$10.00 up. All rich in the Bill Taft blood. Kaufmann & Windheim's famous strain. See advertisement on page 1262.



## MISS CAREY ENGLAND

Toynton, Spilsby

### AND HARMONY PARK, SCOTCH PLAINS, NEW JERSEY

Where in co-operation with this noted plant her valuable stock is always obtainable.

CAMPINES—Silver and Golden; ORPINGTONS—Buff, White and Blue; FAVEROLLES—Buff and White; LEGHORNS AND WYANDOTTES—200 to 280-Egg Strains, any breed purchased to order. DOGS—In all breeds for exhibition, guard, companionship or sport; from England's most noted kennels, delivered in tip-top form with Kennel Club Consular pedigrees. With the exception of White Orpingtons, all stock sold at Harmony Park for utility or exhibition will be imported direct from Miss Carey, England. Prompt attention, highest quality, reasonable prices. For quick service,

Address, HARMONY PARK, SCOTCH PLAINS, NEW JERSEY



and others handled. The breeders like his style and work alike.

#### Anconas.

The breeders of Anconas have every reason to feel proud of the class seen here, which numbered 76 birds, with the winners all very strong birds in type and markings. The winning young pen a beauty in mating and in high quality; second up close with a rare male. First and second cockerels very good and birds of great promise, as were also the five placed pullets, and then there were some good ones left.

#### Minorcas.

In the S. C. Blacks there were just 80 birds shown, that for size and shape were hard to beat. Under the heading of Rocks we have given the Yama Farms, Napa-

### 8-Weeks-Old Chicks

Not only avoid losses, but order and get exact number of pullets and cockerels wanted. 10,000 8-weeks-old chicks ready September 1—Barred and White Rocks—early layers for 1914. Special summer prices till October 1. Send for price list.

Pittsfield Poultry Farm Co.  
102 Main Street Pittsfield, Maine

## GOLDEN WYANDOTTES

Mine are annual winners at Boston, winning four Firsts last Jan. Good birds for sale, reasonable. Mention Am. Poultry Journal.

LOREN H. BROWN  
Lock Box 16 Lunenburg, Massachusetts

### Warm Water-Get Eggs

A little PUTNAM stove, nine inches diameter, four inches high, fire proof, keeps water from freezing in coldest weather. Holds three pints oil, burns a month without REFILLING OR TRIMMING. Prevents frosted combs. Extra eggs pay for stove every week. \$1.00 each; \$11.50 a dozen. Postpaid.

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#### RANGE-RAISED LAYING-LEGHORNS.

S. C. WHITE LEGHORNS, Yesterlaid Strain—Superior as layers and exhibition fowls. Acknowledged the best by 17 State Experiment Stations that have bought Yesterlaid stock or eggs. New customer offer includes Poultryology (most complete poultry book ever written) free

Yesterlaid Egg Farms Co., Dept. 5, Pacific, Missouri

## Cochin Bantams

### Black-Buff-Partridge-White



We wish to state that we have scientifically bred the 4 Varieties of Cochin Bantams exclusively for many years and our strain has proven its exhibition quality throughout U. S. Not only when exhibited by us, but many of our customers have reported marvelous victories, (at such shows as Rochester, Pittsburgh, Pasadena and many other renowned shows), which were accomplished with specimens of our strain. Therefore

The Real Cochin Bantams  
America's Best Cochin Bantams  
are bred in Ohio at the Wahebe Bantam Yards and such quality cannot be found anywhere else on this great continent. If it is your intention to win this season and to breed winners write the Home of America's Best Cochin Bantams, or you will be disappointed in your undertakings.

Wahebe Bantam Yards  
Box 13B, Evanston Station Cincinnati, Ohio

noch, N. Y., winnings, which includes five of the six first prizes and several others. The line of cockerels shown by this farm was a revelation to us.

#### Campines.

The Manhattan Farms, Brighton, N. Y., have again made their start the same as last year, when they made the round of the great shows and for the entire season nearly made a clean record of winnings. Here they won Old Pen 1, Cock 1-2-3, and Hen 1. In Golden Campines they won Old Pen 1, Young Pen 1, Cock 1-2-3, Hens 1-2-3. Not showing young birds. This is a very clean cut record and as one breeder told us, they had the goods right there to win with.

Mr. H. P. McDonough, Newark, N. Y., also made a splendid record by winning Second Young Pen, First Cockerel and First Pullet. In Golden he won Cockerel 1-2, Pullet 2-3. His first Silver cockerel was a feature bird with the best of form and superior markings, nice head, etc. A really great winner in a great class.

### THIRD INTERNATIONAL EGG LAYING CONTEST.

The Third Annual International Egg-Laying Contest opened November 1, at Storrs, Conn., under the auspices of the Connecticut Agricultural College. Several circumstances have combined to make a bigger and better competition.

One of the most interesting and valuable features of this contest will be the entry, by the Storrs Agricultural Experiment Station, of ten pens for experimental purposes. These pens will not, of course, compete for prizes, but will be used for testing different rations, different methods of feeding the same ration, and for other work of a similar character. The directors of the competition cannot, of course, conduct experiments with the birds of regular entrants in view of which fact they are pleased to have such an entry from the Experiment Station. Previous competitions at Storrs have been unable to have such attractive features, but can do so now by reason of the fact that the contest will be conducted under the exclusive management of the Connecticut Agricultural College, and not in coöperation with other and outside institutions.

International interest in the third competition will be keener than ever. The Englishmen succeeded in securing only fourth place in the first event; but at this writing (September 20) they will apparently win first honors in the second event, which closes October 31. They are not, however, satisfied with this showing; they are coming back doubly fortified; the leader has entered Wyandottes as well as Leghorns in an effort to distance American breeders with their own breeds.

Raising the number of birds from five to ten for each entry has been gratifying to competitors generally since it enables them to get a trapnest record of twice as large a flock at relatively half the cost per bird. Furthermore, pen records from flocks of ten are altogether much more reliable. Again, if any individual fails to produce (this has actually happened in three instances in the current competition), the pen record is not nearly so adversely affected as when five birds constitute the competing pen.

#### A Great Win.

Just as we are closing up the last form this month we received a telegram from Aldrich Bros., Columbus, Ohio, informing us that their White Orpingtons had won at the great Allentown Poultry Show, first and second cock; first and second hen; first, second and third cockerel; first pullet, and a customer of theirs won first pen. They also won futurities.

### SHOW DATES, 1913-1914

[Note—January and February show dates will be published in our November issue.]

#### ALABAMA.

Nov. 3-8. Troy—J. A. Henderson, secretary; Forbes, judge.

#### ARKANSAS.

Oct. 13-18. Little Rock—James V. Johnson, secretary; C. A. Emory, judge.  
Oct. 27-Nov. 1. Hot Springs—George R. Belding, secretary.  
Dec. 4-9. Rogers—Larry E. Palm, secretary.

#### CANADA.

Nov. 11-14. Grimsby, Ontario—Henry B. Strome, secretary.  
Dec. 8-12. Guelph, Ontario—R. W. Wade, secretary.  
Jan. 13-15. Mitchell, Ontario—Wm. Martyn, secretary.

#### COLORADO.

Dec. 8-13. Colorado Springs—J. R. Lowen, secretary; Chas. McClave, judge.  
Dec. 29-Jan. 2. Greeley—Clarence Candlin, secretary; A. H. Smith, judge.

#### CONNECTICUT.

Nov. 18-20. Mystic—Charles H. Denison, secretary.

#### DISTRICT OF COLUMBIA.

Dec. 23-27. Washington—P. Francis Sutor, secretary; George O. Brown, C. T. Cornman, H. P. Schwab, judges.

#### FLORIDA.

Oct. 23-31. Pensacola—N. J. Lillard, secretary.  
Nov. 25-28. Ocala—David S. Williams, secretary; F. J. Marshall, judge.  
Dec. 29-Jan. 3. Tampa—J. H. Wendler, secretary; Marshall, Cook, Woodworth, Carson, judges.

#### GEORGIA.

Oct. 7-10. Cartersville—Ruchs Pyron, secretary.  
Nov. 7-14. Augusta—R. S. Guess, secretary.  
Nov. 17-22. Columbus—Jno. S. Jenkins, secretary; Chas. T. Cornman, F. J. Marshall, judges.  
Dec. 8-13. Savannah—O. J. Metcalf, secretary.  
Jan. Comer—T. C. Hutcheson, secretary.

#### ILLINOIS.

Nov. 19-22. Forrest—R. W. Osborne, secretary; W. S. Russell, judge.  
Nov. 24-29. Moline—O. F. Freeman, secretary; O. L. McCord, Thomas B. Falkner, judges.  
Nov. 24-29. Rock Island—O. F. Freeman, secretary; O. L. McCord, Thomas B. Falkner, judges.  
Nov. 26-30. Quincy—A. D. Smith, secretary; Russell, Hale, Hare, Johnston, judges.  
Dec. 1-6. Beardstown—Victor L. Adelman, secretary; J. C. Johnston, judge.  
Dec. 2-5. O'Fallon—Ferd Morgenstern, secretary; Atkins, judge.  
Dec. 2-6. Lincoln—J. W. Walker, secretary; Campbell, judge.  
Dec. 2-6. Peoria—James T. Cunningham, secretary; O. L. McCord, D. E. Hale, judges.  
Dec. 10-13. Alton—A. Consley, secretary; D. E. Hale, J. C. Johnston, judges.  
Dec. 10-13. Jacksonville—Jas. C. Weber, secretary; Geo. A. Heyl, judge.  
Dec. 12-17. Chicago—W. Theodore Hewes, secretary; W. S. Russell, O. L. McCord, J. T. Rountree, D. E. Hale, James A. Tucker, F. L. Sewell, H. B. Hark, W. C. Pierce, A. O. Schillings, A. C. Smith, H. A. Pickett, judges.  
Dec. 15-20. Freeport—Paul Wurtzel, secretary; Geo. Heyl, judge.  
Dec. 15-20. Milledgeville—C. A. Straka, secretary; F. H. Shellabarger, judge.  
Dec. 16-19. Hincley—G. Anderson, secretary; Harry W. Atkins, judge.  
Dec. 16-20. Cowden—B. W. Breighner, secretary; B. H. Shinoske, judge.  
Dec. 16-20. Pontiac—O. A. Tuttle, secretary; Chas. V. Keeler, judge.  
Dec. 17-19. Benton—M. D. Clayton, secretary; T. M. Campbell, judge.  
Dec. 17-19. Thompsonville—Chas. E. Phillips, secretary; E. M. Quay, judge.  
Nov. 18-21. Granite City—J. W. Costley, secretary; D. E. Hale, judge.  
Dec. 22-27. Lanark—J. A. Shaner, secretary; Charles McClave, Theodore Ellis, judges.  
Dec. 24-27. Kempton—W. W. Kemp, secretary; T. M. Campbell, judge.  
Dec. 26-29. Staunton—Chas. C. F. Fritz, secretary; J. C. Johnston, judge.  
Dec. 29-Jan. 3. Canton—E. D. Geiger, secretary; Johnson, judge.  
Dec. 30-Jan. 2. Champaign—Paul T. Bacon, secretary; D. E. Hale, judge.



Dec. 30-Jan. 3. Aurora—C. L. Valentine, secretary; W. C. Piene, W. S. Russell, judges.

## INDIANA.

Dec. 8-13. Goshen—D. E. Emerick, secretary; H. A. Pickett, judge.  
Dec. 8-13. Princeton—Walter J. Heller, secretary; Louis J. Demberger, judge.  
Dec. 9-14. Michigan City—A. L. Peterson, secretary; S. B. Johnston, judge.  
Dec. 10-13. Marion—Frank Sherwin, secretary; H. A. Pickett, judge.  
Dec. 11-13. Connersville—A. J. Roth, secretary; W. W. Zike, judge.  
Dec. 12-17. Indianapolis—Theodore Hewes, secretary.  
Dec. 22-27. Sheridan—G. R. McMurtry, secretary; Pickett, judge.  
Dec. 29-Jan. 3. Angola—J. Mack Fisher, secretary; H. A. Pickett, judge.  
Dec. 30-Jan. 2. Elmore—Oscar P. Hadler, secretary; Coleman, judge.  
Dec. 31-Jan. 6. Terre Haute—M. Austin Potter, secretary; Theo. Hewes, judge.

## IOWA.

Nov. 22-28. Des Moines—K. H. Guthrie, secretary; W. S. Russell, G. D. Holden, judges.  
Nov. 24-29. Davenport—Harry W. Atkins, secretary; Russell, Cram, judges.  
Nov. 24-29. Independence—C. J. Friedman, secretary; Carl Dare, judge.  
Dec. 1-5. Maquoketa—N. J. Rankin, secretary; F. H. Shellabarger, judge.  
Dec. 1-5. Villisca—J. H. Todd, secretary; Carl Dare, judge.  
Dec. 1-6. Muscatine—J. C. Collins, secretary; Russell, judge.  
Dec. 2-6. Dyersville—Frank Faha, Jr., secretary; U. J. Shanklin, judge.  
Jan. 5-9. Decorah—Len Larson, secretary; Chas. V. Keeler, judge.  
Dec. 9-12. Jefferson—H. E. Latham, secretary; Shanklin, judge.  
Dec. 9-13. Clarinda—Mart Rahn, secretary; Carl Dare, judge.  
Dec. 9-13. Richland—J. D. Brems, secretary; Joseph Dagle, judge.  
Dec. 9-14. Dubuque—Paul Krocheski, secretary; W. S. Russell, judge.  
Dec. 10-13. Centerville—Bert F. Pixley, secretary.

## KANSAS.

Nov. 17-20. Severance—D. J. Ward, secretary; Adam Thompson, judge.  
Dec. 1-5. Pittsburg—D. J. Mackey, secretary; Adam Thompson, judge.  
Dec. 8-13. Emporia—F. J. Horton, secretary; J. J. Atherton, judge.  
Dec. 8-13. Coffeyville—Charles Radloff, secretary; Henry C. Dipple, judge.  
Dec. 15-20. Neodesha—E. L. Graves, secretary.  
Dec. 18-20—Osborne—L. J. Cowger, secretary; W. A. Lamb, judge.  
Jan. 5-11. Independence—L. H. Wible, secretary.  
Jan. 20-23. Leavenworth—C. M. Swan, secretary; Shellabarger, judge.

## KENTUCKY.

Oct. 7-10. Hopkinsville—B. G. Nelson, secretary; H. A. Pickett, judge.  
Dec. 1-6. Louisville—John A. Murkin, secretary.

## LOUISIANA.

Nov. 5-12. Shreveport—Louis N. Brueggerhoff, secretary; O. L. McCord, judge.

## MASSACHUSETTS.

Nov. 26-29. Mansfield—Faye Howe, secretary; Lambert, judge.  
Dec. 5-6. Kingston—A. H. Holmes, secretary; Geo. W. Weed, J. E. Mack, judges.  
Dec. 11-13. Lawrence—Neal W. Webster, secretary; I. K. Felch, L. Burnham, Jesse Rutter, D. P. Shove, judges.  
Dec. 16-18. Springfield—H. L. Davis, secretary; W. B. Atherton, Paul P. Ives, W. H. Card, C. H. Welles, Richard Oke, judges.

## MICHIGAN.

Dec. 8-14. Battle Creek—De Lloyd Schell, secretary; Heck, Mullinix, Sewell, judges.  
Dec. 27-Jan. 1. Jackson—W. O. Wellman, secretary; W. S. Russell, judge.  
Dec. 27-Jan. 3. Lansing—L. D. Maxson, secretary; Wm. Wise, judge.  
Dec. 30-Jan. 2. Petoskey—E. M. Martin, secretary; R. V. Otto, judge.  
Dec. 30-Jan. 2. Zeeland—Jno. A. Hartgerink, secretary; R. V. Otto, judge.

## MINNESOTA.

Nov. 24-27. St. Cloud—L. R. Swift, secretary; Ralph Whitney, judge.  
Dec. 2-7. Crookston—Mrs. F. C. Mitchell, secretary; E. G. Roberts, judge.  
Dec. 3-6. Rochester—C. A. Boyd, secretary; Whitney, judge.  
Dec. 3-6. Two Harbors—Fred D. W. Thias, secretary; Gimlin judge.

Dec. 22-26. Albert Lea—H. E. Ruble, secretary; Jos. Dagle, judge.  
Jan. 20-24. Bird Island—Paul Kolbe, secretary; A. C. Smith, judge.

## MISSOURI.

Oct. 8-9. Galena—W. D. Craig, secretary.  
Nov. 24-29. St. Louis—James J. Long, secretary; C. S. Byers, C. A. Emry, Frank Heck, Charles H. Rhodes, T. J. Rountree, J. S. Mertins, judges.  
Nov. 25-Dec. 1. St. Louis—Henry Steinmesch, secretary; Theodore Hewes, A. C. Smith, C. S. Byers, Fred Harrison, E. C. Branch, Edw. Joynson, Tom Woods, V. O. Hobbs, J. A. Leland, judges.  
Nov. 25-Dec. 1. St. Louis—T. W. Orcutt, secretary; Woods, Hobbs, Falkner, Young, Russell, Byers, Tucker, Branch, Cowan, judges.  
Dec. 2-6. Maryville—Joseph H. Saylor, secretary; E. M. Quay, judge.  
Dec. 10-13. La Belle—W. H. Breedlove, secretary; Elmer Gimlin, judge.  
Dec. 11-18. Chillicothe—T. E. Quisenberry, director.  
Dec. 11-16. Kansas City—E. L. Noyes, T. E. Quisenberry, secretaries; Reese V. Hicks, C. H. Rhodes, E. C. Branch, Adam Thompson, C. A. Emory, D. T. Heimlich, V. O. Hobbs, T. W. Southard, E. W. Rankin, Tom H. Woods, J. W. Southmayd, Ralph H. Searle, L. H. Wible, judges.  
Dec. 18-20. Butler—Mrs. A. R. Guyton, secretary; Branch, judge.

## MONTANA.

Dec. 9-13. Stevensville—D. W. Harbuts, secretary; Greenfield, judge.

## NEBRASKA.


Nov. 30-Dec. 2. Pawnee City—A. L. Jaeka, secretary; E. C. Branch, judge.  
Dec. 8-12. Fremont—Fred S. Davis, secretary; Fred H. Shellabarger, judge.  
Dec. 10-12. Central City—W. D. Farrand, secretary.  
Dec. 10-13. Bennet—J. D. Gardner, secretary; A. H. Smith, judge.  
Dec. 16-19. Ord—Carl Johnson, secretary; A. H. Smith, judge.

## NEW HAMPSHIRE.

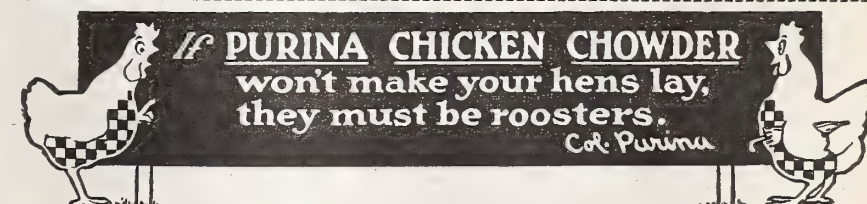
Dec. 2-4. Franklin—A. G. Thompson, secretary; Ballou, Coolidge, judges.  
Dec. 9-12. Laconia—P. R. Lane, secretary.  
Dec. 30-Jan. 2. Manchester—George C. Felton, secretary.

## NEW JERSEY.

Nov. 12-15. Jersey City—James Eagan, secretary.  
Nov. 19-22. Paterson—Dr. G. Johnson, secretary.  
Nov. 24-29. Dover—Carroll H. Hoagland, secretary.  
Nov. 24-29. Morristown—D. F. Williamson, secretary; Heller, Bowman, Ives, Hallenbeck, judges.  
Nov. 26-29. Bridgeton—Chas. H. Maier, secretary; Kennar, Baldwin, Stanton, judges.  
Dec. 4-6. Caldwell—M. S. Speiden, secretary; M. J. Stanton, J. H. Wolseifer, Charles Nixon, judges.



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Dec. 10-13. Passaic—W. Scott, secretary; Nixon, Stokes, Fiske, Stanton, judges.

#### NEW YORK.

Oct. 21-25. Sayville, L. I.—Theodore Helm, secretary.  
Oct. 28-Nov. 1. Patchogue—C. W. Coleman, secretary; W. J. Stanton, judge.  
Nov. 10-15. Gloversville—B. W. Mosher, secretary.  
Nov. 10-15. Hempstead, L. I.—R. H. Wilcox, secretary; W. H. Card, J. H. Wolseffer, M. J. Stanton, Rowland Story, judges.  
Nov. 10-15. Johnstown—B. W. Mosher, secretary.  
Nov. 13-14. Cornwall—George Hole, secretary.  
Nov. 19-22. Yonkers—Rudolph Appel, secretary; Drevensedt, Davey, Ott, Stanton, Doll, judges.  
Nov. 24-29. Buffalo—J. H. Drevensedt, secretary; Charles D. Cleveland, W. B. Atherton, W. G. Minich, George H. Burgett, Wm. McNeil, L. G. Jarvis, W. C. Pierce, J. W. Andrews, W. C. Denny, A. C. Schilling, F. L. Maunder, W. C. Card, A. J. Braun, judges.  
Nov. 25-29. Albany—John D. Jaquins, secretary.  
Nov. 25-28. Peekskill—G. A. Aschenbrenner, secretary.  
Dec. 2-6. New York City—L. D. Howell, secretary; Hicks, Weed, Card, Wolseffer, Schilling, Young, Sites, Orr, Green, Schwab, Wells, Doll, Punderford, Fiske, Glass, Hay, Shaw, Feather, Gorse, judges.  
Dec. 2-6. Saratoga Springs—H. Eddy, secretary.  
Dec. 7-13. Syracuse—A. Augustus Eiler, secretary.  
Dec. 8-13. Batavia—Fred Bentley, secretary.  
Dec. 10-12. Catskill—J. Arch Hay, secretary; R. J. Hoagland, judge.  
Dec. 9-12. Corning—M. B. Coger, secretary; F. D. Maunder, judge.  
Dec. 15-20. Rochester—J. F. Tallinger, secretary; F. G. Bean, Charles T. Cornamn, H. M. Kenner, Charles Nixon, C. J. Andruss, Rowland Story, T. F. Jager, J. F. Van Alstyne, M. V. Caldwell, judges.  
Dec. 26-Jan. 1. New York City—Charles D. Cleveland, secretary.  
Dec. 29-Jan. 3. Rochester—F. A. Newman, secretary; W. Theodore Whittman, Herman W. Grannis, Henry R. Ingalls, M. Frank Cook, F. J. Taylor, G. Archie Turner, A. J. Braun, W. J. Wirt, judges.

#### NORTH CAROLINA.

Dec. 2-6. Winston-Salem—Wm. Carey Brown, secretary.

#### OHIO.

Nov. 24-29. Akron—C. M. Woodring, secretary; Charles McClave, judge.  
Nov. 26-30. Hamilton—J. E. Humbach, secretary; Tucker, Lanius, judges.  
Dec. 2-6. Xenia—A. G. Spahr, secretary; S. G. Case, judge.  
Dec. 7-12. Bucyrus—E. G. Reid, secretary; Northup, Coe, judges.  
Dec. 8-13. Bellefontaine—C. B. Halboth, secretary; Z. D. Struble, judge.  
Dec. 9-14. Wooster—Arthur H. Smith, secretary; J. Gault, J. McIntosh, judges.  
Dec. 15-19. Gallon—W. M. Huffman, secretary; D. D. Whitaker, judge.  
Dec. 29-Jan. 3. Bowling Green—A. A. Whipple, secretary; A. H. Emch, judge.  
Dec. 29-Jan. 3. Canton—F. J. Miller, secretary; H. C. Dipple, Chas. McClave, J. W. Mulinix, judges.  
Dec. 30-Jan. 3. Norwalk—A. C. Thomas, secretary; Chas. McClave, judge.  
Dec. 30-Jan. 3. Lectiona—C. A. Angemyer, secretary; S. G. Case, judge.

#### OKLAHOMA.

Nov. 24-30. Tulsa—Guy L. Reed, secretary; Adam Thompson, judge.  
Dec. 2-6. Kingfisher—G. J. Mitchell, secretary; R. H. Searle, judge.  
Dec. 3-6. Elk City—C. B. Garlow, secretary.  
Dec. 8-13. Woodward—C. C. Hoag, secretary; G. D. McClaskey, judge.  
Dec. 11-13. Sulphur—H. W. Broodbent, secretary; L. C. Winning, judge.  
Dec. 15-20. Hobart—Harry L. Bretch, secretary; Adam Thompson, judge.  
Dec. 16-20. Hydro—Mrs. Lulu G. Thralls, secretary; A. J. Myers, judge.  
Jan. 26-31. Enid—L. W. Scherich, secretary; C. H. Rhodes, C. A. Emory, judges.

#### PENNSYLVANIA.

Nov. 17-24. Easton—S. W. Godley, secretary.  
Nov. 18-21. Ridgway—H. P. Schwab, secretary.  
Nov. 24-30. Pittsburgh—A. J. Henning, secretary; Wm. F. Auerswald, Chas. H. Moore, judges.  
Nov. 25-28. Williamsport—McCormick Dawson, secretary; Henry P. Schwab, Richard Oke, Charles Nixon, J. C. Punderford, Herman Sonder, judges.  
Nov. 25-29. Mount Carmel—Thomas F. Owens, secretary.  
Nov. 25-29. Myerstown—H. P. Spannush, secretary.  
Nov. 25-29. Spring City—Frank Kline, secretary; Fell, Bean, Poley, Hoffman, judges.  
Nov. 26-29. Mohnton—J. H. Fichthorn, secretary; Geo. W. Webb, judge.

Dec. 2-6. Pottsville—J. W. Beck, secretary.  
Dec. 9-12. McDonald—A. V. Campbell, secretary.  
Dec. 10-12. Hughesville—Geo. Hoffman, secretary; F. G. Weil, judge.  
Dec. 10-13. Amityville—Chas. G. Rhoades, secretary; Wm. B. Miller, W. B. Wisler, judges.  
Dec. 10-13. Lebanon—Sam Black, secretary.  
Dec. 16-19. St. Marys—F. D. Lambert, secretary; F. V. L. Turner, judge.  
Dec. 16-20. Philadelphia—Frank E. Gilbert, secretary.  
Dec. 16-20. Uniontown—J. K. Ritenom, secretary; Cornman, Oswald, judges.  
Dec. 16-20. Uniontown—M. B. Provins, secretary.  
Dec. 16-21. Waterford—C. S. Shaw, secretary; N. W. Peters, judge.  
Dec. 22-27. McKeesport—W. W. Sloes, secretary; Geo. H. Northup, Geo. W. Webb, judges.  
Dec. 23-27. Evans City—Victor A. Barnhart, secretary; F. A. Kummer, judge.  
Dec. 30-Jan. 2. Lewistown—R. S. Foster, secretary; H. Kenner, judge.  
Dec. 31-Jan. 3. Biglerville—O. C. Rice, secretary; Cornman, Wiles, judges.

#### RHODE ISLAND.

Dec. 12-13. Westerly—Roger F. Dunham, secretary.  
Dec. 17-20. Wakefield—Frank E. Ennis, secretary; Paul V. Ives, Daniel J. Lambert, judges.

#### SOUTH CAROLINA.

Oct. 27-30. Camden—T. L. Little, secretary.  
Oct. 27-31. Columbia—T. L. Little, secretary; U. R. Fishel, H. B. Lansden, E. C. McGregor, C. E. King, judges.  
Dec. 30-Jan. 2. Chester—H. S. Adams, secretary; Brown, judge.

#### SOUTH DAKOTA.

Dec. 8-12. Sioux Falls—Roy W. Sherwood, secretary; F. E. Harrison, judge.

#### TENNESSEE.

Dec. 8-13. Chattanooga—E. C. Barnes, secretary.

#### TEXAS.

Nov. 10-15. Houston—H. J. Kahrssen, secretary; F. H. Shellabarger, judge.  
Nov. 18-22. Cuero—L. W. Coit, secretary.  
Nov. 15-22. Beaumont—W. P. Shepherd, secretary; C. P. Van Winkle, judge.  
Nov. 22-29. Fort Worth—Emmett Curran, secretary; H. B. Savage, Tom H. Woods, judges.  
Nov. 24-29. Taylor—E. C. Trauernicht, secretary; C. P. Van Winkle, judge.  
Nov. 25-27. Honey Grove—W. T. Bowers, secretary; D. G. Coffman, judge.  
Dec. 3-6. Greenville—G. A. Wilson, secretary.  
Dec. 9-12. Cleburn—J. S. Hoffman, secretary; Geo. M. Knebee, judge.  
Dec. 10-14. Victoria—F. F. Aschbacher, secretary; N. G. Crews, J. W. Davis, judges.  
Dec. 18-20. Gatesville—F. A. Stroy, secretary; C. P. Van Winkle, judge.  
Jan. 14-18. San Antonio—Ed. M. Steves, secretary.

#### VERMONT.

Dec. 2-4. Bellows Falls—Roy S. Buxton, secretary; Brundage, Ives, Beebe, judges.

#### VIRGINIA.

Nov. 19-21. Berryville—J. E. Harris, secretary.  
Dec. 2-6. Roanoke—F. J. Gormican, secretary.  
Jan. 6-9. Norfolk—Paul W. Kear, secretary; Chas. Nixon, Fred Huyler, judges.

#### WEST VIRGINIA.

Nov. 25-28. Keyser—W. C. Pifer, secretary; Jacob Eberly, judge.  
Dec. 30-31. Buckhannon—A. S. Watkins, secretary; M. M. Barger, judge.

#### WISCONSIN.

Dec. 3-8. La Crosse—Joseph H. Poehling, secretary; E. H. Hoffman, T. J. Rountree, judges.  
Dec. 4-7. Manitowoc—A. P. Schurian, secretary; Geo. M. Wells, George Ewald, judges.  
Dec. 4-8. Watertown—Albert R. Zier, secretary; W. H. Laabs, judge.  
Dec. 8-11. Wittenberg—Walter C. Puchner, secretary; Elmer Gmlin, judge.  
Dec. 10-15. Fond du Lac—O. E. Born, secretary; Geo. M. Wells, judge.  
Dec. 10-14. Oconomowoc—R. M. Hadley, secretary; James A. Tucker, judge.  
Dec. 16-20. Bangor—E. Williams, secretary; Laabs, judge.  
Dec. 29-Jan. 2. Mukwonago—R. J. Porter, secretary; W. H. Laabs, judge.  
Dec. 30-Jan. 2. Rudsburg—H. D. Kelley, secretary; Geo. H. Northup, judge.

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## A FIFTY-THOUSAND BIRD EGG FARM.

A Visit to Rancocas Farm at Browns Mills, N. J.—By E. J. W. Dietz.

WITHOUT doubt the most treacherous coast along the shores of successful poultry keeping are the places where the hidden rocks and questions concerning the keeping of fowls in large numbers are located. In theory many poultry keepers think that if they have success with one hundred fowls they will have equal results and greater success with one hundred or one thousand times as many. But, in practice this is not so. It seems that in poultry keeping, particularly, that as you add to your numbers you multiply your difficulties.

For twenty-five years I have lived in the vicinity of Chicago and during most of that time have been interested in poultry keeping and poultry farming. I have seen many plants, costing thousands of dollars, spring up in this vicinity, from time to time, and in a very few years the apparently successful operations would be discontinued suddenly. In studying the history of such plants in an endeavor to find the causes for such discontinuances, it seemed that in practically every case the proprietor did not have the "know how"; and of the many who seemed to know how all seemed to be lacking the necessary capital to make a proper beginning.

With a knowledge of such facts, the reader can imagine the eagerness with which I accepted the invitation extended, while in attendance at the annual convention of the American Poultry Association at Atlantic City recently, to visit what was said to be the largest poultry plant in the world. It was said that, while this may not be the largest as far as number of acres is concerned, it was by far the largest as far as the number of fowls was concerned, as it inhabited some fifty thousand fowls. The prospects were so alluring that some forty-four of those who attended the convention accepted the invitation. Among this number were the poultry professors and instructors of numerous agricultural experiment stations. Among whom were the following: Prof. Quisenberry of Missouri, Dr. Pearl of Maine, Graham of Massachusetts, Smith of Minnesota, Phillips of Indiana, Nelson of Mississippi, and Lewis of New Jersey. Besides these there were several proprietors of prominent poultry farms in the east and west, and a few representatives of poultry journals. With such a number to bear witness of what I shall attempt to say about what I saw at this place, I realize that I must stick to the facts or I will be contradicted both in my premises and in my conclusions.

We were met at Browns Mills, N. J., by two hay-racks and the character of the crowd can be determined by the alacrity with which they all got into the hay-rack wagon. They had all, very evidently, been in such a rig before. We were first taken to the large, fine administration building, as it is called, but which contains also the grain storage; the basement is the incubator cellar and an ell to one side makes a brooding house for small chicks. In the commodious offices which are located in this fine cement and brick structure there was plenty

of room to leave our wraps, and as the day was warm many of the men divested themselves of their coats and vests and got down to something like working conditions so that they felt more at home on a poultry farm. Then about 10 a. m. began the tramp over the 241 acres, almost all of which was in use as poultry yards. It took until after midday to cover the buildings and yards on what are known as Rancocas Farm. We saw about 51,000 fowls, young and old, which I feel sure is the largest number on any farm in this country. It would take a book to tell all that we saw that forenoon, and a book is published giving in detail the layout and description of these houses and yards of this farm.

After visiting every part of these poultry yards and houses, we were again loaded on the hayracks and driven to the lawn in front of the residence, where we found tables under the spreading trees loaded with good things to eat. Our early morning get-away from Atlantic City and the tramping we had done prepared us to fully appreciate a good dinner. And if "actions speak louder than words," then the host and hostess must have understood that we appreciated their hospitality.

Almost before we had time to let our hearty meal settle we were again loaded onto the hayracks and driven to "Quality Farm," which is located farther up the road from the depot, on which are kept the high quality breeding birds, both White Leghorns and White Rocks. The birds we saw there would fill any fanciers of these breeds with envy. Practically every bird which we saw running around on liberal free range was of the purest whiteness, and all looked strong, vigorous and healthy. The birds here are under the immediate charge of Mr. Chapman, and their fine condition speaks volumes in favor of their caretaker.

While there were not as many fowls on this farm as on Rancocas, yet it took more time for the illustrious poultrymen in the party to see them. Almost every specimen required time for admiration and before the view of all was really satisfied the call rang forth "You must hurry to catch the 4:20 train." Thus we had spent over six hours viewing these birds in flocks ranging from 500 to 1,500, and had only time to give them a casual glance.

The college men went to New Brunswick, N. J., where they were to have a two days' session discussing poultry raising matters, and as our destination was a few miles beyond we went along with them. I heard more than one of them say, "It was the most delightful and instructive day they had ever experienced."

This farm and the results are worthy tablets to the ability of Mr. Joel M. Foster. We realize that he does not claim all of the honor and is willing to share it with his assistants; but his is the master mind and he deserves credit for the ability of choosing proper assistants. In a general way we might say that on Rancocas Farm the houses are divided into clusters of three and one attendant is placed in charge of such group of three and held responsible for results. Of course he works under a general superintendent, but it is his prime duty to see that everything about these houses are in proper condition. In two of the houses are between 500 and 600 laying hens and in the other one he is given in the spring 1,500 day-old chicks to brood and care for. If the books at the end of the year show that his hens average over twelve dozen eggs a year and if he succeeds in rearing a certain percentage of the young chicks, he is paid a bonus of \$100 over and above his regular salary. This plan is one of the secrets of success of this farm and might be used successfully elsewhere.

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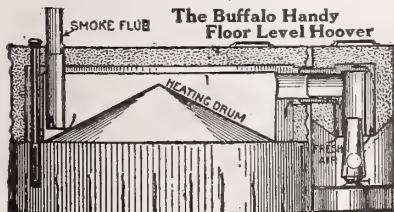
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# Home and the Table

## Good Things for Everybody

Helen T. Woods  
Editor

**M**ANY GREAT AND useful truths have been discovered from time to time and brought to the attention of unthinking mankind, but none more weighted with worth than that of the great importance of fresh air and sunshine to all living creatures. Here we have two of mankind's choicest gifts, which, because of their freedom to all, are classed by many as worthless possessions.

Everywhere we hear men and women complaining of the same round of duties which confronts them day after day. Life itself becomes monotonous since they put so little that is new into it. Out of doors in Nature's great storehouse are millions of things waiting to interest them, not one of which but would admit of a lifetime's study, and still much to be learned. Give a healthy, wide-awake child a life in the open. Let him learn to know and love the trees, the flowers, the birds, the sky, the sun, and the stars at night, and give him the opportunity to find out about these things, and he will have educated himself to be a far more useful and helpful citizen than any which the indoor schools turn out. Let him night after night watch that great sun, with its marvelous beauty of color, sink into the western horizon, and the stars that one by one appear, silent and regal in their marvelous beauty, as they dot the canopy of the heaven. Let him again watch the first tints of the dawn, the breaking away of the night, the first faint rosy glow of that same sun whose glory filled the whole western sky but a few hours before. Let him learn to know and love the twitter of birds as they nest in the tree-tops about him. Let him while yet a

little child awake to the marvels and beauties of the world in which he lives, and you will have opened a book of happiness before him whose interest will never lag and whose influence will be only for those things that are good and pure and true.

Probably a few thousands—perhaps only hundreds—of years ago, our ancestors were as opposed to the use of water as many today are opposed to open-air living. Get into any public conveyance and the fact is soon proven that the vast majority of people are afraid of good, pure air, since a little stream of it coming from an open window will soon be the cause of having the window closed. They cling to the warm air, no matter how vile, as it must necessarily be, when breathed over, and over. The task of giving this class of citizen an airing is about hopeless during the cold weather, but at this season of the year there is no need to fear "drafts" and "sudden changes."

The best thing that any of us can do, when tired and weary in spirit, when things grow monotonous and dull, is to get out into the open and see what is going on there. There is no better season than now. A thousand and one strange and wonderful things await you. The great out-of-doors has the most wonderful and permanent effect upon the character and the lives of those who live in it. If you are restless and dissatisfied, if the dread neurasthenia is clutching at your vitals, get out of doors, for no other treatment can produce so calming an influence as can Nature, when her tired children come to her for rest.

If there is anything that has helped womankind in her onward march toward progress, it is the realization of the uselessness of being tied down to the care of an immense house. A house is all right in its place, but the whole of a woman's life should not be spent therein. At least a great many of us are now conscious of the fact that the great out-of-doors, Nature's gardenland, is much freer and healthier and better for us. So we now have sleeping porches, and tents, and days in the woods, and we are not afraid of the "night air" as containing some deadly poison, as was once believed. A friend wrote us last summer that she had only just begun in her seventieth year to know what real living means. She wrote:

"To wake up in the morning so alive to the beauties of life and so

refreshed from healthy slumber makes me feel like a child again. I began the outdoor living in June last year, and I loved it so from the start that I wanted to do something to institute perpetual summer. I could not bear the thoughts of giving it up. Italy or the south of France, or even California or Florida, were not within my range of possibilities.

"Well, when the frosts of autumn came I put on more blankets. When snow piled in fleecy drifts about the floor of my outdoor retreat, I put on more blankets, a sweater, woolen night clothing, and slept the sleep, if not of the blest, of one who could at least appreciate the blessings of good air and sunshine. On clear days, all summer and winter, the bedding is bathed in sunshine and air (than which there are no better purifiers), and I've decided that if I could live seventy years in the old way, I shall live at least twice that in the new. At any rate, I am now living a fuller and more enjoyable life than ever before."

From those who have tried out-of-door living by night or by day, or both, we hear only the most enthusiastic approbation of it. In mosquito-ridden countries, for sleeping out of doors, there must be provided some protection from these pests, and the same is true of eating out of doors where flies swarm. The main thing is to get people in the habit of enjoying life in the open; the rest, such as freedom from flies and mosquitoes, will come in time. A personal war against these pests will hasten the day. It is your fight as well as mine, so let us all be on the warpath.

There is no need to allow life to become one round of monotony. The appreciation of things beautiful out of doors will give you an insight into things that can be gotten in no other way. Everywhere around us are fields and woodland, beautiful in their attractive attire; wide-viewed hilltops and peaceful valleys where the shimmering water of some brook or pond stretches before you. None of us should be so tied down, so busy, so overworked, that we cannot get out from the brick walls and noise and dirt of the city to enjoy what the gods provide. You do not need to have an automobile to reach the open fields and leafy lanes. A little ride on the trolley car will land you at some garden-spot "far from the madding crowd," where you may rest and enjoy more in an afternoon than you could in a month in town. If you have no week days free from toil, Sunday was made for just such appreciation of God's handiwork, and in no other way can we so easily be made to feel the eternal wisdom and justice; and that happiness is the right and privilege of every human being.

The world awaits; your enjoyment of her beauties. Get out into the open and learn how to live.

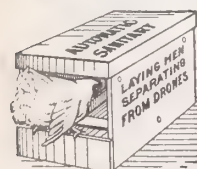
**BROWN POULTRY FENCE**

Costs less than cheap netting, lasts 5 times as long. Top wire 9-12 gauge, bottom wires 1 inch apart—all heavily double galvanized. Rust proof, stock strong, chick tight. Sold direct from factory, freight prepaid anywhere. Mail postal now for free book and sample to test.

Address: **THE BROWN FENCE & WIRE CO.**  
Department 8 - CLEVELAND, OHIO

**FREE BOOK DESTROY VERMIN**

Drop us a post card for our FREE BOOK telling all about our most effective method of killing LICE, ROACHES, BED BUGS, etc. Our method is now in use by over 6,000 hotels and institutions. Write for FREE BOOK. The Insectolene Co., Dept. P, Box 113, Chicago, Ill.



### Automatic Sanitary Trap-Nest

Made of sheet metal, vermin proof, strong and durable. Requires no attention. Operated exclusively by hens, separating layers from drones. Cheapest, best, simplest. Write for free booklet or agency. Mention Am. Poultry Journal.

Automatic Sanitary Trap-Nest Company - Duluth, Minnesota



# Questions and Answers

Conducted by  
Prince T. Woods, M. D.



## Drugs to Force Growth.

Q. I have had half a dozen years' experience in rearing chickens with hens and about two years with commercial incubators and brooders. I am having fairly good success. I have a splendid market for 2-pound broilers, being located in a good residential district. Later I expect to get a small farm and devote all of my spare time to it. Do you think it possible to hurry the growth of the young chicks by drugs, since no thought need be given to spoiling the reproductive organs, as all chicks would be marketed as soon as they weighed two pounds? Is it possible that by feeding a solution of lecithin the growth could be hurried—or by feeding any other dope?

Any suggestion for experimental work in this respect will be welcome. So long as the flesh is not harmed or its flavor destroyed, it seems to me that something might be done along this line.

Pittsburgh, Pa.

J. A. C.

A. We would not try to feed dope of any kind to chicks in an attempt to force growth. The results are not likely

to pay you, and you may pay dearly for your experience. By good management and good feeding you can push chicks to two pounds' weight in eight to ten weeks, and you can grow them to eight to ten pounds each in twenty-two to twenty-four weeks. You can't ask for anything better than that. You will find advice on feeding in book "How to Raise Chicks," to be obtained of our Chicago office at 75 cents per copy. Wholesome grain, green food and good beef scrap will make the best flavored chicken meat and when properly fed will do it in the shortest possible time.

## Red Feathers in Black Minorcas.

Q. Will you kindly favor me with an explanation of the presence of red feathers (fairly profusely) in both the neck and saddle plumage of a pure-bred Black Minorca male. This variety has been my favorite fancy, and I have been breeding these birds for some nine years. Until last season I never produced such a specimen, and while I am aware that the red feathers are regarded by some experts as an indica-

tion of stamina (fully borne out in the case under consideration), and that such cockerels are said to be the best pullet breeders, there is a good deal of doubt expressed in these parts regarding such solution and the purity of my birds is impugned, notwithstanding that I am able to say, without fear of contradiction, that no foreign blood has ever been introduced into my yards that would account for it, for the reason that my birds are always in close confinement, and moreover no other breed is kept.

By way of experiment I have obtained a brood of chicks this season from one of the hens mated to the male referred to as having red feathers in hackle and saddle. In almost every case the feathers of the progeny are brown laced and on some it is quite pronounced. These chicks are only five weeks old. Will the feathers moult out black in both pullets and cockerels, and would these birds be safe to breed from?

Sea View, Natal.

W. B. H.

A. Here is an interesting case, and

## Just As Usual

Our customers who purchased early exhibition birds this fall are reporting they won first prizes. All we can say is

## We Told You So

Now, if you are in need of a show string or a bird to fill out your string we can supply you at prices very reasonable when you consider quality.

## The World's Best Strain of White Wyandottes

are acknowledged to be superior to all others, their winning record has no equal and no breeder has given as much attention to the utility requirements (meat and eggs) as we have. While we breed for exhibition purpose we never neglect or overlook the laying qualities of our breeders.

Never before have we had such a grand lot of youngsters, some now in the pink of show condition. We are confident they can win in any competition.

Let us send you a copy of our catalog, the most instructive book ever issued on poultry; it will give you more valuable information than you can get elsewhere, based on twenty years' experience. It is mailed for twenty-five cents in stamps or coin. Send for one today.



## J. C. FISHEL & SON

Box J, Hope, Indiana



we would like to hear from experienced Black Minorca breeders on the subject. Our own personal experience with Black Minorcas is limited, and we would like to hear from those who are qualified to speak with authority on this matter. From our own experience and observation of black fowls, we know that a few red feathers in a black bird are not necessarily a serious matter or any indication of impurity of blood. In plumage of birds and fowls the black is closely related to red coloring, in fact it is quite well known that it takes some black to carry and beget good red color. A few red feathers occurring in some specimens of a normally all-black breed may only be evidence of atavism. The probability is that it would occur most frequently where different strains of the same variety are crossed, or

where a closely line-bred strain received an infusion of more distantly related blood. In fact, any "shock" in the mating, which resulted in the production of certain very sturdy and vigorous specimens in the progeny, might easily carry along with it certain off-colored feathers, inherited from some quite remote ancestor.

The only way to tell how the chicks, with the brown lacing, will moult out is to wait and see. We should keep the pullets of this lot of chicks and breed them to a good solid black cock and watch developments. The sire of these chicks might well be mated to another good black hen and results observed. If, as reported, he possesses remarkable stamina it might be well worth while to make use of his procreateness. With a little time and patience it

ought to be easy enough to breed out the off-colored feathers. Health, vigor and stamina are qualities well worth preserving. We will be pleased to have further reports from this flock.

#### House Alterations.

Q. I have a closed poultry house which I intend to convert into an open-front house. It is now covered with hard finish roofing on sides and Amatite on roof, and it sweats and frost collects on cold nights. This makes it damp in winter and I want to get rid of the sweating. I would like to clapboard or shingle the sides, and want to know if it will be all right to do so over the paper that is now on. G. E. L.

Bennington, Vt.

A. Converting the house into an open-front building with a sufficiently

# FRENCH'S POULTRY MUSTARD

Absolutely Pure

The Original Poultry Mustard

Pat. Applied For

## For the Laying and Show Season

value. It insures an increased egg yield. It helps the moult—makes it quicker and more natural and the hens get to laying right quick. It is beneficial and insures the richest plumage, and keeps the birds toned up at all times to show at their true worth. It is used by the leading breeders and highly endorsed by thousands.

Condition your stock by using "French's Poultry Mustard."

There is nothing to equal it in

### Old and Young Thrive On It

Experiments here and in England have proven its value. It is used and recommended by thousands of poultrymen. It is not the amount of food a hen eats, but the nutriment she extracts from food by the digestive process that supplies all nature's demands and produces eggs. It is sold the world over—here is a partial list of the principal dealers handling it. If your dealer does not have it send us his name.

ALABAMA	Birmingham	Gammill Seed & Dairy Supply Co.	NEW YORK	Elmira	Charles E. Hart, 111 Durland Ave.
BRITISH COLUMBIA	New Westminster	McVay Seed Company		Gloversville	E. L. Durkee & Co., 13 No. Main St.
CALIFORNIA	Petaluma	Brackman-Ker Milling Co.		Newark	C. A. Welcher, Stump & Walter, 50 Barclay St.
CONNECTICUT	Los Angeles	Coulson Poultry & Stock Food Co.		New York City	Robert Essex Incubator Co., 67 Barclay St.
FLORIDA	Southport	Germain Seed & Plant Co.		Saratoga Springs	Daniel Eddy & Sons, Inc.
GEORGIA	Jacksonville	Pequot Poultry Farm Co.		Durham	Peabody Drug Co.
	Atlanta	Walton Seed Co.	NORTH CAROLINA	Raleigh	Job P. Wyatt & Sons Co.
	Brunswick	W. G. Hastings & Co.		Yarmouth	S. P. Goudey.
ILLINOIS	Savannah	McMillan Seed Co.	NOVA SCOTIA	Canton	Canton Grocery Co.
	Chicago	J. M. Burnett	OHIO	Cincinnati	J. M. McCullough's Sons Co.
		W. D. Simkins & Co.		Woodsfield	The Cash Store, F. E. Dorr, Prop.
		W. W. Barnard & Co., 231 West Madison St.	PENNSYLVANIA	Harrisburg	Theodore Neuffer, 1214 Derry St.
INDIANA	Quincy	The Vaughan Seed Store, 31 West Randolph St.		Hellertown	Robert E. Yons,
	Indianapolis	Eber Seed Co.		Lancaster	Sprecher & Ganss
	South Bend	Petaluma Incubator Co., 147 North Delaware St.		Norristown	Simpson Bros.
KANSAS	Wichita	The Wesley Miller Flour & Feed Co.		Philadelphia	Cugley & Mullen, 1229 Market St.
LOUISIANA	New Orleans	Ross Bros. Seed House		Pittsburgh	C. J. Cleland, 6465 Frankstown Ave.
MARYLAND	Baltimore	Bruce Poultry & Seed Co., 320 Carondelet St.			I. W. Scott Co., 514 Liberty Ave.
MASSACHUSETTS	Danvers	Griffith & Turner Co.		Tunkhannock	J. Walker & Son, 1625 Beaver Ave.
	Fall River	Meyer-Stisser Co., 32 Light St.		Providence	Jennings & Stark.
	Salem	Ropes Brothers	RHODE ISLAND	Charleston	Providence Seed Co.
MICHIGAN	Detroit	W. G. Pearce & Co.	SOUTH CAROLINA	Memphis	W. H. Mixon Seed Co.
	Grand Rapids	Ropes Brothers	TENNESSEE	Fort Worth	Otto Schwill & Co.
MINNESOTA	Minneapolis	Tomlinson & Lanphere Co., Jefferson Ave.	TEXAS	Dallas	Drumm Seed & Floral Co.
NEW JERSEY	Elizabeth	Jones Seed Co.		San Antonio	Texas Seed & Floral Co.
	Ridgewood	Northrup King Co.	VIRGINIA	Norfolk	Ferd. Staffel
	Scotch Plains	R. Pinder, Prop. Poul. Supply House, 279 Morris Av.		Richmond	Fanney & Miller, 48 Washington St.
		S. Nagle Jr. Coal & Grain Co.	WASHINGTON	Seattle	T. W. Wood & Sons, 12 South 14th St.
		Sidney R. Clarke, Harmony Park, Route 1.	WISCONSIN	Madison	Seattle Seed Co., L. L. Olds Seed Company

### BEWARE OF IMITATIONS

Insist on Having  
French's Poultry Mustard  
Sold in Sealed Packages Only

### FRENCH'S POULTRY MUSTARD

is sold at 20 cents per pound in six and ten-pound boxes and 25-pound kegs. Sample package, 1½ pounds 35 cents. A trial order will convince you. Write for it today. Poultry pays best and does best when French's Poultry Mustard is regularly used. A teaspoonful to six to twelve fowls fed daily in wet or dry mash. Booklet for the asking.

The R. T. French Company, Dept. A, Rochester, New York



large part of the front kept open at all times (no curtain of any sort used) will undoubtedly stop the "sweating" and dampness. The Amatite roofing is all right. The roofing on sides can be left on if you wish and either shingled or clapboarded over. However, all the fabric needed under the shingles or clapboards is common waterproof building paper at the corners and under joints about windows and doors. Use ¼-inch mesh wire netting to cover the open front. Ordinary galvanized "cellar window screen" is what you want. This will turn snow and storms sufficiently for all practical purposes and allow abundant fresh air day and night.

#### Red Mites.

Q. Not seeing anything about red mites, I write to ask how to exterminate them. Have tried many things, but with no results. They are not only in the houses, but are in the runs, and a paper laid on the ground will be covered in no time. I am not troubled with poultry diseases or lice, but the mites get more and more troublesome until I am discouraged.

L. B. R.

Seattle, Wash.

A. There is no poultry pest that breeds more rapidly or is more troublesome than the red mites. If there are pigeons flying free about your place you will have to be constantly at war with the mites, for the pigeons will bring them to you from infested lofts almost as fast as you clean up the place. Any good liquid lice killer sprayed freely about the poultry house with a good compressed air spray pump will prove an effective mite killer if the work is thoroughly done and the woodwork, roosts and all cracks are well sprayed. It is well to follow this in a few days by spraying with freshly-made whitewash. Whitewash sprayed or sprinkled well about the runs will get rid of the pests there. You may have to dip your fowls in a weak solution of cresol disinfectant, about one tablespoonful of cresol in a gallon of soft water makes

an effective dip. A good mite killer spray can be made by dissolving about one pound of crude naphthalene flakes in a gallon of kerosene.

It will not do much good unless you are thorough and spray house, runs and dip the fowls, for with the mites as abundant as you report them, every crack and cranny is loaded with them and the plumage of the fowls is probably alive with them. These pests are much worse in some sections of the country than in others. In our present location just a brief period of neglect on the part of the caretaker and the pests put in an appearance in hordes so great as to be unbelievable to the uninitiated. Sandy locations and dry seasons appear to favor rapid breeding of this pest.

#### Sex of Geese.

Q. I have three goslings, just feathered out. Two have rather pink bills and legs and one has bright yellow ones. All are feathered just alike. All have brown eyes. One has a coarse voice, another a fine voice and the third is silent, but when it does make a noise it is between the two. Have been told that

ganders always have blue eyes, is this so? How can I tell the sex of these goslings? They are Toulouse.

Samson, Mo.

E. K.

A. Bills should be a pale orange color. Shanks and feet should be deep reddish-orange. It is too early to consider the color. Wait until they mature. Eyes should be brown or hazel.

You can't tell the sex of geese by the voice. Color of eyes has nothing to do

## Knowledge is Money

OCULUM is selling in every continent and state. It cures the worst poultry diseases almost instantly. One Bottle produces more eggs than anything known. Sold by dealers or direct at \$1.00 or 50 cents. Money back, if unsatisfactory. \$1 bottle will last 50 chickens 1 year. Postal brings knowledge.

OCULUM, Box B, Salem, Va. Agents wanted.

### DIRK'S RED MITE KILLER



One application kills all mites and prevents their reappearance during the season. Keeps fowls free from body lice. Makes scaly legs bright and clean. Keeps lard, pastry and sweets free from ants. Write today for special trial price.

M. E. DIRK, Box 102, North Baltimore, Ohio  
Marshall & Marshall, Niagara Falls, Ont., Distributors for Canada.

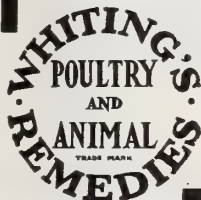
# Whiting's ROUPENE

#### Actually Does Cure Roup

Even the worst cases, even Diphtheritic Roup and Canker. We don't care how bad the case is so long as the bird is not in the last gasps of death.

**ROUPENE will cure** and leave no weakening or bad after effects in the bird or its progeny. Just try it once. Pick out a bad case, one on which you have tried other so-called remedies, and we guarantee a cure or refund money.

Whiting's **ROUPENE** is a genuine disease germ destroyer. It takes right hold and cures without fuss or delay.



#### ROUPENE Prevents Contagion. You Do Not Have to Quarantine the Diseased Birds

**ROUPENE** not only cures Roup, Canker and Diphtheritic Roup, but it also cures Sorehead, Limberneck, Colds and Pip—all diseases of the breathing organs. 50 cents and \$1.00 per bottle.

All dealers, or mailed by us on receipt of price. Send for free printed matter.

O. K. Company, Dept. 29, 157 Water Street, New York City, New York

## RANCOCAS

# S. C. W. Leghorns and White Ply. Rocks

LIKE A HURRICANE SWEEP ALL BEFORE THEM  
AT THE NEW YORK STATE FAIR, 1913

### Rancocas S. C. White Leghorns

In the largest and best class of Leghorns with 286 birds competing our exhibit made the best record ever made at this great and popular exhibition. They win pen old, first; pen young, first; cock, fourth; hens, first, second, third, fifth; cockerels, first, second, third, fourth, fifth; pullets, first, second, third, fourth, fifth; first display; first collection; shape and color specials and the "Manning championship silver cup" for "best ten birds at the show" with a total of 5,644 birds competing.

### No Record of Any Line Equals this Astounding Victory

### Rancocas White Ply. Rocks

In a class of 106 birds exhibited by the leading breeders of the East and West, we won a pronounced victory. Old pen, second; young pen, second; cocks, third and fifth; hens, first and fifth; cockerels, first, second, fourth; pullets, second, third, fourth; best display and specials. This class was pronounced by prominent breeders the best ever seen at this season of the year with rare quality and condition features.

### The Rancocas Strain

Combines the choicest quality practical value. It is the "strain" to bank on for success. With our large stock we are prepared to supply the grandest exhibition birds and the choicest quality breeders with absolute satisfaction assured. Write us your wants and let us quote prices.

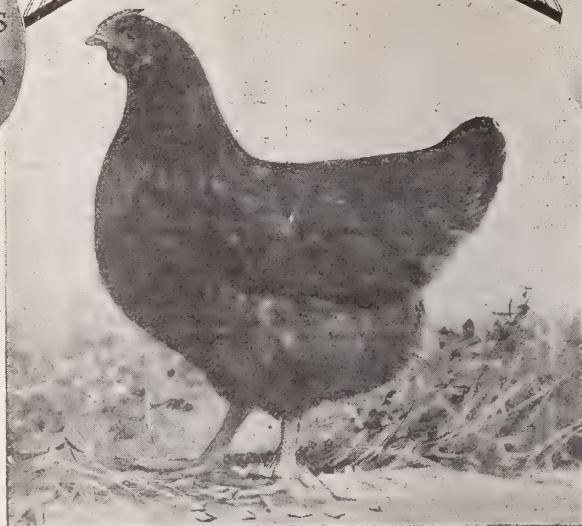
### Special Prices

Now for carefully mated trios and pens and yearling breeders. Circulars and further information on request. Remember "Rancocas stands for quality."

Rancocas Poultry Farm, Box A, Brown's Mills, New Jersey



THE  
WORLD'S  
BEST  
LAYERS



R. C. R. I. Red "Lady Hattie"—255 Eggs

TRAP-  
NESTED  
200 EGG  
STRAIN

### THE WORLD'S BEST LAYERS

BARRED ROCK    BUFF ORPINGTON    S. C. R. I. RED



Lady Vera  
235 Eggs



Lady May  
219 Eggs



Lady Agnes  
236 Eggs

## Do You Want Layers?

**I**F you were to depend upon horses for your living and as a means of your daily support, which would you buy—a team of draft horses or race horses? Do you want a team that will make you a living from day to day or are you willing to stake your living against the outcome of a race?

This should be a serious question to you who are about to go into the poultry business and to you who are already in it. What applies to horses applies to chickens. Are you going to buy "race horses" and expect them to "work" or are you going to buy "horses" that have been "bred" to "work"? One cannot take the place of the other, and I say to you—

### Do You Want Layers?

Do you want the kind of poultry that will produce a daily income and a profitable one?

That's the kind I breed. I can supply you with hens, pullets, cocks and cockerels at prices listed in my ad on opposite page.

A discount of 15 percent on three fowls, 20 percent on five, and 25 percent on ten or more will be allowed for October, November and December.

My stock cannot be equalled for egg production. Do not fail to write for revised price list and my instructive catalog. It is free. See other ad on opposite page

John G. Poorman:

**Midlothian Farms and Hatchery**

Box 100 : : : : Tinley Park, Illinois

with sex. Usually the gander is of coarser build and has a more masculine head and a thicker neck. There is only one way to tell the sex in geese. Wait until they are full grown. If the fowl is a gander you can find the male generative organ by holding the bird firmly on its back and rolling the lip of the vent outward. The gander has a well-developed penis. If you can't find one after several thorough attempts, you can safely assume that the fowl is a goose. This is the only dependable way to tell the sex in geese. All other signs are of doubtful value and we have known some of the best water-fowl judges to be fooled on sex of geese.

### Poultry Keeping in the Ozarks.

**Q.** Please give me your opinion in this case. My health is not very good, and I have been thinking of going to the Ozark mountains, taking a homestead and raising poultry. I have raised chickens for fifteen years on a small scale, but the thing that bothers me is the price of eggs and poultry there. Eggs are 10 cents a dozen and hens 7½ cents a pound, fryers are 11 cents a pound and old cocks 15 cents each. Now, what I want to know is this, do you think one could ship his poultry and eggs and do better? Where would be best to ship, say from northern Arkansas?

Mrs. M. F. D.

Farmington, Mo.

**A.** The location you give is too general for us to select a "best" shipping point. The nearest large city will be the best market in all probability. You should get much better prices than you quote if you can furnish good produce. If there is a health resort near your proposed location you should find a market there. The prices you quote are the collector's or "poultry house" prices for ordinary and inferior farm produce. In the Missouri Ozarks the best outlet for good poultry has been St. Louis, and the best quality goods are in demand at fair prices.

### Probably Choked to Death.

**Q.** Last evening while feeding my chickens, one of my pullets suddenly dropped its head with a limber neck, flopped her wings a little and died before I could pick her up. I examined her throat, cut her open, but could not find anything wrong.

S. D.

Ramseur, N. C.

**A.** The pullet probably choked to death from getting food down the windpipe. It is, of course, possible that she may have been ailing some time before you noticed her, and that death was due to intestinal disease, but the sudden symptoms you give suggest choking.

### How Large a Flock?

**Q.** As I am about to start an egg farm with about 2,000 Leghorns, I am writing to ask how many can be housed together most successfully. It is possible to have green food growing here all the year. How many acres of land should be set aside for the above number stated?

R. B. S.

Jacksonville, Fla.

**A.** We would not want to start a poultry farm on less than 20 acres; 10 acres would be sufficient to set aside for poultry use at first. The size of flocks and the amount of land needed depends a good deal on the location and on the management.

Four hundred layers can be successfully housed and yarded on one acre, if



necessary. We recently visited a plant where the flocks are from 1,000 to 2,000 Leghorns in a house and 4,000 birds occupy (with houses) 10 acres, the range being undivided. We consider them a bit crowded. Houses were divided into roosting sections to accommodate about 150 birds each.

We prefer 100 to 150 breeders in one flock in an open-front house 20x20 feet. Layers might be well housed in flocks of 500 each and do well. A Woods' open-front house 50x50 feet is being tried out in a mid-western state for a flock of 500 layers; so far results have been good.

#### Stunted Chickens.

Q. (1) What shall I use to feed a chick to make it grow? This chick is 2½ months old and is just as large as it was the day I got it. I feed chick food, mash and grit, and it has a nice sandy run.

A. (1) You do not say how long you have had this chick or how old it was when you got it, but we assume that it is badly stunted. In such case you can't get it to grow much. Feed it plenty of green food, keep beef scraps where it can have free access to them and feed an abundance of wholesome grains.

Q. (2) Are Houdans good layers? Are they a fancy chicken?

New Rochelle, N. Y. G. W. W.

A. (2) Houdans are considered good layers. They are a Standard variety of fowl, and may be considered "fancy" when bred for that purpose. You will find illustrated description in the American Standard of Perfection.

#### Laid One Egg and Then Stopped.

Q. On July 26 I bought twelve White Leghorn pullets five months old. On August 2 one laid an egg. Since that time to August 12 no other egg appeared. Is this an unusual case for a pullet to go so long before laying a second egg?

J. C.

Carson City, Nev.

A. So long an interval is not common. She may have laid and the egg may have been removed or eaten, or lost. Pullets are often careless about laying at first and will drop their eggs anywhere the notion takes them. The amount and kind of food also makes a great difference in regularity of laying. Feed an abundance of greens, meat food and keep a mixture of wholesome grains before them.

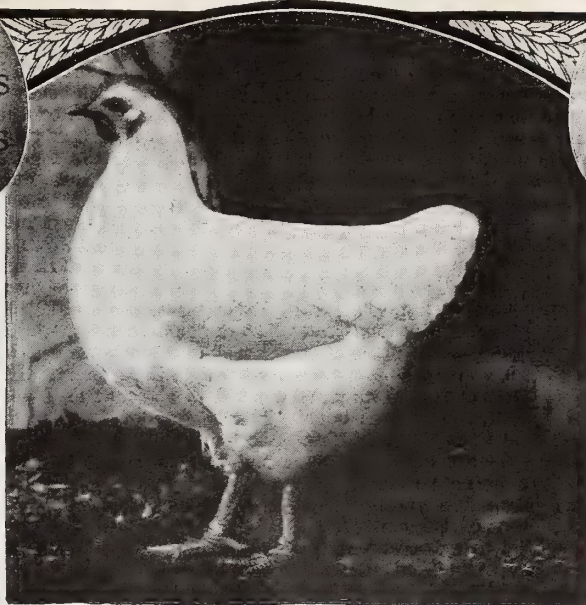
#### Roup.

Q. I have a fine lot of White Orpingtons and they are dying. Please tell me what is the matter. The first I notice their feathers don't look right. They get mopy and walk slow, as if sore all over. I pick them up and they will sit quiet on my lap. Their appetites have failed and they don't care for food or drink. In a few days they die. Some live for eight or ten days and get so weak they just fall over and can't get up. They have a very offensive discharge from the nose. No swelling. Eyes clear and bright up to the time they die. The discharge from the nose is the only thing. They have pure drinking water, clean houses and good food. Have tried a roup cure, but I can't see that it has done any good.

Laurelville, Ohio. L. F.

A. Disease is roup. House them in open-front house. Feed an abundance of wholesome food, greens, grains and meat scraps. Dip heads in a cresol dis-

THE  
WORLD'S  
BEST  
LAYERS



White Rock "Lady Show You"—281 Eggs

TRAP-  
NESTED  
200 EGG  
STRAIN

#### THE WORLD'S BEST LAYERS

S. C. W. LEGHORN WHITE ORPINGTON W. WYANDOTTE



Lady Beatrice  
240 Eggs



Lady Grace  
232 Eggs



Lady Rose  
232 Eggs

## Fall Sale of Stock

Hens - \$4.00, \$7.00, \$12.00

Pullets - - \$ 4.00 and \$ 5.00

Cocks - - 10.00 and 15.00

Cockerels - 6.00 and 10.00

Trios - - 11.90 to 33.15

Pens - - 17.60 to 50.40

My Complete Price List including cockerels and pullets from champion layers will be mailed upon request. Instructive catalog is free. Write for it.

See other ad on opposite page

John G. Poorman:

Midlothian Farms and Hatchery

Box 100 : : : Tinley Park, Illinois



infectant solution, holding their mouths open when dipping. Prepare solution by mixing one tablespoonful of creolin with a gallon of soft water in a galvanized iron bucket. (Creolin, carbonol, kreso, sulpho-naphthol, model disinfectant, napereol, zenoleum, pyro-carbol or other similar cresol disinfectant may be used for this purpose). Mix solution fresh as needed. Dip two or three times a week if necessary until cured.

#### Buff Cochins Bantam-Pheasant Crosses.

In the January, 1912, issue of The American Poultry Journal appeared an article, or rather some questions and answers, in regard to crossing pheasants with domestic fowls.

I was much interested in the matter, and saved that number, as I have been trying for some time to cross the China pheasants and Buff Cochins bantams, but did not succeed in doing so until this year, and I now have five young birds from this cross. Three of them are from pheasant hens mated to a bantam cockerel, and the other two from bantam pullets and a pheasant male. All of the birds from which I hatched these five were last year's birds, and were never mated to any other birds, and even if I were not absolutely positive as to the mating and eggs, which I am, the young birds themselves show positive proof as to their parentage. All five of them, while differing somewhat, show marked characteristics of both parents.

The first two, hatched on June 2 from

pheasant eggs, and the next two, hatched June 18 from bantam eggs, are very much alike. In shape they are more like the pheasants, having the large, dark eyes, sharp bill and long legs, while as to color, while they have much of the dark markings of the young pheasants, the breast, fluff and under color is clear buff and the legs are stocky and feathered to the toes, but not so heavily as bantams. The fifth one, hatched July 19, is really the most interesting of the lot, being hatched from a pheasant egg, and except for a dark spot on the head and brown wing feathers, is a perfect little bantam in both shape and color. They seem to be much hardier than the little pheasants, and I hope to be able to raise all of them. If you are interested in the matter I will be pleased to advise you of further developments as to how they come out and whether or not they prove to be sterile, etc.

H. A. H.

Florence, Colo.

A. We would like very much to have a further report concerning these pheasant-bantam chicks. If they are true hybrids they should be sterile. If they prove fecund and can reproduce it will be very interesting to note the development of the progeny, and it should establish in part the relationship between pheasants and bantam fowl.

#### Foot Disease.

Q. I am raising White Leghorns and about three weeks ago one of my hens had a very badly swollen foot. Upon

an inspection I found a place in the bottom which looked like the core of a boil, only it was hard and dry. I dug this place out and found that the whole foot was festering inside. I washed it out with peroxide and painted her foot with iodine, but it did not seem to do very much good. The swelling still is present and I have opened the foot several times. It does not seem to be very sore. I have been informed by several that the trouble is what is commonly called bumble foot. However, I am of the impression that it is something else that is contagious, as nearly all the old hens in my flock now have the same disease. Only one of my young pullets has the trouble as yet.

All of those affected have this small round scab on the ball of the foot, which is merely the end of a hard, dry core going up into the foot, the inside of the foot being festered.

C. A. K.

Meridian, Miss.

A. Foot disease of this sort is slow to yield to treatment, and any surgical treatment must be very thorough; you must remove all the growth, or it will recur. Prevention is only satisfactory remedy. See that house floors are free from coarse gravel, stones or that they are well sanded where fowls jump from perches. Don't have roosts too high. Do not use very narrow perches. Use 2x4s for roosts, 2-inch edge up. Cull out affected birds. This trouble, usually described as "corns" and as "bumble foot," may occur as a result of tubercular or similar infection.

Everybody makes a home run who reads free offer on back inside cover



Unretouched Photograph

## Halbach's White Plymouth Rocks The Proven Strain

Grand lot of large cockerels and pullets for any show. More and better good ones than ever. Also show hens and cock birds that will win for you.

Remember my strain holds the world's record of winning best display at Chicago four times. In the last four shows they won more than sixty-eight other breeders. At Chicago I won more than twenty-three others put together. Can more be said????

Compare this record with that of any breeder in the world. Also bear in mind that they are layers of great worth. Send ten cents for catalogue. If you want the goods at big value for your money, write to

H. W. Halbach, Route 1, Waterford, Wisconsin

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Make a world's record at America's Imperial Show at Madison Square Garden, New York, 1912-13

### Won All FIVE FIRSTS, 22 Ribbons, 30 Birds Entered

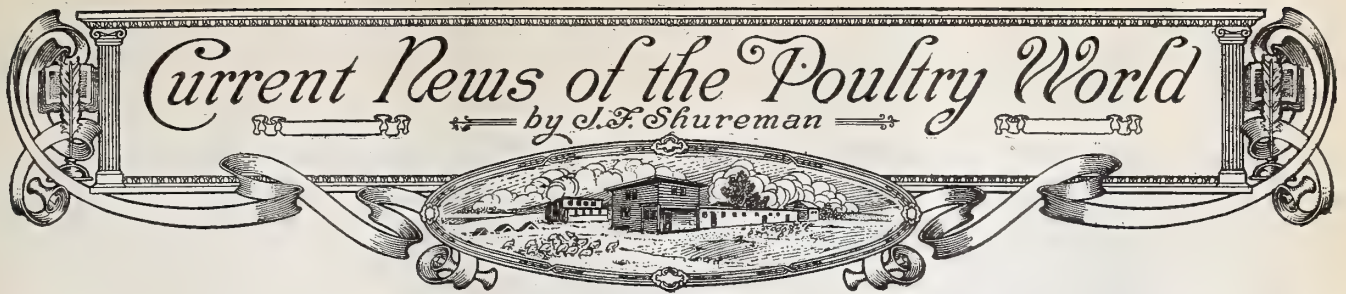
Show birds, cockerels and pullets ready to win at fairs, Fall and Winter shows, bred exclusively from our New York champions, also yearling cocks and hens shipped on approval, satisfaction guaranteed, at prices from \$10 to \$50. Write for catalogue. Mention American Poultry Journal.

Foxhurst Farm, Lime Rock, Connecticut



FIRST PRIZE HEN MADISON SQUARE GARDEN NEW YORK 1912-1913  
BRED & OWNED BY FOXHURST FARM, LIME ROCK, CONN.





An institution to be known as the National Farm School and Vocational Training Institute has been incorporated under the laws of Missouri and will be located near Jonesburg, in that state. It is the aim of the institute to give boys and girls an opportunity for education under most favorable conditions. Poultry culture will be one of the branches taught. Thomas W. Garland, of St. Louis, has placed the facilities of his 1,700-acre farm near Jonesburg at the disposal of the new school, including the annual course of lectures on practical poultry-raising given each year at the Garland Farm by poultry experts.

Hereafter "professional" breeders of poultry will be debarred from exhibiting at the Northern Wisconsin State Fair. The new rule has been adopted to shut out the car-load exhibitors who are in the habit of making the circuit of the fairs.

Dr. Pruce, the minister of agriculture to the government of the Argentine Republic, who has been in this country for some time, sailed a couple of weeks

ago with the largest variety of poultry that has ever left this country in one shipment. The vessel was especially chartered by the Argentine Republic to bring everything necessary for the establishment of an up-to-date poultry experimental station at Buenos Aires.

The value of the poultry industry to New Zealand is estimated at £2,000,000, or about \$10,000,000 per annum.

Upward of 44,000 pounds of dressed poultry, acknowledged to have been in cold storage for six or seven years, was recently condemned and confiscated by the Board of Health of Philadelphia, Pa. The poultry was declared unfit for food and was sent to the fertilizing plants.

Much interest in poultry culture has been awakened in Southeast Texas through the work of the poultry department of the Santa Fe experimental station near Lumberton. The department is in charge of a capable and experienced poultryman, who is seeking to overcome difficulties in poultry raising in that section of the state and

thus point the way to greater profits.

J. C. Bergen, of Livermore, Iowa, has purchased a large tract of land near Helena, Mont., and will engage extensively in the poultry business. He is a practical poultryman and believes the Northwest is a good field for a large poultry farm.

J. Krull, of Fort Worth, Texas, has some chickens that have black flesh all the way through. He killed one recently and made the discovery, even the bird's breast being black. Two others were killed and their flesh was also black. They apparently are healthy and do not seem to be diseased in any way. Who can explain it?

A Cochin Bantam hen owned by Miss Emma Chandler, of Coatesville, Pa., has for some time been laying eggs with a perfect initial "C" upon them. The hen is a Madison Square Garden winner and will be shown in New York again the coming winter.

A meeting of the recently organized Southern Poultry and Egg Shippers'

# Greater New York Fair

Swept Clean by the Birds of

## MAURICE F. DELANO

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## OWEN FARMS

### 20 Out of a Possible 22 FIRST PRIZES

All CHAMPIONSHIPS, CUPS and COLLECTION SPECIALS offered were awarded my

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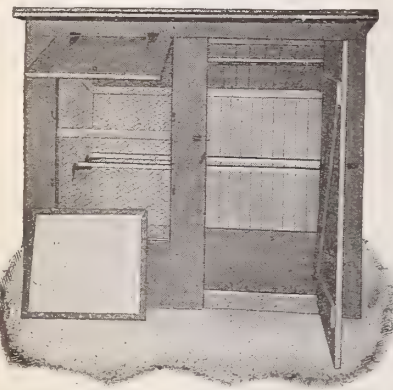
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# The Poultry House For You



This Essex-Model Year-'Round Poultry House is just the thing for a choice pen of breeders or layers. If you are just starting and have only a suburban lot, one or more of them will be more satisfactory, and cheaper, too, than a carpenter-built one.

**From Canada—North,  
to Argentine—South**

It meets all conditions of all seasons—**Spring, Summer, Fall**

and **Winter**—Everywhere and is recognized as the best

## Year-'Round Colony Poultry House

This is the House recently ordered by Argentine Republic to equip the whole of their Government Poultry Farm. **THE PRICE, THE SIZE, THE DESIGN** are **PRACTICAL FEATURES** that caused that Government to order 100 Essex-Model Houses

**In Competition with the Whole World**

Size 5x6 feet; 6 feet high in front; 4½ feet at back; equipped with roosts and roost supports, floor and runners.

**Prices \$17.00 to \$21.00. With or without floor and nests.**

## Essex-Model Incubators and Brooders

**America's Largest Line—\$2.25 to \$48.00**

Essex-Model Incubators are the only true Moisture-Conserving, Self-Ventilating machines made. The Essex-Model (Patented) Thermostat used gives a positive and accurate regulation of the heat.

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Made in all sizes 1100 eggs and upwards

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Prepare for Cold Weather by buying now your Food Hoppers, Shell and Grit Boxes, Fountains and Feeders.

Get **Essex-Model Remedies**—Roup Cure, Disinfectant, Lice Spray, etc. Essex-Model Remedy Case of 10 Remedies (Price \$2.00 Postpaid) will enable you to prevent and cure **Winter Diseases**.

**QUIC-MOLT** makes Hens moult quickly and young stock feather fast. Used in the mash—5 lb. package—enough for 50 hens for one month—**\$1.30 Postpaid.**

Our large free book entitled

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contains full information with illustrations of our Poultry House, Incubators, Brooders and Supplies; also tells you about Causes and Cure of Diseases of Poultry. This book is Free. Send for it today.

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ROBERT ESSEX

Association will be held in Nashville, Tenn., in October. The purpose of the association is to improve the quality of poultry and eggs in the South and to increase production. Efforts are also to be made to induce the United States Department of Agriculture to reestablish the laboratory for research into the poultry and egg industry in Nashville. This laboratory was removed to Missouri several months ago. Its removal is regarded as a great loss to the poultry interests of Tennessee and near-by states.

A modern poultry plant has been established at the federal prison at Atlanta, Ga. It is conducted by the prisoners and is for their exclusive benefit. It is fully equipped with modern conveniences and devices and is proving a success. All the breeding birds are from fancy stock, most of them having been donated by poultrymen, the state furnishing the equipment.

W. H. Rhodes, of Macoupin, Ill., who has had long experience in both general farming and poultry farming, says there is more money in the poultry and the work is much easier. He will give up general farming and give his entire time to his poultry.

O. D. Foulks, of Selbyville, Del., caught a young bald eagle in his poultry yard one day recently. The eagle had just caught a chicken when Mr. Foulks grabbed it and after a fierce struggle got it into a cage.

Reports from the American Association of Warehousemen indicate that there is a shortage of some 400,000 cases of eggs as compared with conditions of a year ago. This means that winter eggs will command a good price.

Over in England they are conducting some ingenious experiments as to the effect of electricity upon the growth and development of young poultry. In South England, on the largest poultry farm in the world, an experiment of this nature has just been completed, and it is claimed that the birds treated electrically developed twice as fast as those not so treated. Further experiments and investigation will be made.

A new Wisconsin law provides that each incorporated poultry association in the state that has held at least one annual exhibition will receive annually from the state a sum equal to 80 per cent of the amount of cash prizes offered at its annual exhibition each year, not to exceed \$200. A statement must be filed with the Secretary of State on or before the first day of April of each year.

Charles M. Schwab, the millionaire steel maker, is having a \$15,000 chicken house erected at his country estate at Loretto, near Altoona, Pa., and will engage in the poultry business on a large scale the coming fall. The building will be of brick and concrete, heated by steam, lighted with electricity and equipped with electric incubators. Stock for the plant is being purchased by a commissioner for Mr. Schwab, and his instructions are to "get hens that will lay."

Patrolman John Thelan, of St. Paul, Minn., has hatched a chick with four perfectly formed legs.



# Associations and Shows

Secretaries are Requested to Send in News Items of Interest About Their Shows for This Department

## White Rocks.

A meeting of White Rock breeders was held at the Syracuse State Fair. Every breeder present believed that something should be done to bring the White Rock Club into effectiveness. It was voted to hold a reorganization meeting at the Palace Show, New York City, December 3, at 4 p. m.

It is the desire to have all breeders present and to hold a big exhibit of White Rocks at this show.

The Club will offer 4 silver cups and the Palace will put up some cash. This is a get-together meeting to help White Rocks. Will you do your part? Attend the meeting and show at least one bird. Write C. W. Whitney for further particulars.

## Blue Andalusians.

E. D. Bird, of Greenwich, Conn., desires to call attention to Blue Andalusian breeders to the need of a good strong club to push this breed to greater popularity. Mr. Bird has called a meeting to be held at the Palace Show, Dec. 4, at 11 a. m., to make plans. He desires that all breeders attend and to assist in the work; requests that they also be represented in the classes at the show. He has collected some cash for specials, and is now trying to get a specialty judge to take the class. Write E. D. Bird, Greenwich, Conn.

## Third Annual Championship Show.

The Third Annual Exposition Show will be held the week of January 19th to 24th, 1914. This is really a championship show because it is the last of the big shows. This year the management, besides their already most liberal cash prizes, will give a handsome cash prize for best display and handsome cups for championship male and championship female, in most of the classes.

With the largest floor space of any exposition building in the United States, with perfect heat and light, the prospects for the Third Annual Exposition Show are that it will be one of the really great shows in the United States this year. They have already procured the annual meetings of the following specialty clubs: Black Minorca Club, National Single Comb Black Orpington Club, National Single Comb Buff Orpington Club, Anacona Club.

They anticipate several other annual meetings which have not yet been decided by the members.

The following judges have been engaged: W. S. Russell, W. C. Pierce, A. Fred Kummer, D. W. Young, Fred H. Cook, A. H. Emch, C. D. Cleveland, L. Rawnsley, G. W. Webb, Theo. Hewes, Marcus Allen Northup, A. J. Edwards, M. F. Baldwin.

If you show at all you cannot afford to miss this GREAT SHOW—THE BEST BIRD WILL WIN.

Permanent headquarters, 303 Empire Bldg., Pittsburgh, Pa.

## The Ridgway, Pa., Show.

The Elk County Poultry and Pet-Stock Association will hold their annual exhibition at Ridgway, Pa., November 18th to 21st, 1913. This is the first great early show in western Pennsylvania and from the record made in the past we look to this exhibition as a leader in both size and quality. Their last show was one of unquestioned quality in every class and located as they are in the midst of a wonderful section where Standard bred poultry of all varieties are bred by men of national reputation as breeders, is conclusive that it takes the best to win at Ridgway and that their honors are awards of merit.

We were really surprised to see at their last show such magnificent classes of

Rocks, Leghorns, Houdans, Orpingtons, Wyandottes, etc. In the Houdans alone there were over 100 birds shown, and birds that later won at New York, Philadelphia, Pittsburgh, and other shows of similar class. This is an early show and just the place to exhibit and to try out your birds for the later shows to come.

They have an elegant show hall with the best of light and cooping, and dyed-in-the-wool fanciers to take care of the birds. The officers and members of this association we have congratulated before, for we have never seen a cleaner show or one at which the birds had better care than at the late Ridgway exhibition.

This year as a feature they are planning to have Mr. Theo. Wittman with them for two days of the show to give free lectures on the breeding and care of poultry, so let me urge all that can to attend this show and to exhibit there and

help to pack the house for Wittman, who surely will tell you things you ought to know.—H. P. Schwab.

## Wilkes Barre, Pa., Show.

The Third Annual Show, which will be from January 19th to 24th, 1914, promises to be the best ever held in this vicinity. Hampton Hall, an up-to-date building, splendidly equipped for the comfort of both visitors and birds, has been rented. Spratt's will coop and feed the show, and first class judges will be engaged. The officers and members of the Wilkes Barre Poultry Association are determined to put this show in the front rank, and poultry fanciers who know the Wilkes Barre breeders are well aware of what they can do. Make a note to include this city in your exhibiting list and send in your name to E. B. Harris, secretary, who will

Will YOUR Roof stand this test?

If burning embers fell on your roof from an adjoining fire, would you be alarmed for the safety of your building?

Statistics show that thousands of buildings are needlessly burned every year—because they are roofed with inflammable materials, easily ignited by sparks and brands. Safeguard your buildings against this dreaded fire-hazard by covering them with

## J-M Asbestos Roofing

This is the only ready roofing that affords perfect fire protection. It has withstood the flame of a powerful blow-torch for almost an hour without a sign of burning. The wonderful fire-resisting quality of J-M Asbestos Roofing is due to its all mineral construction—layers of Asbestos felt (fire-proof rock), cemented together with Trinidad Lake Asphalt, Nature's time-defying waterproofing.

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Adapted to any type of building—in any climate. Easily applied. J-M Roofing Cleats, packed in each roll, make absolutely watertight seams and give the entire roof a handsome white appearance.

Order from our nearest branch if your hardware or lumber dealer can't supply you. Write our nearest Branch today for a sample of the curious Asbestos Rock that forms the base of this roofing and Book No. 2826

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be pleased to mail you catalogue when ready, and also give any information desired.

### Louisiana State Fair Exhibit Contest Open to the World—Many Premiums.

With accommodations for 2,500 birds and numerous other inducements, including \$1,000 offered in cash premiums for the winning exhibits, this year's poultry display at the Louisiana State Fair promises to eclipse all previous records in this division. The contests are open to the world and hundreds of full-blooded fowls from out of the state are expected, as well as many from inside Louisiana, where in recent years great interest has

been stirred up as a result of the State Fair exhibitions.

In addition to a large quantity of equipment placed in the poultry building last year, the management this year has bought 500 new Empire coops, so as to be in position to fully accommodate every exhibit. The building is large and spacious, with an abundance of ventilation and light. Electricity is used for the illumination in the evenings and on cloudy days. The windows are screened and various other improvements have been made with a view of giving comfort and convenience.

Besides the regular State Fair premiums and ribbons, there will be a number of trophies awarded by the American Poultry Association. The fair at Shreveport has been designated the official A. P. A.

show this year, which accounts for these "specials."

The judging will be done by O. L. McCord, of Danville, Ill. Sam M. Watson will again be superintendent of the poultry division. He has held the position ever since the fair began.

Don't forget the dates of the 1913 fair—Nov. 5-12, inclusive, giving eight days. Don't hesitate to write to Secretary L. N. Brueggerhoff for free catalogue and premium list.

### Judges, Palace Show, 1913.

Reese V. Hicks, Topeka, Kan. R. I. Reds and Whites, W. B. Atherton, Randolph, Mass., White Wyandottes, Polish, Hamburgs, George W. Weed, East Lee, Mass., White Rocks, Anconas, Campines, Buttercups, W. H. Card, Manchester, Conn., Brown Leghorns, Black Leghorns, Black Orpingtons, C. H. Welles, Stratford, Conn., Lakenwelders, Dorkings, Barred Rocks, Cuckoo Wyandottes, H. P. Schwab, Irondequoit, N. Y., Partridge Rocks, Partridge Wyandottes, Golden Wyandottes, Harry Wolseffer, Vineland, N. J., Silver Penciled Rocks, Buff Orpingtons, Buff Wyandottes, A. O. Schilling, Rochester, N. Y., Buff Rocks, Cochins, Brahmas, Bantams, F. C. Sites, North Dover, O., Black Wyandottes, Langshans, D. Lincoln Orr, Orr's Mills, N. Y., Columbian Wyandottes, D. M. Green, Waterville, N. Y., Columbian Rocks, Paul W. Doll, White Plains, N. Y., Silver and S. P. Wyandottes, Rowland Story, Brooklyn, N. Y., Minorcas, J. C. Punderford, Freneau, N. J., White Leghorns, H. J. Fisk, Falconer, N. Y., Buff Leghorns, James Glasgow, Mahwah, N. J., Game Bantams, Geo. L. Young, Brooklyn, N. Y., Clean Leg Bantams, Nathan Shaw, Jersey City, N. J., Pigeons, Alexander Hay, Jersey City, N. J., Pigeons, Jim Wood, Philadelphia, Pa., Pigeons, Frank Gorse, Needham Hgts., Mass., Pigeons, Geo. Feather, Dorchester Centre, Mass., Pigeons. Other judges will be added later.

### National Fanciers' Club Show.

The National Fanciers' Club Show will hold its third annual show at Indianapolis in Tomlinson Hall, January 10 to 16, 1914. Entries will close December 30, 1913. Premium lists will be ready early in December, and Henry C. Dippel, secretary, will enter all the names sent him for a copy of the list. A complete list of the judges is not yet selected, but among those already chosen are O. L. McCord, Chas. V. Keeler, F. E. Harrison, and Louis Demberger. For any additional information address Henry C. Dippel, Indianapolis, Ind.

### Norfolk, Va., Show.

Officers of the Tidewater Poultry Association report a large spread of interest in the coming show to be held January 6-9, 1914, at Norfolk, Va. A record-breaking entry, also attendance, is expected, as we had the largest show in Virginia last year and we hope to double the entries as well as the attendance for the coming show. With the large list of prizes, such as cash, cups and specials, to be given, and such noted judges as Chas. Nixon and Fred Huyler to place them, you can not afford to miss this show. Premium lists can be had by addressing Paul W. Kear, P. O. B. 1114, Norfolk, Va.

### Augusta, Ga., Show.

The Fourteenth Annual Exhibition of the Augusta Poultry Association will be held in connection with the Georgia-Carolina Fair, Augusta, Ga., November 7 to 14, 1913.

The Augusta Poultry Association guarantees the delivery of all prizes named in Premium Book, whether donated by individuals or offered by the association.

The Augusta Poultry Association has given, and will continue to give, the handsomest ribbons and cups of any association in the country.

The building in which our exhibitions are held was erected under our special direction and contains approximately 20,000 square feet of floor space; all well lighted and perfectly ventilated, and under the very best sanitary conditions, entirely eliminating all offensive odors, which fact attracts the admiration of all visitors. All our exhibitions are classified and uniformly cooped, Empire Exhibition Coops being used, each specimen cooped singly.

We stand on our past record and reputation for honorable dealing. We fulfill our promises. Our references are the

## Grain Sprouters at Bargain Prices

Here's your chance to get the famous Reliance Grain Sprouter at the lowest price ever quoted on efficient, dependable machines. No one can meet our low price because while other machines are manufactured in small lots, we build the Reliance by thousands and in building them by thousands we can afford to sell way below the standard price. The Reliance comes in many sizes—to feed a few hens up to hundreds. Write for literature and bargain prices.

## Reliance Grain Sprouter

Double Walls  
Heavy Insulation  
Galvanized  
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and  
Trays

Get Ready for Winter

and begin now by giving your hens sprouted grains from Reliance Grain Sprouters.

Reliance Sprouted Grains will be the means of increasing egg yield over 50%, keep hens laying all winter, aid growth, promote health of fowl and cut your feed bill in half. The Reliance will produce 3 to 4 bushels of sprouts from 1 bushel of grain and do it quicker, with less care and attention than others. Ask for facts. Write us at once.

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Best Lumber—Economical  
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Save  
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\$100 Easily

is what the Reliance will do for you. Figure it up for yourself. Count the egg money doubled, the feed bill cut in half, the healthier and plumper chicks that bring better market prices. Then count the saving in cost of the Reliance and you can easily see the big money a Reliance will make and save for you. Thousands of these low-priced grain sprouters are in use on the most successful poultry farms in America, on country farms, in city suburbs. Don't put it off any longer, but get one for yourself.

Write us today and learn what a really low price we place upon the Reliance. Facts and literature FREE.

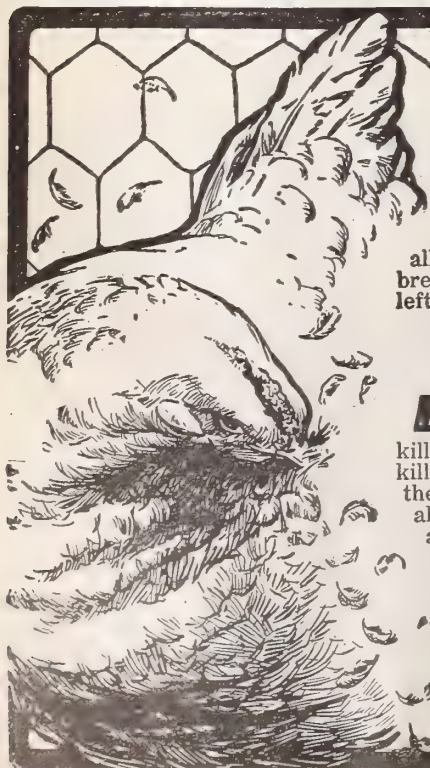
## Lice Prevent Hens Laying

Hens that are pestered with lice can't lay eggs as regularly as they should; they expend their energy pecking and clawing themselves to allay the itch. And don't forget this—lice breed terribly fast, and the longer they are left alone the harder it is to get rid of them.

## DR. HESS INSTANT LOUSE KILLER

kills lice on poultry and farm stock. It kills them *instantly*—as soon as it gets to them—that's why it's called *Instant*. It also destroys bugs on cucumber, squash and melon vines, cabbage worms, slugs on rose bushes, etc. See the name "Instant" on the can—that's the louse killer formulated by Dr. Hess (M.D., D.V.S.). Sifting-top cans. 1 lb. 25c; 3 lbs. 60c. Except in Canada and the far West. If not at your dealer's, write

DR. HESS & CLARK, Ashland, Ohio





judges and exhibitors at all our previous shows.

Show room ready for the reception of birds November 5th.

Premium list ready for mailing September 15th, 1913, will contain list of officers, judges and superintendent who have been selected for their well-known ability and reputation.

W. C. CLECKLEY, President.

R. S. GUESS, Secretary.

### Peoria, Ill., Show.

There is every indication that the show to be given under the auspices of the Peoria Poultry and Fanciers' Association, December, 2, 3, 4, 5 and 6, will be the biggest thing ever attempted. Present plans promise far greater results than any previous effort on the part of the organization.

The Coliseum, where the show will take place, is the largest building of its kind in the central west. The thousands of people who have visited this spacious place in the past know the advantages offered in it, and therefore from the start the show will be well "housed."

The comparison judging will be a feature, and this alone will attract and hold the attention of those taking part in the exhibition. Mr. O. L. McCord, of Danville, and Mr. D. E. Hale, of Chicago, will officiate as judges.

Fully fifteen hundred birds will render a quality show hard to excel, and the large number of cups to be offered should furnish an additional incentive. As a special item, indicating the extent of the Peoria show, it is needless to say, from 75 to 100 cups will be given. The entry fee will be \$1.00.

If you want any further information drop a letter to President G. W. Trunk, R. R. No. 35, Peoria, or Secretary James T. Cunningham, 1224 Maywood avenue, Peoria. Either will answer promptly all inquiries.

### Cleveland Poultry Show.

The Cleveland Poultry Breeders' Association will give their second annual exclusive poultry show in the spacious Grays Armory, Cleveland, O., Jan. 5th to 11th, 1914. This association is or consists of 20 members of Cleveland's most enthusiastic fanciers, each and every member belonging to The American Poultry Association, and consists of well known fanciers, such as J. O. Somers, president, Mr. A. E. Rehburg, secretary, Mr. J. H. Busch, superintendent, and the balance of the members, are well known business men, who have always for years, had a warm place in their hearts for pure bred poultry, and the object of this club is to devote their personal time and attention to promote more breeding and better poultry in the great state of Ohio, and all fanciers are respectfully invited to exhibit at this, Cleveland's greatest poultry exhibition. Premium list will be mailed to all breeders who write A. E. Rehburg, secretary, 2040 West 25th St., Cleveland, Ohio.

### Judges for the Chicago Coliseum Show.

Mr. Ralph Whitney, the well known and popular fancier of Rochester, Minn., has been added to the list of judges for the Great Coliseum Show. This completes the list for 1913 and enables us to give the breeders a line on the judges and the important classes they will pass upon.

W. S. Russell, Barred Rocks; D. E. Hale, White and Buff Rocks and Buff Wyandottes; W. C. Pierce, Golden, Silver, Silver Penciled and Columbian Wyandottes, Columbian and Silver Penciled Rocks; Ralph Whitney, White Wyandottes and all Minorcas; James A. Tucker, all Reds, Cornish and Houdans; H. B. Hark, Partridge Rocks and Partridge Wyandottes; O. L. McCord, White Orpingtons, Buff Orpington hens, cocks and pullets; G. E. Greenwood, Black and Blue Orpingtons, Buff Orpington cockerels and hens; T. J. Rountree, Hamburgs, Polish, Sussex, Red Orpingtons, all Dorkings, all Cochins; A. C. Smith, all Leghorns; F. L. Sewell, Black and White Langshans; H. A. Pickett, all Water Fowls, all Turkeys, all Brahmas, Rhode Island Whites and Buckeyes; A. O. Schilling, all Bantams, all Campines.

In Barred Rocks and Rose and Single Comb Brown Leghorns there will be eleven classes, as follows: Exhibition cocks, hens, cockerels, pullets and pens; pullet bred cocks, cockerels and pens; cockerel bred hens, pullets and pens.

In all other breeds and varieties there will be six classes: Exhibition cocks,

hens, cockerels, pullets, pen old and pen young.

Please note this change: Pens in all classes, except Barred Rocks and Brown Leghorns, will show all old and all young birds—mixed pens debarred. We believe the breeders of all varieties will welcome this change. Premiums will be paid on both old and young pens and they will be so listed in the catalog. Premium List ready November 1st, entries close November 25th; show dates December 12-17, inclusive. All exhibitors at the 1912 show will receive premium list without request; all others should have their names enrolled at once. Should list fail to reach any old exhibitor or prospective exhibitor that has asked for list, by November 5th, drop a line to the secretary so that a duplicate copy may be mailed.

For further information write to Theo. Hewes, Secretary, Indianapolis, Ind. Street address of secretary not necessary, Indianapolis is sufficient.

### Freeport, Ill., Poultry Show.

The Freeport Poultry and Pet Stock Association will hold their annual exhibition in the Odd Fellows' Temple from the 15th to the 20th of December, 1913. Many valuable cups, cash prizes, specials, ribbons, etc., will be awarded. They have secured as judge, Geo. Heyl of Washington, Ill. They will have uniform cooping, coops will be furnished by the association. The fanciers of Freeport are working hard to make this one of the best shows in the state and to be able to win a first will mean that the exhibitor

## The 3 GREAT EGG MAKERS THAT PAY FOR THEMSELVES IN A YEAR.

### CROWN BONE CUTTER \$6.50

Has hardened steel knives. Price, like picture, \$8.50; for bolting to table, \$6.50. For larger sizes see our Book

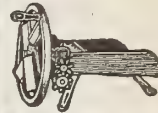


Unless fed plenty of FRESHLY CUT GREEN BONE, with the meat and gristle still sticking to the bones as you get them sweet from the butcher, and CUT CLOVER, hens can't lay as many eggs as they should. The bone must be freshly cut or it's tainted, and spoils the eggs, and often poisons hens. Clover must be cut into short lengths, or most of it is wasted, and what is eaten is fibry and often clogs the crop. If you don't give hens lots of ground SHELL and GRIT they can't digest properly nor get out of food what they must have to make eggs.

Don't depend on buying cut bone because you can't get it fresh, and dry bone and meat scrap are poor substitutes. The only satisfactory and profitable way is to own these three splendid machines. They're not expensive, are easy running, not complicated, and built to last a life-time.

### GEM CLOVER \$9 CUTTER

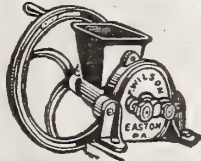
Cuts green or dry clover even and easy. Screw feed & adjustable cutter bar. Blades always square to bar. Price, like picture \$9; high legs, \$10.



## WILSON BROS. BONE CUTTERS, CLOVER CUTTERS & GRINDING MILLS

### GRINDING MILL \$5

Best hand mill for grinding easily, quickly, Dry Bones, Shells, Grit, Charcoal, Corn, Wheat, etc. Price with Stand, \$7; like picture \$5. Larger sizes, hand and power.



WRITE FOR FREE BOOK

### DON'T KEEP HENS UNLESS YOU CAN OWN THESE MACHINES

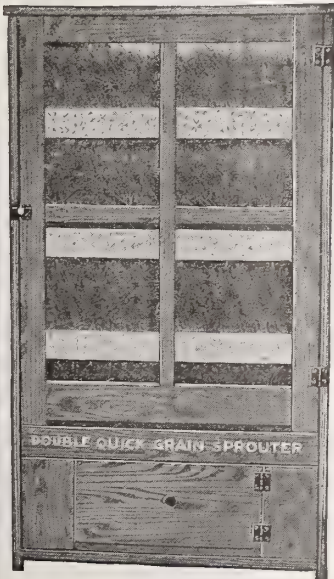
They won't pay you well enough for eggs or table. Keep a record of results and you'll soon prove that these machines will pay for themselves in a year.

Handled by nearly all dealers and hardware stores, or shipped direct. Write for our prices on all sizes—hand and power.

Do your neighbor's cutting and make money. We also make the CORNING FEED MIXER, the best mash and grain mixer in the world. Every Wilson machine is absolutely guaranteed. Write to-day for FREE BOOK & Price List.

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## DOUBLE QUICK GRAIN SPROUTER THE PERPETUAL POULTRY SILO



Shows Oat Sprouts 8 Inches High

of 2 inches daily. Made in six sizes from a few hens to 1000. Send for complete Double Quick information.

CLOSE-TO-NATURE CO.

This is the fourth season that readers have seen in the poultry papers the following very familiar line:—

### SPROUTED OATS — WINTER EGGS

and several thousand poultry keepers have immensely increased their egg yield by the use of the well known Double Quick Grain Sprouter—the original—the first—the oldest sprouter and made in the Largest Grain Sprouter Factory in the World. We have supplied many of the large and well known poultry plants in the United States, some having ordered as many as three to five sprouter after testing out their value.

Later—April 27—I am enclosing my check for two more of your No. 5 Double Quick Sprouters. The one I bought some weeks since is doing good work.—C. H. Latham, Beauty and Utility Barred Rocks, Lancaster, Mass.

October 7, 1912—On September 16th I ordered your No. 5 Double Quick Sprouter sent to Maud L. Kaler, Columbia City, Ind., and this one is proving so satisfactory that she wants another of the same size and therefore you will find draft in payment of this second sprouter.—Milo R. Meredith, Indianapolis, Ind.

September 14, 1912—I ordered and received from you last fall one of your 5-tray grain sprouters. This works very satisfactorily. I want one for 1,500 hens. Will you kindly advise me by return mail if you make a larger size and the price of same. Later—September 23—I enclose you my check for which please ship me rush one of your No. 6 Grain Sprouters.—E. A. Palmer, Providence, R. I.

Soon pays for itself. Makes two to four bushels of feed from one of grain. Sprouts in 24 hours and forces growth.

38 Front Street

COLFAX, IOWA



has good stock. For information, premium list, etc., write to Paul Wurtzel, Secy., Freeport, Ill.

### At Streator, Ill.

The Northern District of Illinois Fair, held at Streator, Sept. 8-13, inclusive, staged one of the neatest and best poultry shows it has been our pleasure to handle at this season of the year. The classes were well filled and the competition lively, while a spirit of general good-fellowship prevailed at all times. Single Comb Rhode Island Reds were out in good numbers and comprised the largest exhibit. The quality was good. Most of the awards going to F. E. Gopen, of Lостant, Ill., whose beaming smile could almost be heard every time an award "fell his way." His awards were 1st cock, 1st and 2d cockerels, 1st pullet, 2d hen and 1st and 2d pens. First cock was in a class by himself, showing good type and color, but not shown in good

condition. First and second cockerels were both promising youngsters, showing rich, lustrous color throughout, but undeveloped. Second hen was shown in good condition, but a little short in type, so had to take second to a hen exhibited by Frank Betzler, of Roscoe, Ohio. F. E. Jones, of Streator, exhibited some Buff Orpingtons that were the class of the show, winning second cock on a bird not half through the moult, but showing good Orpington type and splendid color. His first prize hen was a grand, good bird, except in comb, while the first pullet should be introduced to stronger competition; she was alone in her class.

R. H. Smith, of Streator, was also well represented in Orpington alley by a bunch of youngsters that took the short end of the money, only on account of being undeveloped. His second cockerel was a classy bird, but just in the awkward stage of development; second pullet was a little beauty and will doubtless be heard from later.

Ames & McAllister, of the Chautauqua

Poultry Farm, of Streator, were the whole thing in the White Wyandotte alley, making practically a clean sweep in the awards, with a class of birds that showed quality all the way.

Frank Retzler, of Roscoe, Ohio, exhibited 450 head of land and water fowls, comprising 115 varieties and containing many specimens of splendid quality, also many rare specimens seldom seen at the smaller shows.

The rabbit and pigeon displays were the center of attraction for the children, while the exhibit of the State Game Farm was of interest to all. This exhibit was in a wire enclosure near the office of the secretary and was the first thing to attract the visitor on entering the gates, and last but not least, our good friend John Brinkman was there dispensing relief to afflicted poultry in the form of "Licene" and infusing a spirit of good cheer to all about him.

We reluctantly said good-bye to the Streator boys and hope we may in the near future have the pleasure of renewing their acquaintance. J. C. Johnston.

### Menard County Fair.

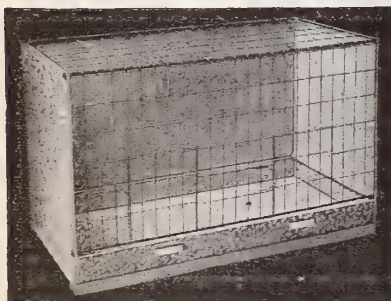
The poultry exhibit at the Menard County Fair, while not large, brought out some quality in nearly all the leading varieties. White Wyandottes, White Rocks and Single Combed Reds were the leading classes, while the Bantam exhibit was the feature of the show. Petersburg is a hotbed of Bantam breeders and the quality of the stock bred is second to none.

O. A. Carman, of Petersburg, was there as usual with a large exhibit of White Wyandottes, winning all first and second premiums, also the trophy cup given by the association for the best display, all varieties competing. Mr. Carman is getting the trophy cup habit, which may cause trouble for some other ambitious Wyandotte breeders in the future. H. E. Taylor, of Petersburg, was well represented in White Rock alley. Harry has the reputation in this locality of being one of the "gamiest" losers in the business, but he had no chance to show his gameness here, as everything came his way. Klingbeil Bros. exhibited a splendid line of Bantams, winning nearly all awards in Games and dividing honors with H. T. Carman and others in the Ornamental classes. Hogden & Golden cleaned up the White Leghorn alley so thoroughly that there was not many ribbons left for the other fellows. Taking the exhibit as a whole, it was good and speaks well for the fanciers of Menard county.

The Annual Poultry Show of the DeWitt County Poultry & Pet Stock Association will be held at Cuero, Tex., Nov. 18 to 22nd, during the four days of the Cuero Turkey Trot Carnival. A feature of this show will be the great street parade of twenty thousand live turkeys. These birds marching (or trotting) the streets like regiments of soldiers present a novel and interesting sight worth coming miles to see. The chickens and pigeons will be uniformly cooped in the Empire Coops recently purchased by the association and will be judged by the score card method by a leading Texas poultry judge. Liberal cash and many special premiums will be awarded. Premium list mailed upon request. Governor Colquitt will open the show and will review the parade of twenty thousand turkeys. L. W. Coit, secretary.

The Michigan State Poultry Fanciers' Association will hold their first annual show February 10 to 15, 1914. Comparison judging, with James A. Tucker, George M. Wells and F. E. Harrison, placing the ribbons. Entry fee—single specimens \$1.00 and pens \$3.00. This will be Michigan's great round-up show, and it will, undoubtedly, be one of the largest shows ever held in the state. Turner Hall has been secured for these dates. The directors are putting forth a special effort to make this show a great success. Liberal prizes will be given and all premiums will be paid before the show closes. Any further information will be gladly given by addressing the secretary, W. A. Haines, Menominee, Mich.

The Mansfield Poultry, Pigeon & Pet Stock Association, Inc., will hold its second annual poultry show Nov. 26, 27, 28 and 29 in the Town Hall. There will be special prizes and ribbons. The Partridge Plymouth Rock Club offers to its members a bronze medal for the best bird and ribbons. Judge Lambert of the Rhode Island State College will judge the birds. Faye Howe, secretary, 56 Draper Ave., Mansfield, Mass.



## GET READY

Buy coops now for county and state fairs. We make training and exhibition coops, brood, setting and colony coops, fireless brooders, portable hen houses, traps, portable fences and runways, collapsible show coops to coop poultry shows, etc. We will be at the state fair, Springfield, Illinois, under a large tent south of the Dome Bldg., next to the covered walk on lot 90 don't fail to see us there. Write now for catalogue, it is free. Address

Niemann Bros. Mfg. Co., Box 677, Mt. Olive, Ill.

# A Big Help in the Milk House

When it comes to quick, easy cleaning of milk cans, pans, pails, cream separators and churns,

## NOTHING DOES THE WORK SO THOROUGHLY

as Old Dutch Cleanser.

Wooden benches, tables and shelves are quickly freed of milk stains, grease and cream clots.

## MAKES EVERYTHING SWEET AND SANITARY

No hard rubbing nor tedious scrubbing.

Many Other Uses and Directions on Large Sifter Can—10c

DON'T BE WITHOUT IT





The Dover Poultry Pigeon and Pet Stock Association will hold their annual show as usual Thanksgiving week, November 24-29. The Outlook for this year is better than ever, many inquiries coming in for premium lists. Anticipating the largest exhibition ever held in Dover, N. J., the show room is being enlarged to accommodate a thousand more birds. There will be special attractions this year that will be of interest to the many visitors. Many cups, specials and cash awards will be given to the winners. Those who have exhibited in the past know the reputation of the Dover Association, and if those who have not will send in their entries they will be accorded the best of attention whether they can attend or not. Get in line with us this year. Entries close November 16th. Carroll H. Hoagland, secretary. Ledgerwood, N. J.

E. Lisle Keesling, of San Jose, Cal., is making up an exhibit in California to send to the Palace Show in New York City in December. Mr. Keesling is a bantam man, and it was his intention to make the display of bantams alone. However, several breeders of large fowl thought it would be a good plan and have decided to join him. Anyone in California that desires to ship birds with this

collection can do so, and save express charges. Mr. Keesling is planning to send in light coops, and altogether to save the heavy express charges of a single entry. Mr. Keesling is to have real California birds entered, and is not interested in birds purchased in the east to be sent west after the show.

The Kansas City Poultry Show, of Kansas City, Mo., will be held Dec. 1-6, 1913, in the Convention Hall, with V. O. Hobbs, T. W. Southard, E. W. Rankin, J. W. Southmayd, Ralph H. Searle, Tom H. Woods and L. H. Wible as judges. The following are the officers of this association, which insures a large entry and square treatment to everybody: President, W. W. Graves, Judge of Missouri Supreme Court; 1st vice-president, Reese V. Hicks, editor of Poultry Culture; 2nd vice-president, T. E. Quisenberry, director of Missouri Experiment Station; 3rd vice-president, T. W. Southard, dealer in poultry supplies; E. L. Noyes, secretary.

The Hudson County Poultry-Pigeon, Pet Stock Association are making arrangements to have one of the largest poultry shows ever held in the State of New Jersey. They have a large assortment of Silver cups and other prizes to offer to make the show attractive and

have engaged Columbia Hall of Greenville, Jersey City, for the 12, 13, 14, 15, of November, 1913, where everything in the line of poultry, pet stock, also incubators and supplies will be shown. James Eagan, secretary show committee.

The Connecticut Valley Poultry Association, Bellows Falls, Vt., are planning their fourth annual exhibition Dec. 2-3-4, 1913, and have secured as judges, Brundage, Ives and Beebe. The state appropriated \$500.00 to be divided between the associations of the state on certain condition so we should be in a position this year to offer extra cash special, in addition to the large number regularly offered. G. S. Buxton, secretary.

The date of the 3rd annual show of the Newton County Poultry Association is January 8 to 13, 1914, to be held at Morroco, Ind. Judges, Carl J. Carter, all Orpingtons, H. A. Pickett, all other varieties. A. M. Robertson, secretary. We are arranging for a show of 1,000 birds and will offer liberal premiums.

The Savannah Poultry Association will hold its third annual exhibition Dec. 8-13, 1913, inclusive. Officers: president, A. B. Moore; secretary, O. J. Metcalf. Judges will be selected later.

## Heating Outfits

### Dependable HOT WATER PLANTS

We have the very best Hot Water Heating Plants manufactured. There are no half-way methods employed in the manufacture of these outfits—they are carefully made of the finest selected material throughout, all fittings brand new; valves solid brass, heavily nickel plated; brand new pipe; radiators and boilers of latest design and most approved construction. Every plant is a tried and proven success and is sold under our guarantee bond which is backed up by our entire capital and high business standing.

No Previous Experience Necessary to Install One of These Plants

That's where a big part of your saving comes in—you can install the plant yourself! Our wonderful service system makes this possible. Most of our customers install their own heating plants. No reason why you cannot do the same and by cutting out the plumber's profit, easily save half on your purchase. We furnish all necessary information and supply tools.

We have ever experienced. Therefore for the next 60 days we have decided to make the most startling offer ever known in the history of the heating business. Our offer is this: Send us a rough sketch of any building in which you are thinking of installing a heating plant and we will furnish you an estimate of its cost. We positively guarantee that our estimate will mean an absolute saving of at least 25% below what you can buy a similar plant for elsewhere. In addition thereto we will prepay the freight to your shipping point, that is, provided we hear from you at once so that we can arrange our offer giving you an opportunity to take advantage of it within 60 days.

**\$93.00 FOR ABSOLUTELY COMPLETE PLANT FOR EIGHT ROOM HOUSE SHOWN**

This complete modern Hot Air Equipment, includes all necessary pipe, stacks, wall and floor registers and furnace, in fact everything to complete the installation of a Hot Air Furnace in this modern house in a first-class workman-like manner. Supplied with our No. 22 Economy Hot Air Furnace. Complete with double lined casing, pitched top bonnet, all necessary trimmings, including water pan, etc., sent you for \$93 all freight charges prepaid to points as follows: Ill., Ind., Ohio, Southern part of Mich. and Wis. and Eastern part of Iowa. Special prepaid prices to any points outside of the above territory. We can also furnish this house with complete Hot Water Heating Plant for \$235.00. Before you install any kind of a heating plant be sure to write us. We will save you money.

**FREE Heating Information Book**

**Free Heating Information Book**  
Wonderful Bargains in Heating Plants  
Here's a book you should read before you install any kind of heating plant. Contains more valuable information than any other book published. Tells how to install your own heating plant—adapted for different kinds and sizes of buildings and WHY it is best. From this you can readily determine what kind is best adapted for YOUR home or buildings. Gives cost of complete installation of any kind of plant for any size building. Tells how to install your own heating plant—how thousands of others with no previous experience have done so and saved plumbers' charges. PROVES that we save you 30% to 50% on any kind of heating apparatus you may need. Write today for free copy of this wonderful book.

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### Why We Make This Great Offer!

We are determined that this season shall show the largest increase in our Heating Outfits Department we have ever experienced. Therefore for the next 60 days we have decided to make the most startling offer ever known in the history of the heating business. Our offer is this: Send us a rough sketch of any building in which you are thinking of installing a heating plant and we will furnish you an estimate of its cost. We positively guarantee that our estimate will mean an absolute saving of at least 25% below what you can buy a similar plant for elsewhere. In addition thereto we will prepay the freight to your shipping point, that is, provided we hear from you at once so that we can arrange our offer giving you an opportunity to take advantage of it within 60 days.

**\$70.00 BUYS COMPLETE HOT AIR PLANT FOR THIS LARGE**

**IN SIX ROOM HOUSE**

**BATHROOM OUTFITS**  
at Freight Prepaid Prices  
Here is a modern, sanitary A-1, brand new, up-to-date Bathroom Outfit, consisting of a sanitary, modern, roll rim, white enameled bath tub, a high-class lavatory and an up-to-date, low down closet combination, all equipped with the latest style trimmings and fittings—an outfit good enough for the palace of a king; absolutely guaranteed "A" grade.

We furnish all necessary connections from floor up; for next 60 days, we furnish this outfit, our "Royal" 5-BG-73, freight prepaid to any point within a radius of 300 miles from Chicago, for \$62.50. We supply all necessary information so you can install outfit yourself.

**The Chicago House Wrecking Co.**

prominently known for 20 years as the great "Price Wreckers" is now being operated under the name of Harris Brothers Company. There is no change in our policy, or in our business methods—we promise the same careful attention to your wants, and the same remarkably low prices as heretofore. Every article offered in this advertisement is sold under a guarantee so broad and binding that you cannot go wrong—your money back if you are not satisfied. Our references: Any bank, any express company, the publisher of this or any other paper.

## Prices B-U-S-T-E-D

### Best Heating and Ventilating Hot Air Furnaces

For a nice, even system of heating, at a moderate price, nothing excels a hot air plant. The first cost is but a trifle, and it can be installed by any man handy with the use of a tool. In point of economy, durability, material and workmanship these furnaces are without a peer. Burn hard or soft coal or coke. They represent the top notch of furnace construction throughout.

Distance Makes No Difference

We furnish all necessary information so that no previous experience is necessary in order to install one of these plants. All we want is a sketch of the building you have to heat, and a general idea as to the construction. No matter where you live, we will give you the benefit of our expert advice; 20 years in the heating business has made us familiar with every phase of the heating business and you will find our suggestions most valuable. Write us today.

**\$70.00 BUYS COMPLETE HOT AIR PLANT FOR THIS LARGE**

**IN SIX ROOM HOUSE**

Never before has a complete Hot Air Plant for a six room house been offered at such a cheap price as this. Outfit includes everything necessary, no parts missing. Furnished with our No. 20 Economy Furnace, including hot air pipes, adjustable elbows, pitched bonnet, casing, collar, Cold Air Faces, plans and instructions for installing. Complete for only \$70; freight prepaid to points as follows: Ill., Ind., Ohio, Southern part of Mich. and Wis. and Eastern part of Iowa. Special prepaid prices to any points outside of the above territory. We can also furnish a plant for the same building, Hot Water, for \$193.00. This is a money-saving opportunity you can't afford to overlook. Don't fail to write us.

**FREE Plumbing Information Book**

**Free Plumbing Information Book**  
Another Wonderful Book Containing a Mine of Valuable Information  
This book contains a liberal education in plumbing—by far the handsomest, the most complete and most practical book on plumbing goods and installation ever published. Shows just what is necessary to equip any building of any style or size and, what is better, shows how YOU can do it, for it reduces the installation of plumbing from the difficult stages as put up by the plumber to an easy proposition that any handy man can handle. Shows you how you can save fully 50% by taking advantage of the bargain offerings it contains. It's yours FREE for the asking. Remember, in all your dealings with us you get the benefit of our 20 years experience.

**Harris Bros. Co. DEPARTMENT BG 8 35 TH AND IRON STS. Chicago**



The 13th annual show to be held by the Warren County Poultry & Pet Stock Association will be the best ever held by that association so far as premiums are considered. A handsome silver cup will be given for the best exhibit all breeds competing; also cups will be given as specials for best color and shape. All of the different clubs are offering specials at this show. So that taking the specials along with the ribbons and cash prizes

offered by the association should make it a desirable show for exhibitors. The show will be held Jan. 5-6-7-8-9, 1914. Any one who wishes further information in regard to the coming show can obtain the same by writing to the secretary, L. E. Conroy, 26 Cedar St., Warren, Pa.

One of the most successful of the new shows held last season was that of the Bowling Green Poultry Association of

Bowling Green, Ohio. This association is a live one and is bound to make this a show where winning is really worth while. The next show will be held Dec. 29th-Jan. 3rd, and the awards will be placed by Judge A. H. Emch. For any further information address the secretary, A. A. Whipple, Bowling Green, Ohio.

The Quincy (Ill.) Poultry, Pigeon and Pet Stock Association will hold its seventh annual show Nov. 26-30, with Russell, Hale, Hare and J. C. Johnston as judges. Seventy-five to one hundred silver cups. Gold leg bands for champion male and female in each class, and we guaranty to pay premiums as soon as the judges put up the ribbons. We will banquet each visiting exhibitor at the best hotel in Quincy, and we will strive to please each and every one who send their birds to us. Quincy is a sales town it doesn't do to miss. Catalogue is ready to be mailed to all who ask for it. A. D. Smith, secretary and treasurer, Quincy, Ill.

The Springfield Poultry Club of Springfield, Mass., announces its sixth annual show will be held Dec. 16-18, 1913, in the new auditorium, one of the municipal group, with a capacity of 1,500 coops single tier. This association issues one of the best and handsomest premium lists of any association in the country. W. B. Atherton, Paul P. Ives, C. H. Welles, W. H. Card, and Richard Oke will hang up the ribbons. In all probabilities, this will be the largest show held in the East, outside of New York and Boston. H. L. Davis is secretary and will gladly send premium list and other information upon request.

The little Cochon Bantam will be a big feature at the Palace Show this year. It is the aim to show that the Cochon is the king pin of Bantam Alley, and there is a fine little race to see which variety of the breed can show strongest. At the present time Blacks lead with 18 pledged exhibitors, within the past week. Buffs have taken an interest and are walking right up the line. Whites are a mystery. H. H. Kingston, Jr., of Rochester, is pushing them and not making any predictions. Whichever breed wins will help all Cochons, but each variety wants the honor of being first in popularity.

The Palace Show of New York City has been advised by Poultry Press Ltd. of London, England, that it plans to send over an exhibit made up of the best breeders in England. This exhibit will be in charge of an export poultry man, who will attend the show with the birds and see that they go back in good shape. It is hoped that the gentleman in charge of the exhibit will be able to arrange a similar display for the London Palace Show.

The Dodge Co. Poultry Association will hold their fourteenth annual show at Fremont, Neb., Dec. 8-12, 1913. We have extended an invitation to the State Branch of the American Poultry Ass'n. and everything is looking fine for a good show this winter.

Our premium list will be out about Nov. 1st and those who have birds to exhibit will do well to send for one and make an entry at the big Fremont show, and we would be very pleased to have you come with your birds. Fred S. Davis, Secy.

The eighth annual exhibition of the Pittsburg Poultry Association will be held at Pittsburg, Kans., on Dec. 1st to 5th. Adam Thompson, judge. For premium list write D. J. Mackey, secretary and treasurer, 912 N. Rouse, Pittsburg, Kans.

The Sandusky County Poultry & Pet Stock Association of Fremont, Ohio, will give their first annual exhibition January 22 to 27, 1914. Judge Jas. Tucker has been engaged to place awards. H. E. Cochran, secretary, Fremont, O.

The Fayette County Poultry Association will hold their second annual show Dec. 11-12-13, 1913. Competition open to the world. Judge, W. W. Zike. A. J. Roth, secretary.

The South Shore Poultry Association will hold their Fourth Annual Poultry Show at Kingston, Mass., December 5th and 6th, 1913. Albert H. Holmes, secretary, North Plymouth, Mass.

The fourth annual show of the Morgan County Poultry Association will be held in Armory Hall, Jacksonville, Ill., Dec. 10th to 13th. Geo. A. Heyl, judge, Jas. C. Weber, sec'y.

## GOLDEN AND BUFF WYANDOTTES

My stock has won at Chicago show for the past eight years and last December won the highest prize champion Golden male. This stock must go as I am going into smaller quarters, having bought a place last month. Write at once if you want show birds for this season. Mention American Poultry Journal.

J. S. Pennington -- Box A -- Plainfield, Illinois

## S. C. BUFF ORPINGTONS


My birds have always won their share of the ribbons at such shows as Chicago, Pittsburg and Cleveland. I still have a few good breeding males and females left. Let me quote you.

Roseland Poultry Farm, Chas. W. Switzer, Prop., So. Euclid, O.

## OUR ANCONAS

First Prize Winners at such leading shows as London, England, Madison Square Garden, Cleveland, Toledo, Allentown, Pa., and the late shows in August at Cleveland, Forest City, Fair. Write for catalog, booking orders for hatching eggs and baby chicks, season 1914.

J. O. SOMERS, R. 2, BEDFORD, O.




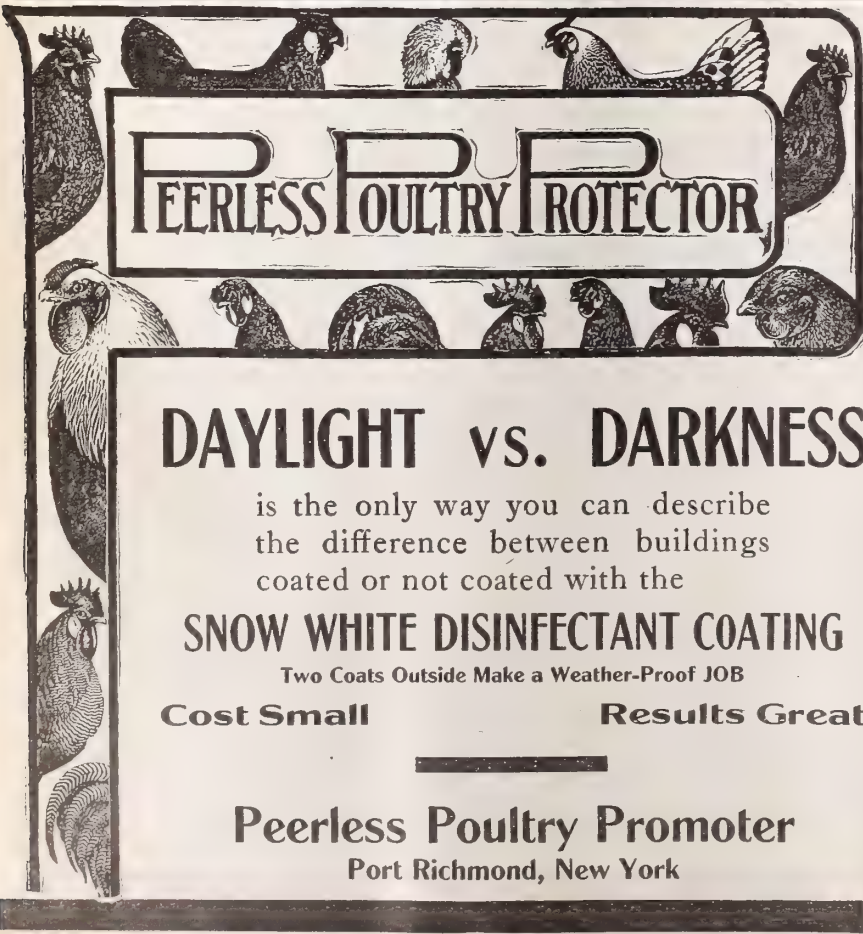
**THE BEST IN THE SOUTH**

**MY WHITE PLYMOUTH ROCKS**

**WRITE FOR ILLUSTRATED PRICE LIST**

**W. J. BRINKLEY, Iuka, Miss.**





# PEERLESS POULTRY PROTECTOR

## DAYLIGHT vs. DARKNESS

is the only way you can describe  
the difference between buildings  
coated or not coated with the

## SNOW WHITE DISINFECTANT COATING

Two Coats Outside Make a Weather-Proof JOB

**Cost Small      Results Great**

### Peerless Poultry Promoter

Port Richmond, New York



The Elgin Poultry Association of Elgin, Ill., announce their 15th annual exhibition to be held Jan. 5-10, 1914. Mr. Chris H. Leitner, secretary writes: "We are going to have uniform coops (new coops all our own), comparison judging, thirty-five or more silver cups and \$1,000 in cash prizes. We also have fifteen display coops which we put or place in the center of our show room, which is the big Coliseum, 18,000 square feet of floor space."

The Columbus (Ga.) poultry show dates are November 17-22, 1913. Judges: Chas. T. Cornman, Carlisle, Pa.; F. J. Marshall, College Park, Ga. Premium list will be ready for mailing October 1. We will give sixty handsome silver cups and one thousand dollars in cash premiums. John S. Jenkins, secretary and treasurer.

The Chicago Heights Poultry Association, Inc., will hold its annual show on Jan. 7-8-9-10, 1914, at Chicago Heights. F. H. Shellabarger has been selected to act as judge. Premium lists will be ready for mailing Nov. 1, 1913. B. T. Gibbs, secretary, Box 232, Chicago Heights, Ill.

The Winneshiek County Poultry Association, of Decorah, Iowa, will hold its third annual poultry show Jan. 5-9, 1914. Judge Chas. V. Keeler will hang up the ribbons. Len Larson, secretary.

The Logan County Poultry Association of Lincoln, Ill., will hold a poultry show Dec. 2-6, 1913, with Campbell as judge. The premium list will be ready Nov. 10, 1913. J. W. Walker, secretary.

The eighth annual exhibition of the Mohnton Poultry and Pigeon Association of Mohnton, Pa., will be held Nov. 26-29, 1913, with Geo. W. Webb as judge. J. H. Fichthorn, secretary.

The Hinckley Poultry and Fanciers Association will hold its second annual show at Hinckley, Ill., December 16-19, 1913. Harry W. Atkins, judge. G. Anderson, secretary.

LaFayette Poultry Club of LaFayette, Ind., will hold its annual show Jan. 6-30, 1914, with D. D. Whitaker as judge, W. M. Bryan, secretary, 332 Lawn Ave., W. LaFayette, Ind.

The Wadsworth Poultry Association of Wadsworth, Ohio, announce that their next show will be held Jan. 13-17, 1914, with A. H. Emch as judge, Chas. H. Reis, secretary.

The Wisconsin Poultry Association of Madison, Wis., will hold its tenth annual exhibition, Jan. 5-9, 1914. Judges G. W. Hackett and W. S. Russell will place the awards. James G. Halpin, secretary.

The Consolidated Poultry and Pet Stock Association of Bluffton, Ohio, will hold its annual exhibition, Jan. 12-17, 1914, with Chas. McClave as judge. D. J. Kohli, secretary.

The Fond du Lac Poultry and Pet Stock Association of Fond du Lac, Wis., will hold its third annual poultry exhibition, Dec. 10-15, 1913. Geo. M. Wells will judge the show by score cards. O. E. Born, secretary.

The Port Clinton Fanciers' Association of Port Clinton, Ohio, will hold its first poultry show, Jan. 19-24, 1914, under the rules of the American Poultry Association. G. T. Conley, secretary.

The Terre Haute Poultry Association of Terre Haute, Ind., will hold a poultry show Dec. 31 to Jan. 6, with Theo. Hewes as judge by comparison. M. Austin Potter, secretary.

Mr. L. H. Wible, secretary, announces a poultry show will be held at Independence, Kan., Jan. 5-11, 1914. Mr. Wible's address is Chanute, Kan. Write to him for information.

The Paulding County Poultry Association of Paulding, Ohio, will hold a poultry show Jan. 26-31, 1914, with L. C. Taylor as judge. C. P. Klingler, secretary.

Neodesha Poultry Association of Neodesha, Kansas, will hold its second annual poultry show, Dec. 15-20, 1913. D. R. Kinkead, corresponding secretary.

The second annual show of The Beardstown Poultry Association of Beardstown, Ill., will be held Dec. 1-6, 1913. Victor L. Adelman, secretary.

The Muskegon Poultry and Pet Stock Association of Muskegon, Mich., will hold its annual show Jan. 13-17, 1914. E. G. Evans, secretary.

Mr. W. D. Craig, of Galena, Mo., announces a poultry show and fair to be held at Galena, Mo., Oct. 8-9, 1913. Write to him for information.

The Granite State Poultry Association of Dover, N. H., will hold a poultry show Jan. 7-10, 1914, with Watson and Coffin as judges. D. C. McIntosh, secretary.

Mr. C. M. Swan announces their poultry show will be held at Leavenworth, Kan., Jan. 20-23, 1914, with Shellabarger as judge.

The first annual poultry show of the Grimsby Poultry Association will be held on Nov. 11-14. Henry B. Strome, secretary, Grimsby, Ont.

The Poultry-Pigeon Fanciers Club of Roanoke, Va., will hold a poultry show, Dec. 2-6, 1913. F. J. Gormican, secretary.

Our R. and S. C. Reds made the most sensational win by winning more prizes than all competitors combined. We have show stock for sale. Illustrated catalog free.

## ONEIDA INDIAN REDS

ONTARIO VIEW POULTRY YARDS - - - ONEIDA, NEW YORK

## WALDEN'S BARRED ROCKS

Philadelphia, New York and Baltimore winners. I can please you with quality and price. Quality is my aim, with satisfaction assured. Choice breeding stock at right prices. If you want quality that will improve your stock I can supply it. Write me your wants.

R. J. Walden, Box A, Middleburg, Maryland

## Palmer's White Rocks

We are now ready to furnish you with your Fall and Winter Show birds; about 300 high-class birds to select from. Write us what you are looking for and we guarantee to please you at fair prices. When writing mention American Poultry Journal,

THE GLEN POULTRY FARM - - FAIRPORT, N. Y.

## SINGLE COMB REDS

My birds win year after year because they have years of careful line breeding back of them, and because I know how to mate them to produce winners. My record of all five firsts and all specials at Chicago is the greatest win ever made on Reds. Show birds for sale. Write me for prices.

B. H. Scranton, Box 350, Rising Sun, Indiana

## SMITH'S Single Comb Buff Leghorns

For sale by the hundred.  
Best Strain, Best Breed  
to lay large white eggs.  
Show Birds and Show Birds  
that can and will win in any  
competition.

WRITE ME YOUR WANTS. I GUARANTEE TO PLEASE YOU.

F. S. SMITH : : : HAMILTON, OHIO

## SPECIAL SALE 2,000 CHOICE BIRDS

WHITE PLYMOUTH ROCKS	WHITE WYANDOTTES
BARRED PLYMOUTH ROCKS	S. C. BLACK MINORCAS
BUFF PLYMOUTH ROCKS	S. C. WHITE LEGHORNS
S. C. BUFF ORPINGTONS	S. C. BROWN LEGHORNS
S. C. WHITE ORPINGTONS	S. C. RHODE ISLAND REDS
S. C. BLACK ORPINGTONS	R. C. RHODE ISLAND REDS

### Examine Birds Before You Pay for Them

So sure are we of pleasing you with the high quality of our stock, we are perfectly willing to send any shipment to you C. O. D. subject to your inspection before you pay for them. Our records show by this method that fully 99 per cent of our shipments are accepted. We challenge any breeder to show as good a record. We sell birds on their merits and we will sell to you if you give us a chance. Our Special Sale Circular tells about the 2,000 birds we offer for sale and includes cocks, cks., hens, pullets, pens, trios and single birds, just as you wish them. We can furnish exhibition birds for any show or utility birds as low as \$1.25 each. Send today for a copy of our Sale Circular giving you reduced prices on every bird we offer. Mention American Poultry Journal when writing.

Goshen Poultry Farm : : R. F. D. 7 : : Goshen, Indiana





## News from Our Advertisers.

By H. H. Coburn.

Cherry Red Single Comb Rhode Island Reds, bred by Ernst F. Birkholz, have improved so much in color that other Red breeders are amazed at his success. In addition to this they have size and shape. One lot hatched April 9 weighed five to six pounds on the last of August. Mr. Birkholz offers some wonderful cockerels and a few pullets at reasonable prices. Some sired by his famous old cock bird and the son of the first Madison Square Garden cock. Address E. F. Birkholz, Willoughby, Ohio.

John L. Brown, breeder and originator of the Giant Strain Single Comb Black Minorcas, has about three hundred grand

youngsters that are correctly named Giants. In addition to size they have type and color to burn; many of the females have distinguished themselves with phenomenal egg records, and Mr. Brown guarantees 70 per cent fertile. His Minorcas have won at Chicago, Buffalo, Memphis and Indianapolis for years, and anyone desiring show birds for the winter shows should address John L. Brown, 2337 Brown St., Anderson, Ind.

E. O. Heaton is a most ardent and enthusiastic breeder of the Rose Comb White Orpington. This variety is rapidly pushing toward the front and promises to be as popular as their single comb sisters. Mr. Heaton is wisely on the ground floor of this variety and is in a position to furnish show birds for anyone wishing good ones. These birds are strong and

vigorous and are typical Orpingtons. Mr. Heaton exhibited thirty of his birds at the Indiana State Fair and expects to show a large class at the Illinois State Fair this month. Beginners who desire to start in with a breed which in all probability will come rapidly to the front should write E. O. Heaton, Scircleville, Ill.

J. O. Somers, the originator of the Famous Black Beauty Strain of Mottled Anconas, and president of the Ancona Club of America, has about 1,500 range raised youngsters, hatched from two year old hens, of exceptional size and color, and they show great vitality. Mr. Somers reports that he is making some good sales and that he intends to hold over about 400 yearlings for next year's breeders, and 500 pullets for 1915 breeders. The demand for Anconas is gaining by leaps and bounds and Mr. Somers says that he will triple his capacity for stock next season. If you want some exceptionally good cockerels or pullets for the early shows, write J. O. Somers, Bedford, Ohio.

H. A. Keister, breeder of Rose Comb Black Minorcas, has about 150 chicks bred from his Madison Square Garden and Boston winners. Pullets hatched during March and April weighed four pounds August 1 and cockerels five pounds; they have both color and shape and exceptionally fine combs. Judge Rolland Story at the Boston show last year said, "Your first cockerel is practically without fault and your birds have the best combs I ever saw on Minorcas." Mr. Keister's farm consists of 25 acres, on which the birds have free range. The show records at Madison Square Garden, Boston and Scranton prove that he has the quality to suit. He is about out of breeding stock, but has some good birds ready for the early shows, mostly cockerels. Write him for prices. Address H. A. Keister, Bangor, Mich.

Mrs. Guy Blencoe, breeder of the Blencoe Single Comb White Orpingtons, has some exceptionally fine birds to dispose of. Mrs. Blencoe is a thoroughly competent poultry fancier and was the Doctor's counsel and adviser in all matters pertaining to the poultry business. We can but compliment her on her bravery in continuing what must bring many memories and heart aches. Let us help her by introducing the Blencoe Single Comb White Orpington blood—the strain with a conscience—into our flocks. Write for catalog and prices. Address Mrs. Guy Blencoe, Alma Center, Wis.

C. M. Agler, breeder of Single Comb Rhode Island Reds, furnished birds for Canada's leading shows last season; he also has sold birds to the South which won high honors. He will be short of females this year owing to the loss he sustained during the high water last spring, but he can furnish some grand show cockerels of even color; breast fluff and rich red color to the skin. Mr. Agler's Reds have won the Toledo cup three times in succession. Write him for prices. Address C. M. Agler, Millbury, Ohio.

Dr. G. G. Billman, one of the oldest breeders of Houdans in the United States, is building up a strain of Houdans second to none. Houdans are again gaining favor as their grand utility points appeal to the public in general, and their size, shape and head points make them a most attractive fancy breed. If you are interested in Houdans and want birds of the best type, address Dr. G. G. Billman, Sullivan, Ind.

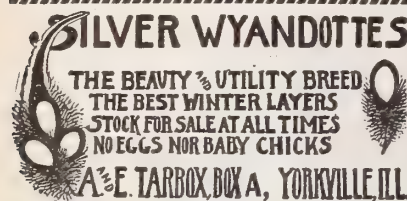
The Wendell Incubator Co. is one of the few incubator concerns that began with a small capital and increased its output every year. Their new machine, called the "Poor Man's Friend," has a capacity of 125 eggs and is guaranteed to hatch every hatchable egg. Price of this machine is only \$6.98. In addition to manufacturing incubators they manufacture the Wendell Suspension Hoyer, which is giving universal satisfaction; they also manufacture the Wendell Non-Freezing Drinking Fountain, and new line of Can't Clog feeders, new oat sprouter and fruit drier and fifty other articles of interest to poultrymen. They are issuing a new catalog which will be larger and more complete than any previous catalog. It will show cuts of buildings, incubators and supplies, with full description and price list. Write for a copy of it, and if on the market for a good machine, buy a Wendell. Address Wendell Incubator Co., Holly, Mich.

## HOUDANS

"WORTH WHILE" I have for sale a number of early hatched birds which I will guarantee to win for you; also have a number of utility birds for sale. Write me your wants, mention American Poultry Journal.  
Dr. G. G. BILLMAN : : SULLIVAN, INDIANA

## MYERS' EXHIBITION BARRED ROCK FEMALES

Madison Square Garden, N. Y., N. Y., Winners 1912-13—Exhibition Females My Specialty—Pullet Bred Males from New York Winning Females—At the late great Madison Square Garden, N. Y., Show, my birds shown by myself won first hen, second pullet and shape special female. This year birds of my breeding also won at Philadelphia, Hagerstown, etc. They have been winning for years and are better today than ever. FOR SALE—Early hatched pullets and pullet bred cockerels fit to win the early shows. I have an unusually large and fine lot of these early hatched birds of the best of New York winning blood that have the quality in form and barring. Let me price your wants. My breeding cockerels are of highest quality, strong and vigorous. They will please, absolute satisfaction to all. : : Write me, C. N. MYERS, BOX A, HANOVER, PENNSYLVANIA



WE have one of the finest flocks of young stock that we ever had; also a fine lot of cocks and hens and are in shape to supply you with anything you want from utility stock to the finest show birds fit to show in any show. Send for catalogue or get prices on what stock you want before buying. Mention A. P. J.

## S. C. BUFF AND WHITE ORPINGTONS, S. C. BUFF AND WHITE LEGHORNS AND BUFF ORPINGTON DUCKS

Our birds won at New York, Baltimore, Philadelphia and Allentown. Let us supply you with show birds for leading shows. We guarantee satisfaction. Send for catalogue. Mention American Poultry Journal.

Dunrobin Farm, Box 177, Red Bank, N. J.

## "O. K." Poultry Litter

WRITE TO-DAY for FREE SAMPLE Because We Know You'll Use Nothing Else THIS FALL

"O. K." is the most wonderful litter for Hens, Ducks, and Geese. It's cheaper to use and ever so much cheaper than Straw, Clover, Alfalfa, Sawdust, Shavings, or anything else ever thought of for litter.

All the big breeders who try it never go back to anything else because there is nothing else they would use.

## "O. K." LITTER

ABSORBS ALL MOISTURE, DRIES up the DROPPINGS, PREVENTS all ODORS

"O. K." Poultry Litter keeps your houses always dry, clean, sweet-smelling and sanitary. You need no dropping boards, and

CLEAN HOUSE ONLY ONCE EVERY 3 or 4 mos.

"O. K." Litter will not BURN. Lice will not come where it is used. TELL US HOW MUCH POULTRY YOU KEEP—WE WILL TELL YOU HOW MUCH "O. K." LITTER YOU NEED.

Write to-day for the free sample and printed matter. You need them both.

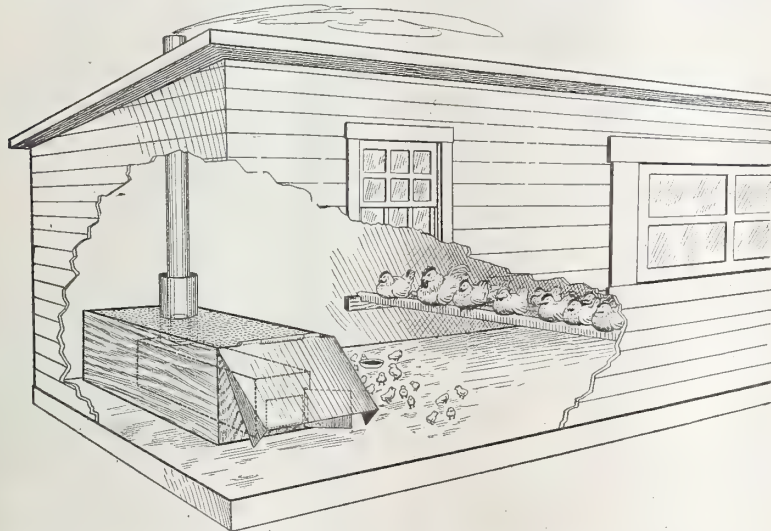
O. K. COMPANY,  
Dept. 183, 157 Water Street  
NEW YORK CITY





Simmons & Crittenden, breeders of Rose Comb Rhode Island Reds for thirteen years, have been particularly successful during the past season in getting that rich red color so much desired in this breed. They have a fine lot of youngsters on hand which are being range raised under ideal conditions and have all the requirements to make them winners and great producers. They have fine head points and grand Rhode Island type. Stock can be obtained from them at reasonable prices. These birds are sired by such males as first cock, also Grand Red Championship male at Pittsburgh, 1913; winner of both shape and color special, and first Pittsburgh cockerel, 1913, winner of first in a class of 35 cockerels. Their Reds have won in the leading shows of the country, and also the silver cup offered by the Rose Comb Rhode Island Red Club of America with 344 birds competing. This certainly proves that they have the quality desired. Write for literature and prices. Address Simmons & Crittenden, Geneva, Ohio.

The Old Honesty Heater Co., of New Washington, Ohio, is manufacturing a heater for colony houses and brood coops which promises to excel anything on the market. This heater will burn anything and is very economical. When installed in a colony house and the floor of the house covered with sand it makes an ideal brooder for baby chicks, as there are absolutely no fumes and no risk of fire. After installing one of these heaters you will find that the egg yield will be greatly increased, and you will also find that bowel trouble in the flock will be en-



tirely eliminated, as this always results from chilling. There is absolutely no expense after the heater is once installed, as they are well made of cast iron and will last a lifetime without repairs. The illustration herewith will give you some idea as to the construction of this heater, and we highly recommend same to all breeders who desire to house their chicks as comfortably as possible. Write Old Honesty Heater Co., New Washington, Ohio, and get their catalog and full particulars. You will not regret it.—H. H. Coburn.

C. A. Keefer, proprietor of the Edgemere Poultry Farm, is still improving and building up his plant. He reports a good business for the past season, being sold out of stock early. Mr. Keefer is one of our oldest Orpington breeders in Buff and was one of the first to import Single Comb White Orpingtons. The Buffs are of the same superior quality which has made them famous; the White Orpingtons are exceptionally white and have grand type. In addition to Orpingtons, Mr. Keefer has started breeding Silver Campines. If you desire some of his stock, write early, as Mr. Keefer is usually oversold. Address C. A. Keefer, Muskegon, Mich.

H. N. Hanchett, formerly breeder of Buff Cochins, now breeds White Wyandottes and Blue Orpingtons exclusively. His winnings at the Madison Square Garden Show last year prove that he has the right kind of stock. He has a large flock of Wyandottes, range grown, which possess grand size and bone, blocky, chubby type, with short, well spread tails, wonderful head points and blood lines to back them. He is ready to fill orders for cock-

erels and pullets for show purposes and also utility birds. In addition to his Wyandottes he has about 100 fine specimens of the Blue Orpingtons. Write him for show birds now if you want birds of either variety. Address H. N. Hanchett, Jackson, Mich.

A. A. Carver, originator of Queen Quality Rhode Island Reds, has the most promising flock of youngsters he ever owned; their color seems to run more even than previous, showing that close selection and restriction is bringing results. Mr. Carver has doubled the capacity of his plant during the past season, and now has what may be termed a small town, which he has aptly named "Carver's Redville." His Reds won at the largest shows in twenty-five states. If you want Reds of quality that will compete with the best in any show room, write A. A. Carver, Seville, Ohio.

Dirk's Red Mite Killer is doing all that is claimed for it wherever used, and the writer can personally recommend it. Mr. Dirk gave me a generous lot to try and it simply worked wonders on a flock of very badly infested hens owned by a friend who tried it. Keep after the pest the year round, and don't let another day go by without ordering some of Dirk's Red Mite Killer. Again, I personally recommend it. Send for circular. Address Dirk's Red Mite Killer Co., M. E. Dirk, Dirk Block, North Baltimore, Ohio.

Mr. Guy Daily was one of the flood sufferers last spring, but managed to raise

over 1,000 of the best White Rocks he ever raised. This could not be otherwise, as year by year he mates up better birds. Mr. Daily has on hand about 200 old birds, 50 of which are cock birds, and fully four-fifths of them are tip-top show birds. His pullets have been laying since July 10 and old stock is molting fine. The Fairview White Rocks have a grand show record and win the lion's share in any competition. If you want winners for early shows, write Guy Daily, Jeffersonville, Ind.

A. J. Fell, West Point, Pa., the well-known White Wyandotte breeder, reports that he has about 1,000 head of young stock that look very promising; some fully matured now and ready for the early shows. His old stock is molting fine and he will have some sensational cocks and hens that can win in any show. He also has some cheaper birds at prices within reach of all. Send for full particulars and mention American Poultry Journal.

J. S. Pennington, Plainfield, Ill., the Golden and Buff Wyandotte breeder, has purchased a new place, where he will have less room, which compels him to dispose of some of his stock at prices that will move them quick. Write him now if you want something to win with. Mention American Poultry Journal.

C. J. Loyd, Greensburg, Ind., the well-known breeder of Partridge Plymouth Rocks, informs us that owing to other business matters that requires his attention he has been compelled to turn his poultry business over to his son, who is well qualified to handle the business in

## O, pickles! Don't read back inside cover PARTRIDGE ROCKS AND BRONZE TURKEYS

The world's leading strains. Stock always for sale. Eggs in season. Stamp for special Rock and Turkey catalogue. Bird Bros., Box C, Meyersdale, Penna.

## RILEY'S BARRED ROCKS

I have exhibition birds growing fit to win any show in the country. This year's breeders for sale at rock bottom prices. Write me your wants.

Henry D. Riley, Box B, Strafford, Chester Co., Pa.

YOU  
CAN  
EARN



A PAIR,  
TRIO OR  
PEN of  
Pure Bred  
FOWLS

We give you your selection of almost any variety and all it requires is a few hours' work securing subscriptions to one of the best 25 cent Poultry Journals published. Here is an opportunity you can not afford to miss. Everyone interested in poultry will subscribe. One agent writes he secured enough subscriptions for a pair of birds in less than two hours' time and that he was offered \$5.00 for them before he got them home. You can do as well. Write today for sample copy and full particulars.

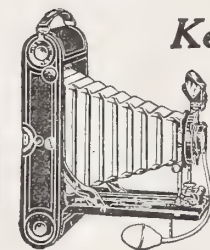
Poultry Post, Dept. 30, Goshen, Ind.



## Have you decided on your brooding system for the coming year?

Now is the time to get busy. You have no doubt heard of the astounding success of the Simplex Brooder Stove. You can have the same success and save money by doing so. Think this over. Save nine-tenths the work, 75 per cent operating expense and raise 20 to 40 per cent more chicks, chicks which are stronger, better and larger than you were able to raise with the old fashioned hover or death trap. Send for our catalogue which tells all about this practical money and labor saving system. Catalogue free.

Simplex Brooder Stove Company  
220 Fourth St. Grand Rapids, Mich.



Keep a  
Kodak  
Record

Preserve for future reference an indisputable record of your crops, your growing stock, the condition of buildings and fences and roads—by means of photographs.

Make sales of your stock by means of photographs; bring home ideas from other people's farms by means of photography.

You can make good pictures by the Kodak system. It's all very simple—and less expensive than you think.

Catalog free at your dealers or by mail.

EASTMAN KODAK CO.,  
418 State Street, ROCHESTER, N. Y.



**ALBERDING'S POULTRY YARDS**

the place to buy S. C. Buff Orpingtons and S. S. Hamburgs, quality the best.

H. F. ALBERDING - N. JUDSON, INDIANA

**Columbian and Buff Wyandottes**

Young and yearlings for sale, of high class, at special price. L. J. MORRIS, Oberlin, Ohio.

**LITTLE'S ROSE COMB REDS**

Winners at New York, Boston, Springfield, Hartford, Brockton and other shows. Can furnish young birds for early shows. Write me. Geo. W. Little, 700 Washington St., South Braintree, Mass.

**S. C. REDS**

Some excellent breeding cocks and ckls. for sale write for prices. O. Holtzapple, Box 4, Elida, O

**R. C. White Orpingtons**

I will close out my D. W. Young strain S. C. White Leghorns, so I can devote my entire time to my R. C. W. Orpingtons. E. O. Heaton, Scircleville, Ind.

**Silver Campines**

Improved Champion Strain, bred from imported stock. Chicago winners. Exhibition and utility stock both old and young. Eggs and day old chicks in season.

**ALICE RAWSON, BIG ROCK, ILL.****CHAMPION S. C. WHITE LEGHORNS**

Have fifty yearling hens to spare and about ten cock birds, all of which I will sell at half price. Also have a fine lot of cockerels coming on. Write me for prices. Mention American Poultry Journal.

J. H. LEFFLER, SHARPSBURG, PA.

**Our S. C. Reds**

MAKE A CLEAN SWEEP at the Northern District of Illinois Fair, September 8-13, winning 1st cock; 1st, 2d cockerel; 1st pullet; 2d hen and 1st, 2d pen. A lot of grand cockerels and pullets for sale.

F. E. GAPEN LOSTANT, ILL.

**WARREN HATCHERY CO.**

We will hatch fourteen varieties in 1914 and we will have a capacity of one hundred and fifty thousand baby chicks. Watch for our December ad.

Joseph L. Heston, Manager :: Springboro, Ohio

**Pine Lodge Farm****Blue Orpingtons**

Winners at all the leading shows

W. H. Depper So. Lincoln, Mass.

**White-Wyandottes-White**

Won at Illinois State Show, 1913, on three entrees 4th hen and 4th pullet; at Inter-State Show, Petersburg, Ill., made a clean sweep, winning all first and second premiums. A grand lot of cockerels and pullets for the early shows, get my prices.

O. A. CARMAN PETERSBURG, ILLINOIS

**BROWN LEGHORNS**

Three first cockerels and two first cocks, Chicago, 1909-10-11.

June Bargains in Best Brown Leghorns—\$10.00 eggs now \$5 per 15, \$5.00 now \$2.50. Not too late to

hatch winners for Winter shows Free circular. Address W. H. Webke, Box P-348, Fort Wayne, Indiana.

every particular. He has a fine lot of stock this season and will try and follow the same policy as his father in treating every customer right. Look up his ad in this issue and write him for what you want.

J. H. Leffler, Sharpsburg, Pa., breeder of S. C. White Leghorns, informs us that he has about fifty yearling hens and ten cock birds that he will let go at half price. This is a bargain for someone. He also has a fine lot of cockerels coming on. Write him for what you want and mention American Poultry Journal.

Harrison's Royal Reds eclipsed all their previous records this past week at the State Fair of Upper Michigan by winning every prize offered on Single Comb Rhode Island Reds. Their wins were as follows: 1st, 2d, 3d, 4th and 5th cock; 1st, 2d, 3d, 4th and 5th cockerel; 1st, 2d, 3d, 4th and 5th hen; 1st, 2d, 3d, 4th and 5th pullet; 1st, 2d, 3d, 4th and 5th old pen; 1st, 2d, 3d, 4th and 5th young pen; special for the best male in the show; special for the best female in the show; special for the best exhibit. In handling the Royal Red pullets, Judge Wells made the statement that the 1st and 2d pullets were the two best he had ever handled. Mr. Harrison has upwards of two thousand Reds to sell. Catalog free for the asking.

**Big Opening Leghorn Win.**

The first great show held in the East is at the New York State Fair, Syracuse, September 9 to 13, where this year over seven thousand birds with four hundred S. C. White Leghorns were on display. This was the first year in the new hundred thousand dollar poultry building, and breeders from far and near gathered in this new poultry palace to try out for the mastery of the year's breeding. When the smoke of the battle had cleared away the Rancocas Farm, Box 511, Browns Mills In-the-Pines, N. J., had swept the field with a remarkable winning on their great Rancocas strain of S. C. White Leghorns.

Their remarkable winning of all five places on cockerel stands today without a peer in such a show of such quality. The complete winning on Leghorns was: 1st, 2d, 3d, 4th and 5th cockerel; 1st, 2d, 3d, 4th and 5th pullets; 1st, 2d, 3d and 4th hens; 4th cock; 1st young pen; 1st old pen.

The Rancocas Farm has three thousand other cockerels, many of them just as good as these noted New York winners. These birds are to be sold as show birds and will not only win in the November and December shows, but will prove great breeders of show birds as well as egg producers for the coming year.

A recent visitor at Rancocas Farm was Prof. T. E. Quisenberry, of the Missouri State Experiment Station, who said, after seeing this great group of cockerels, "that group of three thousand cockerels certainly show vitality as well as ideal Leghorn characteristics."

They are especially anxious to send any of our readers their booklets showing these farms, plans of houses, plan of farm as well as some free advice and suggestions on buying. There is no obligation in asking for this free literature, as they are only too glad to send it and help out other breeders of Leghorns in getting best results.

In addition, the Rancocas Farms won on White Rocks at this big New York show: 1st, 2d and 4th cockerels; 2d, 3d and 4th pullets; 1st and 4th hen; 3d cock; 2d young pen; 2d old pen.

**A Cheap Food.**

If you are looking for a cheap food—not cheap in dollars and cents, but cheap because, although it may cost a few cents more than some other, or the one you mix up yourself, will give you better results in health and egg production than anything it is possible to obtain elsewhere—we recommend Blatchford's "Fill the Basket" Egg Mash. The "mash without a filler." Made at Blatchford's Calf Meal Factory, Waukegan, Ill.

It is a complete dry feed, which will enable your hens to produce every egg it is possible for them to lay. They will be laying all through the cold winter and spring weather, while the "other fellows" will be sitting on the roosts keeping their feet from freezing.

Vigor, health and egg production are chiefly a question of food. An egg is actually the surplus nourishment a hen

**S. C. WHITE LEGHORNS**

A \$10,000 S. C. White Leghorn Farm in Missouri—We have 3,000 birds and will sell eggs for hatching at \$1 for 15, \$3 for 50, \$5 for 100. Will send by parcel post or by express. If by parcel post add one cent extra per egg to cover postage. Free circular. Address

BELLA VISTA FARM, : KIMMSWICK, MO.

**ORPINGTONS**

White, Buff, Black; Single and Rose Comb, 1,000 breeders to close out, at \$1.50 up. Fine show birds, at \$2.00. None reserved, all must go. Eggs, 10 cents each. Mention A. P. J.

J. S. HAUPT'S FARM - BOX 96 - EASTON, PA.

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Prize show birds a specialty. Utility stock from \$2.00 each and upwards. Satisfaction guaranteed. Mention A. P. J.

**DIAMOND POULTRY YARDS**

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**SINGLE COMB REDS****A WONDERFUL FEMALE LINE**

Have been working for years to improve the color in females, and now have a line that will produce a large percentage of very dark even red pullets that hold a good red even color as hens. My birds won at Philadelphia, New York, Altoona, Pittsburg and Buffalo. I bred every female shown in 5 years. Mating list free.

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Reduce your feed bills; feed fresher balanced rations; save  $\frac{1}{2}$  the labor of mixing feeds—made possible only by using an Afton Farm Feed Mixer. It thoroughly blends dry and wet mashes. Metal throughout. Write today for illustrated descriptive folder, tells how to save money by using an Afton Farm Mixer. Vardley Mfg. Co., Box D-51, Vardley, Penn.

**Dr. LeGear's Poultry Remedies Are Sold Everywhere****Dr. LeGear's Poultry Powder**

Makes Hens Lay

Large packages, 25c and 50c

Mix it with their feed regularly and your poultry will remain free from disease.

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First prize winners New York, Chicago, St. Louis and elsewhere. Trap-nest bred for egg production. Stock and eggs for hatching, at all times. Catalogue free

G. A. Clark : Seymour, Ind.



receives, and Blatchford's "Fill the Basket" Egg Mash supplies all the nourishment necessary, with an abundant surplus to be turned into eggs.

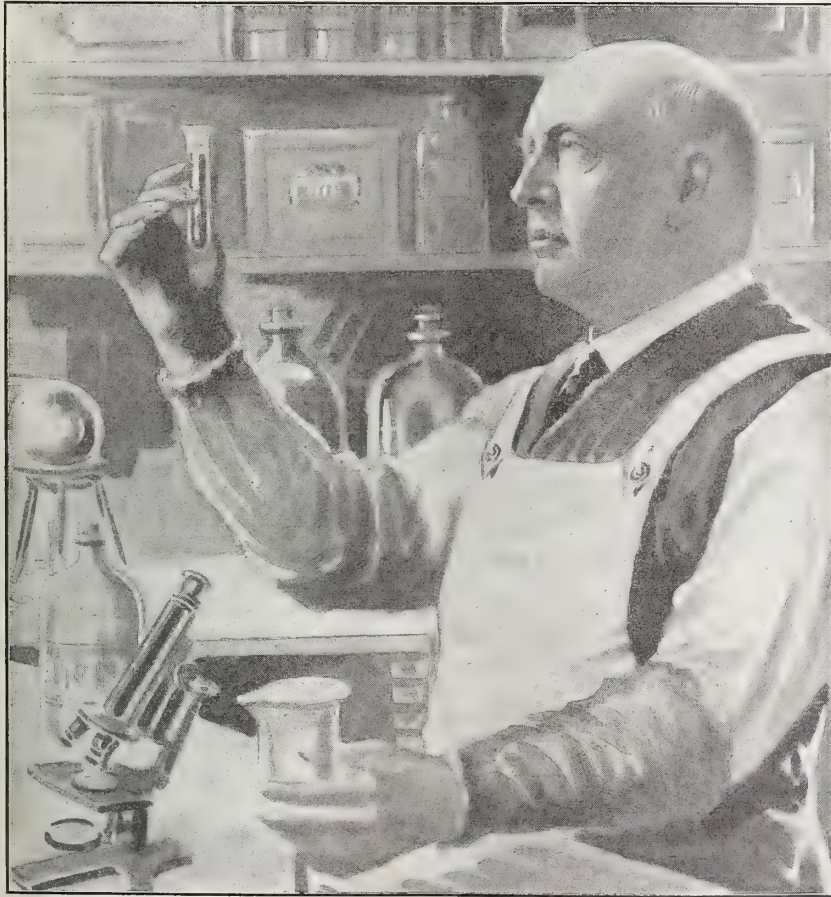
### The Economy of Good Roofing.

Among all the things we use in our advanced civilization it is a curious fact that some of the most important contributors to our comfort we give the least attention to. Take the roof of the house or barn, for instance: Think what is dependent upon the roof. All the furnishings of the home with possibly many treasured possessions as well as the very life of the individuals are protected from rain or snow storms, lightning and other destructive elements by the indispensable roof. The barn, with its stored-up wealth of field and its valuable livestock, finds its preservation impossible without the roof. Yet, strange to say, in view of the importance of the roof, it is given so little consideration. There are those who think that it doesn't matter much what the roof is made of, and content them-

natural asphalt in roofing so as to preserve its durability through all conditions of weather in any climate on the globe. And the man who looks for roofing that will do its full duty without giving him periodical trouble finds what he is looking for when he strikes Genasco. It is unfortunate that it is possible to imitate the surface-appearance of natural asphalt roofing so completely that many people are inveigled into accepting it merely upon its looks; but the man who is on his guard and satisfies himself that he is getting roofing made of genuine Trinidad Lake asphalt can rest assured that he has made a profitable investment.

### A New Form of Shingle.

Having been in the roofing business for over a quarter of a century, and realizing the growing demand for something to take the place of wooden shingles, which are getting more expensive and of poorer quality every day, Bird & Son, manufacturers of the famous NEPONSET Waterproof Building Products, ad-



DR. GILBERT HESS (M. D., D. V. S.) AT WORK IN HIS LABORATORY.

Dr. Hess is one of the most widely known veterinarians in the United States. His scientific stock and poultry preparations—particularly Dr. Hess Stock Tonic and Dr. Hess Poultry Pan-a-ce-a and Instant Louse Killer—are used by millions of farmers throughout the country. That they have stood the test for 21 years is evidence galore that they are preparations of genuine merit. Dr. Hess has written over a quarter of a million prescriptions for the American farmer without charging any fee for his services. This is a monumental work when we consider that the doctor diagnoses each individual case and prescribes accordingly.

selves with this self-esteeming reasoning until the leaks compel quick action. This is the sure fate of cheap roofing. Yet such people are deluded by the attractiveness of low initial cost, not figuring the risk they run to the contents of the building or the time and labor it takes to make frequent repairs. In the long run, however, there dawns upon them the truth of the old adage, "The best is always the cheapest." Then they get wise and begin to look around for the roofing to fill their needs. This state of mind invariably leads them to the choice of roofing made of Trinidad Lake asphalt, for "Trinidad Lake asphalt is reckoned as 'Nature's everlasting water-proofer.'" And judging from the durability of Genasco Roofing, which is made of Trinidad Lake asphalt, this would seem to hit the nail on the head. Science has suggested the method of using this

vertised for many years in these columns, are now making NEPONSET Shingles. These look like a big step in the right direction as the NEPONSET Shingle is made from the old, time-tested NEPONSET Roofing product and is thick at one end and thin at the other. In addition to its excellent wearing qualities, NEPONSET Shingles provide fire protection, while every one knows that a wooden shingle is a fire hazard. Over 25 years ago, NEPONSET Red Rope Roofing, the original ready roofing put up in rolls with complete roofing kit inside, was first made and advertised. 15 years ago NEPONSET Paroid Roofing came into the Market. The NEPONSET line now includes different roofings for every type of building, Waterproof Building Papers and Wall Board. Any one who has a roof would do well to learn more about this new NEPONSET Shingle.

### Did you read back inside cover?

**Big Money** Growing **HELIANTI** the new "wonder plant." Beats ginseng or anything else that grows. Thrives in any soil or climate. Write for full particulars. **Burgess Seed Co., 3 A. J., Allegan, Mich.**

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Have led the way for 20 years. Send for descriptive matter. **Hilldorfer Black Minorca Farm, Saxonburg, Butler County, Pennsylvania.**

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but send to G. B. Smith & Son and get eggs to hatch from their big birds, that lay them big and a lot of them. 3 pens of each, Black and White Minorcas. **G. B. SMITH & SON, Box 454, North Baltimore, Ohio**

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Best White Orpingtons in Iowa. Best Catalogue

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made complete of galvanized iron, non-waste, rat, sparrow, and wind proof. Price, \$3.25 to \$5.25, F. O. B. Chicago. Send for free folder. Mention A. P. J.

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### Poultry Flats

Are sure to revolutionize Poultry raising for profit. Build one and you will always be glad. Not half the work and that done out of wind and weather. Need not move three feet from one spot to water, feed and clean. No brooders to buy. Each flat will brood 600 chicks. Build as many as you like. Raise all you want. One occupies 24x36 feet of ground and includes six runways. They have been erected in every State in the Union. No business today is so safe and sane as the poultry business when properly conducted and you do not need much money to start. One man made \$800.00 the first year from one flat.

If you are not already a subscriber to the Inland, we would like you to send us fifty cents, regular subscription price, and be one of our great family for this coming year or send twenty-five cents and we will put you down for a six months' trial. We know you will enjoy reading our paper every 30 days and besides we will send you this book "Poultry Flats" of over 100 pages, free. You cannot find it anywhere else as we are the sole distributors for Mr. Ott.

If, however, for some reason or other you cannot subscribe for the paper just now, then we do want you to have the book, anyway. Send us ten cents in silver or postage stamps and same will be forwarded to you at once. Under no circumstances build or buy until you have read this book. Read what others say.

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Let Ward quote you a price on that exhibition bird or pen. Remember the best flock of imported birds ever brought to America are in Ward's yards and "blood will tell." : John W. Ward, Box 7, Pennington, N. J.

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THE GREATEST LAYING STRAIN IN AMERICA  ENTER UNITED STATES DUTY FREE

At Storrs' College Laying Contest our five pullets won 2d prize with 1,069 eggs, winning over 35 pens of Leghorns and all Rocks, Reds and Orpingtons entered and were only two eggs behind the winners. Breeding hens from \$2 up. Trapnested hens from \$4 up. Pullets from \$3 up. Roosters and cockerels from \$5 up.

Beulah Farm --: McLeod Bros. --: Box 200, Stoney Creek, Ontario, Canada



First Prize Cockerel and Grand Champion Male,  
Chicago, 1912

### ABOVE ALL THE HENDERSON STRAIN America's Foremost Barred Ply. Rocks

Madison Square Garden, New York,  
Chicago and St. Louis Winners.

This year's Cockerels and Pullets will be  
ready October 1st for the Fall Shows.

IF YOU WANT WINNERS WRITE ME.

WILL SELL ALL OF  
MY 1913 BREEDERS

to make room for my growing stock.

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BRIDGETON, MO. ST. LOUIS CO.

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## MADISON SQUARE GARDEN, N. Y., CHAMPION WHITE PLYMOUTH ROCKS

They Have Won and Improved  
Year by Year

**NOW THEY ARE BETTER THAN EVER** We can please you with exhibition stock so if you wish to win write us and let us make you a proposition which means money to you. Grandcocks and hens and a great lot of choice young that will meet any demand made upon them. A few more selected breeders to sell. Write your wants and let us tell you what we can do for you. Mated trios and pens a specialty. We will please you if you are interested.

### Remember This "Champion" Line

Made its records and reputation at America's greatest show, Madison Square Garden, New York. For several years at Cleveland, Ohio, Philadelphia, Williamsport, Chicago, etc., color and shape specials have been won at all exhibits and we have won five championship specials for best bird in entire shows. Consider this and write us your wants. Absolute satisfaction assured.

Webster Farm, Box A, Girard, Pennsylvania

## Lichtenwalter's Quality Buff Ply. Rocks

They have won at more prominent shows the country over than any other line. Last season they were prominent winners at Madison Square Garden, New York, Springfield, Illinois, (Club Show), Philadelphia, Cleveland, Williamsport, etc. I have birds of quality in old and young and can sell you exhibition birds and selected breeders, assuring satisfaction.

E. A. Lichtenwalter : Box A : Girard, Pennsylvania

### Booming the Old Breeds and Not Overlooking the New.

Booming the old breeds, the odd varieties and giving the new breeds a lift is becoming a mighty good habit of the "Flower City Show" of Rochester, N. Y. In other words, this great national show is drifting rapidly toward an exclusive fanciers' show.

Last year it put its shoulder to the wheel and gave the Houdans a nice boost, and put the Buttercups on the map in a manner never before accomplished for any breed or variety.

This year the Columbian Wyandotte breeders, seeing the good things in store for them and knowing the value of this show as a booming medium, gave it a great complimentary vote and chose the "Flower City Show" for its National Meet. In the odd varieties so far the National Meet of the International Polish Club has been voted to this show, and the indications point to the entries reaching to a thousand and one, with special cash premiums already nearing a hundred dollars, this seems to be well within accomplishment. The First Annual Club Show of the White Face Black Spanish has been voted to be held here, and extra efforts are being put forth to have a grand class. The secretary asks that all breeders of the Spanish drop him a card so the premium list will be forwarded to them.

J. F. Van Alstyne, M. V. Caldwell, Frank G. Bean, Charles Nixon, Rowland Story, H. M. Kenner, Charles T. Cornman, C. J. Andruss, T. F. Jager, and others have so far been engaged to judge. As fast as several other specialty clubs decide for this show for their meets other specialists will be engaged. A hurried scanning of this list of prize awarders would convince most of our readers that it was the Madison Square list.

One more thing that our readers should be acquainted with is the efforts of this show for large classes of pigeons and bantams. Each year the classes are well filled and some years the pigeons run up to 750 entries. It is planned to do better than this for the coming show and to have not less than 500 bantams and 1,000 pigeons. The premium list will be full of specials on these and other varieties.

The dates of the show are December 15th-20th, 1913, and J. F. Tallinger, Box 554, Rochester, N. Y., is the secretary to whom all requests for information and premium lists should be addressed.

Please Don't Read the back Inside Cover



### GIANT HYACINTH FIVE FEET HIGH

What would you think of a Hyacinth that grows from 3 to 5 feet high, with spikes of beautiful flowers 2 feet in length? That is just what we have to offer you. Just imagine such a stately plant—a revelation of beauty. Blossoms later in the season than the common Hyacinth, remaining in bloom during August and September. Strong bulbs produce from 2 to 4 flower stems each season. A bed of a dozen or more bulbs produces a grand effect, and possesses a degree of loveliness which cannot be described. Order now for fall planting. Choice, strong bulbs, 25c each, 3 for 60c, \$2.00 per doz, postpaid. Order today, before supply is exhausted.

Burgess Seed & Plant Co.,

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## Dr. LeGear's Poultry Remedies Are Sold Everywhere

Roupy colds are prevalent at this season of the year.

**Dr. LeGear's Roup Remedy** will cure and prevent Roup, Colds, etc. A sure preventive—an unfailing cure. Price 25c per can.

Ask your dealer.

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## Tolman's White Rocks

Baby Chicks. The Soft Roaster Strain.  
Joseph Tolman, Dept. H, Rockland, Mass.



### How To Make Eggs!!

Prescription No. 4 does the work. It makes hens lay. 5 lbs., enough for 160 quarts of eggs, for \$1, and your money back if not satisfied. 1 lb. 25c. Prevention and Cure for Sore Head and Roup, Prescriptions 1, 2, and 5. Any one 25c., all 50c., and your money back if not satisfied. Nabob Remedy Co., Box A, Gambler, Ohio.

## FALL

hatching is a success if you let the Magic Egg Tester pick out the eggs you are going to use. If you buy now you get the longest time for trial. One Tester (with absolute guarantee), by mail \$2.00. Your money back after trial if desired. Ask for circular and testimonials. Mention A. P. J.

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Demonstrated, proved and sold at Poultry Shows by large Poultry Supply Houses in America, Europe and Australia.

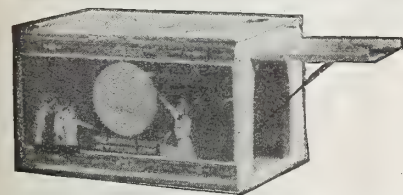
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- 1 Beef Scrap " " "
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All bright new goods, and delivered right to your door without any further charges.

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For their eggs, of course. Then why feed hens that don't lay eggs?

### The Eureka Nest Trap

will show you the hens that lay the eggs and increase your profits by reducing your feed bills, can be readily attached to any box or nest. Sent to any address on receipt of one dollar for two nest-traps including leg bands. Special terms to agents. Mention Am. Poultry Journal.

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### At Ohio State Fair.

The special cash prizes offered to breeders of "Premier" Partridge Wyandottes by Sheffield Farm, Glendale, Ohio, aroused considerable interest and enthusiasm, as is shown by the fact that in a large class, of unusually good quality, at the Ohio State Fair, five of its exhibitors were breeders of the "Premier" strain. Mrs. Donna Hanley, of Mechanicsburg, O., won \$100.00 in these specials, being awarded 1st on cockerel, pullet, hen and pen, four firsts on five entries. Dr. L. E. Baker, of Mechanicsburg, O., won the \$25.00 special on 1st cock. Mrs. Hanley, Dr. Baker, and all of the Partridge Wyandotte exhibitors are to be congratulated on the excellent showing they made with their favorites. Similar cash prizes, that is, \$25.00 each on 1st cock, hen, cockerel, pullet and pen, will be awarded at the New York and Illinois State Fairs to exhibitors of "Premier" Partridge Wyandottes, who have purchased eggs or stock from Sheffield Farm, who will not compete at these fairs.

### A Phenomenal Winning.

At the late New York State Fair the Regal White Wyandottes made a great sweep, winning twenty-eight prizes out of a possible thirty, including all the first and second prizes. This, together with his winnings in previous years and also his big Boston winning last winter, should emphasize the superiority of the Regal White Wyandottes. We hardly believe it necessary to comment further, as the above record speaks for itself. Send for catalogue to John S. Martin, Box 51, Port Dover, Ont., Canada.

We hear from Wm. Cook & Sons, originators of all the Orpingtons, Scotch Plains, N. J., that they have more young, and better stock than they have ever had before, also the results of Mr. P. A. Cook's mating of birds on their English Plant have been very successful, as they are mated specially for American requirements, as the average imported birds are not good for the American show. This firm intends exhibiting for competition at a few shows this season and are giving a number of \$50 cups for the best Cook Orpington in the show. Nashville, Tenn., and Birmingham, Ala., are two of the first shows to have these cups awarded at. They had very successful business at the Atlantic City, summer Poultry Exposition.

Aug. D. Arnold, Dillsburg, Pa., writes us that he has a grand lot of White Favories and Golden and Silver Campines to spare this season. This season he put out over 3,000 eggs on twenty-five different farms. Most of these farms are along the foot of the beautiful South Mountain and the birds have free range over thousands of acres of shade and grass runs, with insects in abundance. These birds will all come to Mr. Arnold's plant between October 1st and November 10th and will be full of health and vigor. All who wish birds of above varieties should have orders booked for shipment at that time. Mr. Arnold wishes to sell early and will make prices right.

Osbun Poultry Farm Co., Mansfield, Ohio, breeders of White Rocks, Single Comb White Leghorns and Indian Runner Ducks are offering 1,500 old and young birds for sale that are bred for winter egg production especially. The coming season they are planning on going into the baby chick business quite extensively as they have at the present time 12,000 egg capacity and expect to double this at an early date. They are planning to be able to furnish day old chicks of all the leading varieties in any quantity desired. Write them and mention American Poultry Journal.

The F. L. Poultry Farm, Verona, Pa., breeders of Rhode Island Reds, report having about 800 as fine youngsters as they ever raised. Among them some crackerjacks that will be heard from the coming winter at the large shows. Reports from their customers the past season are very flattering, both on eggs and baby chicks. When writing them mention American Poultry Journal.

### A 3-Month Trial Subscription

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## GRANNIS BROS.

Bryn Mawr Park, Yonkers, New York  
White and Buff Orpingtons, White Wyandottes, White Leghorns, Single and Rose Comb R. I. Reds.

## Skinner's Standard White Wyandottes

There's reason in all things except paying your good money for culls. That's foolishness, when you can get Skinner's Standard White Wyandottes for little money. Write for my prices.

F. E. SKINNER SANDWICH, ILL.

## The Paradise Way

Insures greatest success in hatching chickens. Satisfied customers throughout the world. Write now for big free circular.

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Constant winners at Madison Square Garden, N. Y., for years. Old and young stock for exhibition for sale. Send for catalogue and prices.  
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## Build Your Own Incubator

WANT to send every poultry raiser my large free book on home incubator construction. As easy as A. B. C. Thousands of leading poultrymen use no other machine. I want to show you how my patented Lamps, Regulation, Thermostat, Tanks, Egg Trays, etc., will save you money, time and worry and give you bigger hatches. Write for FREE book of incubator plans today.  
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The most thorough, quickest, Mash and Grain Mixer made. It whirles the materials around, and back, and forwards, so that every particle is thoroughly mixed. Absolutely no other mixer to compare with the "CORNING" in any way, 3 sizes—HAND POWER, capacity 12 quarts, \$15.00; HAND or POWER, capacity one bushel, \$50.00; two bushel capacity POWER MIXER, \$75.00. Every breeder of any size needs a real mixer, a Corning Mixer. It saves time, feed and money, and gives so much better results from your flock than you can secure in any other way. ILLUSTRATED CATALOGUE FREE. Write to day.  
WILSON BROS., Dept. C. C., Easton, Pa.

## A Positive Necessity Carter's Green Food Feeder

Capacity 1/2 bushel Cabbage, Beets, Clover, Suet, Meat Bones, etc. Can't injure head or comb. Green Food thrown on floor or in pans is half wasted, gets foul and is unfit for food.

Winepeg, Manitoba, Jan., 1913  
Dear Sir: Money order enclosed. Send another dozen Green Food Feeders. They are just right. A. STEWART.

Price 30c. each. \$3.00 per dozen delivered free to you. Guaranteed satisfactory money refunded.

A. Q. CARTER  
Freeport, - Maine  
Patent Applied For

## Closing Out Sale

Am sacrificing all my White Rocks and White Wyandottes, as I will discontinue these breeds. All stock is from "best strains" and contains many prize winners. Will sacrifice for one-third their values. Also some special bargains in Buff, Black and White Orpingtons from this years pens. Write quick and get first choice. Mention A. P. J.

F. B. CRAWFORD  
Box 115 A Rahway, N. J.





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**W. A. BODE PRINTING CO. BOX 176, FAIR-HAVEN, PA.**

## Wingold Buff Orpingtons Buff Wyandottes

Special—200 cockerels, all nearly solid Buff and grand even color at \$3 to \$5 each.

**F. A. Poertner, R. No. 6, Berea, Ohio**

### You Can Earn a Good Living Raising Poultry

Cut down living expenses—raise poultry for your own use and for sale to neighbors. Thousands make money this way with

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Which hens are laying? Mark 'em with leg bands and you'll know. Sell the non-producers.

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The Keyes-Davis Co., Inc., Dept. 502 Battle Creek, Mich.

Petaluma, Calif., July 26, 1913.

The Succulenta Co., Newark, N. J.

Gentlemen:—I have your favor of June 30, 1913; also the 5,000 Succulenta tablets, to which I have delayed acknowledgment until I had observed the effect of the tablets upon my neighbors, Mr. Adams' chickens.

His chickens were certainly badly run down and it was a severe test, but I am glad to say that they are showing the excellent tonic effects of this form of green-food. I expect they will also show a gain in egg-yield.

My own flock are doing fine. They had materially decreased their egg-yield owing to the want of greens. They have, with "Succulenta" tablets, entirely recovered and during this month I am getting 50 per cent., which is in advance of what would be expected at this season of year.

I find that I am being compelled to give considerable time to explaining the Succulenta tablets to the chicken-ranchers and I have trouble to keep the small supply I have on hand. Today I had to part with a can of 500 tablets to the Superintendent of our big mill and supply house.

Thanking you for your kindness and courtesy, I am,

Yours truly,

HARRY L. NEALL.

Fred A. Poertner, proprietor Buff Poultry Farm, Berea, Ohio, informs us that the "Wingold Strain" made another grand record at the great Forest City Fair, Cleveland, Ohio, when his Buff Orpingtons won first pen, first and third cockerel and second pullet in the strongest competition he ever met with. The pen that won first is the same pen that won first at St. Louis in 1912 and first at Cleveland in 1912 and 1913, thus making four exhibitions without defeat in fast company. This farm makes a specialty of breeding Buff Wyandottes and S. C. Buff Orpingtons.

"Poultry Raising" is the title of a very neat, well-printed 16-page and cover booklet issued by the Land and Industrial Department of the Southern Railway. The rules and advice given in this booklet are the results of the practical experiences of successful poultrymen and government and state experiments. Copies of this booklet will be sent on request. Address M. V. Richards, Land and Industrial Agent, Southern Railway, Washington, D. C.

George W. Little, the Rose Comb Rhode Island Red breeder of South Braintree, Mass., informs us that he is now nicely located on his new farm and has a fine lot of young birds ready for the early shows; all bred from "Sensation" and "Supreme." By careful breeding and selection he greatly improved this strain. Write him and mention American Poultry Journal.

Iowana Farms, Davenport, Iowa, report the following grand winnings on their White Orpingtons at the Iowa State Fair, Des Moines, August 20-28, 1913: 1st cock; 1st and 2d hen; 1st pen of fowls; 1st pen of chicks; 2d and 3d cockerel; 3d pullet. Competition at this fair is always strong and a winning like the above is worthy of attention as it shows the quality of the stock that is being produced on this up-to-date farm.

### A Free Sample Copy

Of the Reliable Poultry Journal, one of the most practical and helpful poultry papers published, will be mailed upon receipt of a postal card request.

A 3-months' trial subscription will cost you only ten cents. Stamps are acceptable. Address Reliable Poultry Journal Pub. Co., Box E-13, Quincy, Ill.

I. Brooks Clarke, the well known Buff Orpington breeder, has made a change and our readers are requested in the future to address The-Egg-A-Day Farm, Rahway, N. J. Mr. Clark has some fine large show birds he is offering at very reasonable prices. He showed a seven and one-half pound cockerel at the recent Greater New York Show which was among the winners.

## F. L. Poultry Farm

Rhode Island Reds (both combs) now on sale, young and old stock, some crackerjacks. Write your wants. Mention A. P. J.

**F. L. OBER R. F. D. 1 Verona, Pa.**

You're out! if you read back inside cover

## SILVER CAMPINES

To Our Customers: Last season we were compelled to return thousands of dollars because of the demand for Campine eggs. We will mate this season in January, and those we could not supply last season will have first call if they will order in December. These wonderful birds are here to stay and you should get "In the Swim." The Rockland Campines always win. Ridge Egg Farm, West Nyack, N. Y.



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### S. C. W. LEGHORNS

exclusively. No more pullets but we still have some vigorous healthy yearlings that we are closing out at \$10.00 per dozen. Vigorous free range cockerels at \$1.50 each. Write for catalogue.

The Elliott Poultry Farm  
 R. F. D. 7 Mansfield, Ohio

## Columbian Wyandottes Silver Campines

100 choice Columbian yearling breeders and pullets at \$1.50 each, mated to suit from Columbus and Cleveland winners. A few selected campine females and cockerels for sale. Mention Am. Poultry Journal.

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**F. L. SAVAGE BOX 14 St. Charles, Ill.**

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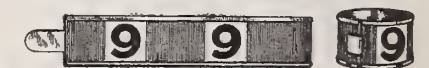
I have an extra fine lot of young stock this season. Splendid cockerel bred cockerels and pullets with up-to-date barring. Pullet bred cockerels of the very best quality. Prices most reasonable for quality. Let me know your wants. Mention Am. Poultry Journal.

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 Fred Erdman, Prop., Normal, Ill.**

## PATENTS

Advice free. Terms reasonable. Expert service. Write me before you apply for a patent. Mention this magazine.

**LESTER L. SARGENT, Registered Patent Attorney, 718-12th St. N. W., Washington, D. C.**



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Big Black Figures on White Background. All colors, all sizes, for all fowls, and pigeons. Birds identified without handling. Saves time and labor. Baby chick bands 18 colors, not numbered. The best band in the world to-day. Samples and catalog 2c stamp. Mention A. P. J.

**A. P. Spiller : Dept. A : Beverly, Mass.**

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By Preventing Colds you will avoid loss among your young stock. Many a show bird or good layer is lost because of a neglected cold which develops into Roup. Use

### Essex Model Roup Remedy

in the drinking water. Acts as a tonic and remedy. Three sizes, 25c, 50c, \$1.00. Postpaid, or at your dealers.

This is only one of our many Laboratory Specialties for Poultry. Send for a copy of our large Illustrated Catalogue and Poultry Book describing them and other goods we manufacture. It tells how to recognize Poultry Diseases, and to cure them.

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Canadian subscribers add 75 cents and foreign subscribers \$1.50 extra for postage.



## Cincinnati, Ohio, Show.

The next great Cincinnati show will be held at Cincinnati, December 1st to 8th, 1913. There will be over 100 beautiful silver cups and other valuable prizes. A silver cup is offered on every breed and variety besides the five cash prizes. The Music Hall is one of the finest show rooms in this country and is so well lighted the birds can be seen at night as well as day. Cincinnati is in the heart of one of the richest sections of the United States, easily reached from all points. It is the gateway to the south. Don't fail to get your birds ready to show with us. Every premium guaranteed. The best of cooping and judges.

The premium lists will be out October 25th. Send your name in for one. Premium lists will be sent only to those who ask for them. W. C. Pierce, Secretary-Treasurer, 825 State Life Bldg., Indianapolis, Ind. E. B. Rogers, president, Cincinnati, O.

## Buffalo, N. Y., Show.

The Greater Buffalo Poultry Show will be staged at the Auditorium, Buffalo, N. Y., November 25 to 29, 1913. The association has been incorporated. The officers are: President, Jas. O. Moore, Buffalo; vice-president, Major Hugh A. Rose, Welland, Canada; treasurer, H. W. Pottle, Buffalo; secretary, J. H. Dreyenstedt, 506 Electric Bldg., Buffalo, N. Y.

Among the other officers are such well-known poultrymen as Geo. Urban, Jr., Robt. Essex, John S. Martin, Jos. Russell, Lew H. Bown, H. W. Alt, etc. The names of such well known men are in themselves a guarantee that Buffalo will be "a show leader."

The object of the new association is to hold in Buffalo each year a high-class poultry exhibition, conducted on strictly business principles, where breeders from the north, east, south and west, as well as from Canada, can annually compete for the liberal regular and gold special prizes to be offered by this new organization. Furthermore, as many breeders have arrived at the conclusion that some of our winter shows are held too late in the season, and too many are crowded into one month, the management of the Greater Buffalo Show has decided to extend the show season by holding an earlier show, believing that no better time for holding a poultry exhibition could be selected than Thanksgiving week.

The finest corps of judges ever engaged for any show in the United States or Canada, has been engaged, including specialists from both countries. The judging list is as follows: W. B. Atherton, Boston, Mass.; Chas. D. Cleveland, Eatontown, N. J.; W. C. Pierce, Indianapolis, Ind.; F. L. Platt, Toledo, Ohio; J. W. Andrews, Dighton, Mass.; L. G. Jarvis, Hamilton, Canada; Wm. McNeill, London, Canada; W. H. Card, Manchester, Conn.; A. J. Braun, Syracuse, N. Y.; W. C. Denny, Buffalo, N. Y.; W. G. Minch, Carlisle, Pa.; F. D. Maunder, Buffalo, N. Y.; A. O. Schelling, Buffalo, N. Y.; H. J. Fiske, Sterlington, N. Y.; Geo. H. Burgott, Lawtons, N. Y.; Geo. W. Webb, Rochester, N. Y.

One of the features of the show will be the display of hares. The New Zealand Red Hare Club offer \$250 in cash as special prize money.

For premium list and entry blanks, address J. H. Dreyenstedt, 506 Electric Building, Buffalo, N. Y.

## Licene Kills Lice and "Nits."

When other lice killers fail, try Licene. It does the work every time. Send to the Licene Co., 1500 Pontiac Building, Chicago, Ill., for a tube of Licene, price 50 cents, and they will send you enough Licene for 200 birds. This firm will refund your money if you are not satisfied. Mr. E. B. Thompson, president of the American Poultry Association, says:

I have tried Licene with the best of results; it is a most excellent preventative of lice and a quick and rapid exterminator. Licene should have a great sale to poultrymen, who must appreciate its value after being tried.—E. B. Thompson.

R. J. Elliott, Mansfield, Ohio, breeder of Single-comb White Leghorns, informs us that, owing to the great demand for day-old chicks the past season, he sold a little closer than usual, and as a result did not raise as many as he generally does and will not have any pullets for sale at any price, but has a nice bunch of vigorous, free-range cockerels to dispose of and a few first-class

breeding hens to sell. He states that this has been the most successful year he has ever had and looks forward to a very prosperous season.

## The Automatic Sanitary Trap Nest.

A complete demonstration of the merits of the Automatic Sanitary Trap Nest was given at the Minnesota State Fair where the company exhibited the nest with a pen of hens operating the same. The exhibition was the principal feature of the poultry department where all poultrymen had the pleasure of seeing hens using a trap nest which required no attention whatever on the part of the owner, each laying hen separating herself from the non-layers, protected while occupying the nest, which automatically re-opened the moment it was vacated by the hen. A similar exhibition will be given at the great Chicago show in January next.

For free booklet descriptive of the nest, address Automatic Sanitary Trap Nest Co., Duluth, Minn.

Archwood Yards, Cleveland, Ohio, breeders of the Original Sussex Strain of S. C. White Orpingtons, report having raised a large number of very choice exhibition and breeding birds this season, and call particular attention to one cockerel, sired by

Regal Lad, that surpasses anything they have ever raised. He is grand in type and superbly furnished, and will be sold at a reasonable figure. They also have two daughters of Lassie Girl that, from all appearances, will excel their mother. These are for sale at a reasonable price. Write them for full particulars, and mention American Poultry Journal.

After eight years of hard work, the Glen Poultry Farm, Fairport, N. Y., breeders of White Plymouth Rocks, assure us that they have built up a strain that can hold its own with the best in the country. They have about 300 choice specimens to pick from this fall and therefore will be able to satisfy the wants of all customers, and assure us that they will give all orders, large or small, their personal attention. Write them for full particulars, and mention American Poultry Journal.

J. B. Greenan, Deckerville, Mich., breeder of high-class White Wyandottes, reports that he has for sale about 25 cocks, 200 cockerels, 200 pullets and 100 yearling hens that are good ones. He states these are the finest lot of birds he ever raised. Some of the cockerels are now ready to show. If you want something good at a reasonable price, write him and mention American Poultry Journal.

# Win With Good Layers

THERE is no need to keep White Leghorns that are not good layers just because you want prize winners. Ferris Leghorns have been bred for eggs and exhibition more than thirteen years. They have been trapnested and only the best layers used for breeding for so many years that laying qualities are bred in the bone.

Trapnested records of 160 or more eggs a year are required from all our best exhibition birds. We never breed from birds that fall below this standard, no matter how good they are from an exhibition standpoint. This is why the laying qualities of Ferris Leghorns are so widely known. Size, health, vigor are present in every bird—we raise no other kind.

Standard qualities are given extra attention. If you could see the hundreds of fine exhibition birds we have for sale you would find just the birds you have always wanted. They have splendid shape in every section—good heads, long concave backs, low wide spread tails. Their plumage is perfectly white, their shanks are a deep yellow. They are the kind that are winning for our customers all over the United States in strongest competition.

## Ferris Leghorns Win

Here are a few of the recent winnings that help establish the superior quality of Ferris Leghorns:

**Iowa State Fair, August, 1913**—Silver cup for best cockerel and numerous other prizes.

**Maryland State Fair, September, 1913**—First and second cock, first and second hen, first pullet.

**West Michigan State Fair, September, 1913**—First and second cock, first and second cockerel, first and second pullet, first pen.

**West Virginia State Fair, September, 1913**—First and second cock, first chl

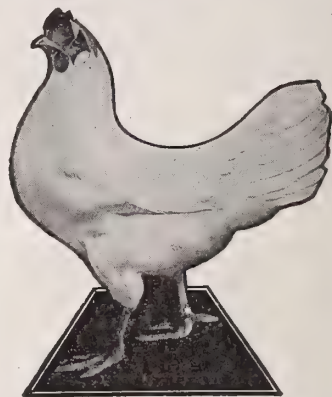
We will exhibit at twenty or more of the leading fairs and shows this fall and winter. Watch our winnings and remember we can furnish equally good birds for your show.

Prices are reasonable. We have good breeding cocks and cockerels at \$5, \$7 and \$10. Good exhibition males at \$15 to \$30. Pullets and hens for breeding, \$2.50, \$3.50 and \$5; for exhibition, \$7.50 to \$15.

We ship on approval—Your money back if not satisfied. We also insure all stock for thirty days—Replace free all that die or become ill.

You should have a copy of our 132-page catalog. It is the most complete White Leghorn catalog ever published. It gives prices and description of all grades of stock—tells you just what we have to sell. It also gives a lot of information that may be of interest to you—how we feed and house our stock, how we breed for eggs, how we produce exhibition stock, etc. Write a postal today and let us prove to you that Ferris Leghorns will suit you. You will be surprised at the low prices we will quote on the stock you need.

**George B. Ferris, The Ferris Leghorn Farm**  
905 North Union Street :: Grand Rapids, Michigan





### A Day at the Aldrich Poultry Farm.

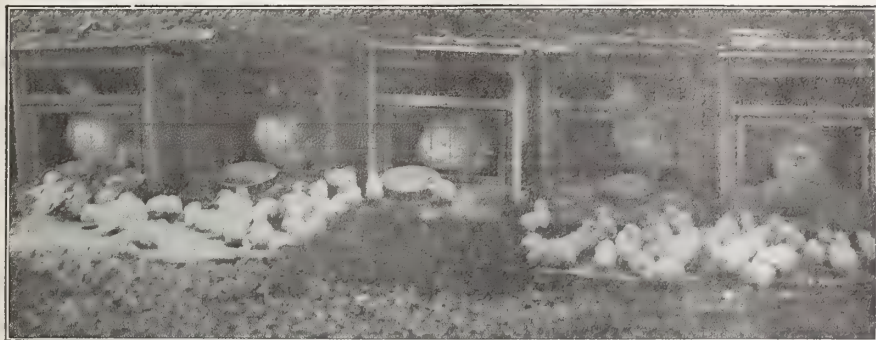
I had been looking forward to my visit at the famous Aldrich White Orpington Farm at Columbus, Ohio, with a great deal of pleasure, as I knew I would see the finest flock of White Orpingtons, both young and old, that I had ever seen, and to say the least I was not disappointed; and I only wish I could take my readers in person to visit this down-to-the-minute poultry farm, where quality is the watchword, and where everyone connected with the business is enthusiastic, hard at work, and where the men whose money is invested do the important work themselves, and do not trust to inexperienced help, and whose chief aim is to satisfy their customers.

This famous farm is ideally located 6 miles north of Columbus, on the C. D. & M. Interurban, and consists of 23 acres

Horticultural Society, and for four years vice-president of the State Horticultural Society. He has retired from the practice of law, and gives his time to the business of the firm, and he is a life member of the American Poultry Association and member of the executive board of the White Orpington Club.

Their superintendent, Mr. Len Rawnsley, is a born poultryman, his father and grandfather having been noted fanciers and judges at the leading shows in England, and he has been at the head of leading farms in England and Canada.

The members of the firm have spared no expense or labor to perfect their strain, and to breed up a perfect type of the White Orpington, and the result is seen in their wonderful flock of youngsters of this year, which, it is believed, have never been equaled upon any White Orpington farm in the world.



BROOD COOPS AND CHICKS ON THE ALDRICH POULTRY FARM

of land, well drained and with plenty of shade and clover and blue grass in the large yards. All of the buildings on the farm are the most modern, and we do not believe there is a better arranged or equipped plant to be found anywhere.

The owners of this farm are all men of means and education, and are devoting their entire time and energy in perfecting this one breed, and to this lies in a great degree the secret of their success, and the wonderful quality of their birds.

Mr. O. W. Aldrich, the senior member of the firm, is known in many branches of business; a lawyer admitted to the bar of Illinois, Ohio, West Virginia, District of Columbia and the Supreme Court of the United States, professor of law in Ohio State University for years, and was for 7 years president of the first interurban railway entering the city. He has been president of the Columbus

I asked the superintendent, Mr. Rawnsley, how it was possible to breed and rear such a magnificent lot; he said: "no other farm ever had such a great number of fine birds for the foundation stock, and the greatest care has been taken in the mating, following the rules that have brought the cattle, sheep and horses up to their present perfection. No bird with white in lobe, or blue in leg, is used, and only those true to type are mated." When hatched they are reared by the Aldrich system, which is given in the booklet "From the Shell to the Show-Room," which is sent to every one of their customers. Every bird sent out is conditioned under the charge of Mr. Rawnsley, and the result was seen last year in their wonderful winnings at the leading shows.

The Aldrich Poultry Farm has succeeded in perfecting their strain in so

far that they are exceptionally well combed, have perfect colored eyes, very heavy bone, great width of back carried well back to the tail, with full round breasts and deep keels, and the birds of this strain are exceptionally white and up to standard weight, and exceptionally free from white in lobe, side-prigs or blue legs. This strain has also been very carefully bred for heavy egg production, and all matings are carefully trapnested to this end. Every fancier who has been much in the show-rooms of the country during the last three years will bear me

### MOUNT PLEASANT FARM S. C. W. LEGHORNS

#### BRED-TO-LAY

1,000 breeders, \$1 each; pullets, ten weeks old, \$1 each; cockerels, ten weeks old, \$1 each. Safe delivery and satisfaction guaranteed. Send for our free booklet, "Modern Successful Poultry Farming."

Mount Pleasant Farm : Mount Pocono, Pa.

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Keep your poultry dry and warm—you can't do it with a leaky roof over them. Now, before winter, is the time to fix it up, while you can get Galvo Brand Rubber Roofing at this special Introductory Price.

**108 Square Feet of Best Galvo Brand 1-ply Roofing 65c**

**FREE** Nails and Cement Furnished Free. No Better Roofing At Any Price.

Galvo Brand Roofing will stand the test. Fully guaranteed. Easily and quickly put on to last. No experience or special tools needed. Figure your needs and order today. If heavier grade is wanted

108 sq. ft. 2-ply, 85c; 108 sq. ft. 3-ply, \$1.05. We also handle a fine line of other roofings; Red and Green Slate and Flint Surface, etc. Write for catalogues and prices.

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Always the most popular among the leading poultrymen everywhere, "Pittsburgh Perfect" Poultry Fence is to-day, with its many improvements in quality of steel and galvanizing, the strongest, most enduring, best looking and most satisfactory of any fence made for the purpose. It keeps your birds within bounds, absolutely safe from prowling animals, and strings without trouble, up hill or down dale, because the wires at every joint are

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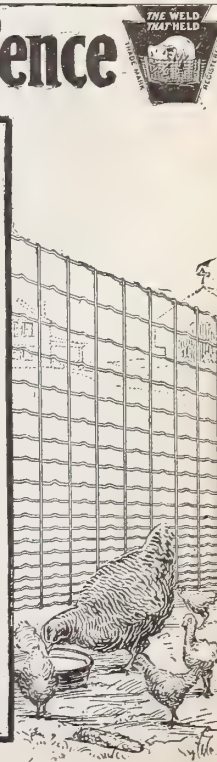
into a continuous, *one-piece* fabric. The many advantages of this method of making fence are found only in "Pittsburgh Perfect."

#### SEE IT AT YOUR DEALER'S

Test the wire in ANY kind of fence before you buy. Our new catalogue—sent free—explains some simple but conclusive tests you can easily make yourself, and so insure your investment. Write for a catalogue to-day.

### PITTSBURGH STEEL CO., PITTSBURGH, PA.

Makers of "Pittsburgh Perfect" Brands of Barbed Wire; Bright, Annealed and Galvanized Wire; Hard Spring Coil Wire; Twisted Cable Wire; Straightened and Cut Wire; Telephone Wire; Fence Staples; Poultry Netting Staples; Regular Wire Nails; Galvanized Wire Nails; Large Head Roofing Nails; Bale Ties, and "Pittsburgh Perfect" Fencing.





out in the statement that better White Orpingtons have been seen throughout the country since the Aldrich strain has been the standard by which the variety is judged than formerly.

In looking over the young stock I was particularly impressed with the very high percentage of good eyes, and the neatness of comb, as at least 90 per cent of the flock had red eyes and low 5 point

combs, and this is an important point with all Orpington breeders, as combs of great size are not to be desired, as they tend more or less to side sprigs, thumb marks and too many serrations.

At the time of my visit, September 1st, there were 100 hens and 100 cocks all through their moult, and already conditioned for the early shows, and 500 hens rounding into shape for later shows, and

there were all the famous winners at all the largest shows in America during the last two years; there were about 600 pullets and 500 cockerels, at least 80 per cent of which would grace any show in America, and plainly show their superiority over even the famous winners from which they were bred. I noticed one pullet, hatched February 4th, which is the best White Orpington pullet I ever saw, almost perfect, and one of the best pullets ever bred in the world; her head points were perfect and she was white as snow, with every bone and the true Orpington type, and she will score 97½ to 98 points. She weighed 7¼ lbs. and will surely cause a sensation in the show room this season. There were a large number of pullets of different ages which promised to equal her in every way that will be ready for the big shows.

There were a large number of cockerels in their small conditioning coops, several of them weighing 9½ lbs., and all up to standard weight in six months; several pens of March and April hatched cockerels weighing 7 to 8 lbs., and they were excellent in type and as white as snow, although they had run at will in the sunlight, thus showing that although sun is a great conditioner for white birds, the Aldrich White Orpingtons are bred white and stay white, regardless of sun, season, or weather. I saw several pens of pullets that were hatched in February that had been laying since July 28th, and a large number hatched in March ready for shows now. All of these birds were bred from the New York and Chicago winners of last season, and all were banded and marked, and a record is kept of the mating entry bird is bred from. We are safe in saying that there were 300 cockerels and 400 pullets that for type, color and show characteristics are seldom met with, and we don't see how it would be possible to produce better birds, and with the perfect care and attention these birds are receiving they will round into the greatest bunch of exhibition birds that have ever been produced. They were all hen hatched and hen reared.

The whole farm shows thrift and everything is where it should be. The size of the plant has been enlarged about one third since last season, and there will be 40 pens mated for the egg trade after November 1st.

Owing to the wonderful success in raising so many good ones, birds will be sold about 50 per cent less than last season; during the last two weeks in August orders for over \$2,000 worth of stock were booked for the early shows, and every bird that had left the farm this season had won for their customers in such shows as Winnipeg, Brandon, Canada; Ohio, Indiana and North Dakota State Fairs, and we can truthfully say that anyone wanting winners for any show in America in White Orpingtons can do no better than send to this famous farm and get their prices.

The earlier you can place your order, the better selection you can get, as the trouble is not to sell the stock on this farm, but rather will the supply equal the demand, so they can take care of all their customers. We trust that those of our readers who have an opportunity to visit Columbus will not fail to visit this farm, as it is worth your time and you will enjoy every minute you are there.—H. H. Coburn.

C. J. Loyd & Son, Greensburg, Ind., breeders of Partridge Plymouth Rocks, have several hundred of the finest young birds they have ever raised, many of them that are ready to go against hot competition in any show. They are better prepared than ever before to furnish high quality at a reasonable price. All inquiries will receive prompt and careful attention and satisfaction guaranteed.

H. A. Keister, Bangor, Mich., breeder of Rose Comb Black Minorcas, has a number of extra fine show cockerels and pullets hatched from his last season's winners that will be ready for the early shows. These birds show nice, small, well-pebbled combs, long, sloping backs, with low-carried tails. His stock is in fine condition and has the range of his 25-acre fruit farm, which assures health and vigor. Write him for what you want and mention American Poultry Journal.

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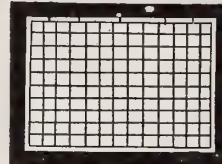
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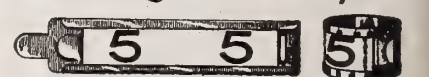
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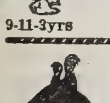
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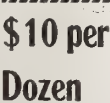
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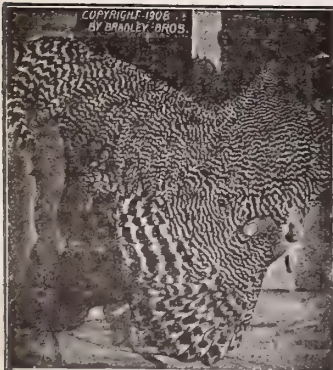
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Gentlemen: You certainly deserve great credit for publishing such an excellent Year Book. Judging by its merits, it should meet with great success. Sincerely yours, A. G. Studier, Editor R. I. Red Journal, Waverly, Ia.

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## "The Poultryman's Encyclopedia"

is one of the big features of the book, giving a complete description of 29 common diseases of fowls, their causes and cures, explanation of all technical terms used in the poultry industry, and also treating briefly but fully such subjects as How to preserve eggs, Making feeding sprouted oats, Soft-shelled eggs, Right size of poultry house, Broilers, Broken legs, Curing broody hens, Care of setting hens, Capons, How to stop cock crowing at night, Cocking and pullet breeding, Double and single mating, Color feeding, Colony houses, Contents of egg, Copulation, Crate fattening, Dust bath, Egg bound, Egg and feather eating, Feed for fattening, Grit, Flavor of eggs, Incubators and cellars, Influence of the sexes, Insect pests, Killing and dressing poultry, Mash feeding, Molt, ing, Nests, Perches, Scratching sheds, Sitters and non-sitters, Telling the sex, Removing spurs, Watering devices, Ventilating houses, How to give medicine, Scaly legs, etc. All the above and many more items are arranged alphabetically for instant reference, making it truly a Poultryman's Encyclopedia.

## Printing and Binding

The Year Book is printed on high grade creamed book paper and the binding is linen thread sewed to make it flat opening. There is nothing cheap or trashy about the book as no expense was spared to make it a representative of the best present day standard of artistic printing and worthy to be handed down to posterity as an example of what the best printer could produce in the year of 1913.

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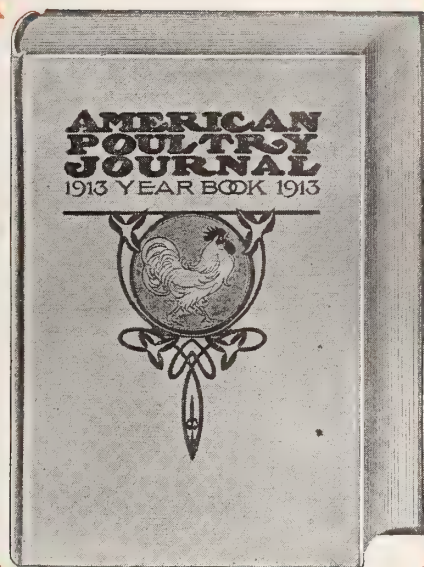
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"Is Worth Waiting For"

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One of the most valuable features of the Year Book to the exhibitor and breeder is the complete reports of the leading poultry shows held during 1912-13. 1st, 2d and 3d prize winners, with judges making the awards and number of entries in each class, are reported of nine of the largest shows, and 1st prize winners of the next 32 largest shows, and shows having less than 1000 entries are compiled into a directory, giving number of entries, entry fees, date of show, name of secretary, who furnishes the coops, etc.

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The editors of the Year Book are: Jas. W. Bell, Editor in Chief; Clarence Ward, Managing Editor; Louis A. Stahmer, Artist and Contributing Editor; Dr. Prince T. Woods, H. H. Stoddard, C. W. Zimmer, Helen T. Woods, Miss Carey of England, are the contributing editors, besides 21 special articles by leading specialists on poultry culture.

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379 PAGES, all chuck full of valuable, up-to-date information for the poultry raiser, such as "The Poultryman's Calendar," telling what to do each month in the poultry yard; many articles by prominent breeders on such subjects as Line breeding with chart, Dr. Wood's Improved Open-Front Poultry Houses, with illustrations showing how to build one; Capons and Caponizing, with illustrations; Feeding the Layers, with feeding formulas and table of food values; Opportunities in Poultry for the Farmer; Advertising Pure-Bred Poultry; A Simple Indoor Fireless Brooder, with illustrations; Stoneburn Trap Nest, with illustrations showing how to build one; The Diaphragm Open-Air Poultry House, with illustrations; Gillette Open-Air House; Old and New Breeds; and many other special articles by leading specialists of this country and England.

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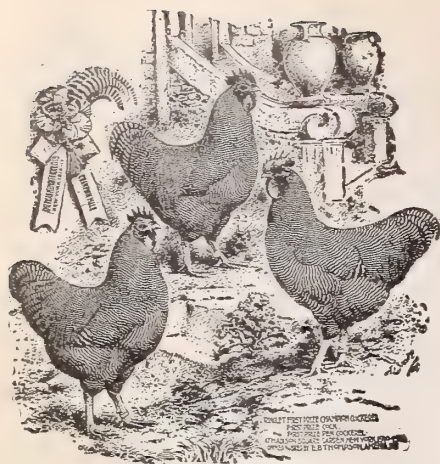
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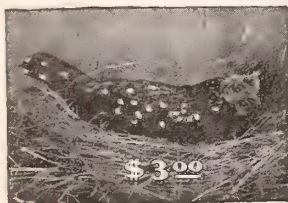
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**A sacrifice hit and a rain check on back inside cover.**



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## HARRISON'S ROYAL REDS

### LEAD ALL OTHERS

Never before in the history of the breed has any exhibitor equalled the record made by my strain personally exhibited by me at the last Chicago and Indianapolis shows.

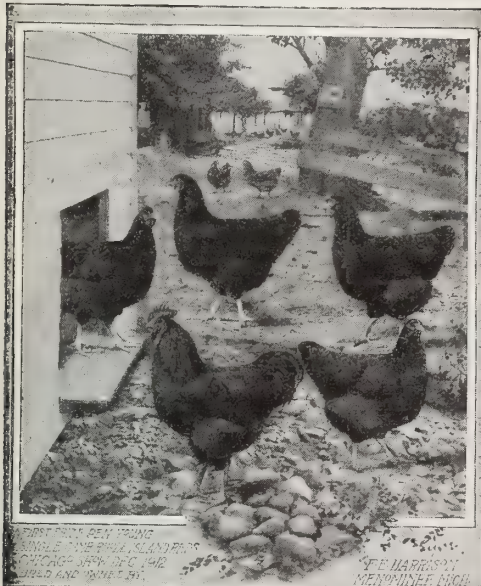
My win at Chicago of 1st, 3d and 4th cock; 2d and 3d hen; 1st, 2d and 3d pullet; 4th cockerel; 1st and 2d old pen and 1st young pen has never been equalled in the history of the show.

My win of six firsts, six seconds and six thirds at Indianapolis is the world's record for a national show.

I have upwards of 2,000 head of stock from these illustrious winners, and am prepared to furnish winners for any show in America.

REMEMBER—There is no more popular strain in the world than Harrison's Royal Red Strain. Catalogue free.

F. E. Harrison : Box 30 : Menominee, Michigan



## TECKTONIUS' STRAIN BUFF LEGHORNS

90 PER CENT SHOW PRIZES

Highest Market Prices

### Are Good for the Big Chicago Show

For seven years my famous birds have captured 90 per cent of first and second prizes, cups and specials at all big poultry shows. The "TECKTONIUS STRAIN" so surely has the habit of "coming back," that this year some of my best customers—buyers of my high-grade stock—have asked me not to show at Chicago in December. They want a chance. Therefore—unless my line is already sold—I will not exhibit at the Chicago December Show. Just now, am offering

#### Unrivalled Bargains in Single and Rose Comb Leghorns

—For quick acceptance: Special values in \$10 and \$15 trios and pens, Single Comb Buff; especially good values in \$3, \$5 and \$10 Single and Rose Comb males; extra good values in lots of twelve Single Comb females, mated to one male—utility grade—price \$18 for thirteen birds. This offer good only until November 15th.

Scientific mating methods have made my Buff Leghorns "rulers of the roost." What I have done for the "TECKTONIUS STRAIN" you can do for yours. Care and persistence have made "Tecktonius Buffs" ace high winners in market and show. My handsome illustrated catalog—sent postpaid, 25c, coin or stamps—shows you how to put your birds in the same class.

Get some "TECKTONIUS STRAIN" pedigreed stock—the world's feathered aristocracy—into your flock—while my prices are away down. They will show you how to get in the best prize winning, show room, and general utility class—decrease sickness in the flock—increase percentage of fertility—grow strong, early maturing chicks—breed beautifully shaped birds—reduce cost of feed—increase productivity—and to get a Buff Leghorn that is really buff—that lays the same, regardless of climatic conditions or moulting periods, is easy to domesticate, and that thrives under any conditions. Get the "TECKTONIUS STRAIN" and you will have the best there is in Single and Rose Comb Buff Leghorns. Do you know about the "Tecktonius & Reed Single and Rose Comb Buff Leghorn Farm?"

After October 1st, 1913, the "Tecktonius" Farm will be known as the Tecktonius & Reed Single and Rose Comb Buff Leghorn Farm—breeding, exclusively, Single and Rose Comb Buff Leghorns. Mr. B. C. Reed—professional in the care and rearing of featured stock—will be my partner in the further development of the now world's best "TECKTONIUS STRAIN" Buff Leghorn. "TECKTONIUS" Single and Rose Comb Buff Leghorns are a safe and sure-return investment for any poultryman. With maximum, or minimum care—in the best, or the poorest quarters—in show room or market—summer or winter—they will earn money for you; they CAN'T HELP IT.

Tecktonius & Reed Buff Leghorn Farm

Route 7

Racine, Wisconsin





**Know Your Hens on Sight**

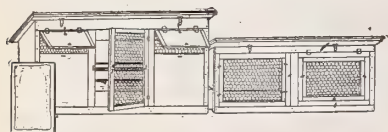
Successful breeding depends upon knowing your fowls at sight. The

# SPIR-OL

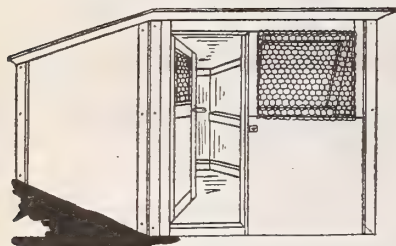
TRADE-MARK  
**LEG BANDS**



Are made in six colors and give you 120 combinations. They are indestructible and can be slipped on and off like a key ring. Cannot drop off. Sample free if you send your dealer's address. Retail prices—25c a dozen, 50c for 25, 85c for 50 \$1.50 for 100. Pigeon and baby chick bands, 20c a dozen, 25 for 35c, 50 for 60c, 100 for \$1. P. S. RIGGS : WHITE PLAINS, NEW YORK



**COOP FOR 12 HENS, \$10.00**



**6 ft. x 8 ft. Portable House, \$15.00**

Colony Houses, Oat Sprouters, Shipping Coops, Grain Chests, Yard Gates, Nests, etc. Write for free circular showing 20 different cuts.

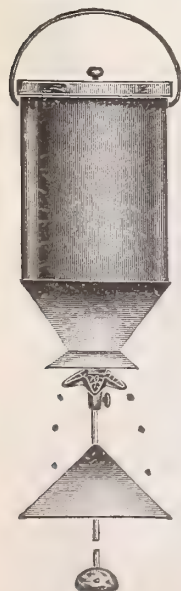
**E. C. YOUNG BOX COMPANY**  
RANDOLPH, :: MASSACHUSETTS

**S.S. HAMBURGS S.C. BUFF ORPINGTONS**  
Won Ind. State Fair on Hamburgs, 1st cock, 1st chl., 1st and 3rd hen, 3rd pullet. At No. Judson won 1st trio on Hamburgs, 1st trio Orpingtons, sweepstakes for best bird in show on Orpington pullet.  
**H. F. ALBERDING, NO. JUDSON, IND.**

## BUFF ROCKS

Am breaking up my breeding pens and am offering high class exhibition specimens of both sexes at very low prices, considering quality. Some of these birds have show records, other equally as good have never been shown. Mention American Poultry Journal.

**C. E. CLAPP MORGAN PARK, ILL.**



## The Ideal FEEDER AND EXERCISER

Will feed any kind of poultry feed. Adjustable to feed any amount desired. Will pay for itself in six months! Increase your egg yield 25 to 40 per cent.

8-Quart Feeder.... \$1.75  
12-Quart Feeder.... 2.50  
20-Quart Feeder.... 3.00

Rain, sparrow and rat-proof. Feeders with legs, 50c extra. Our 15-quart dry mash feeder, \$1.25. Fowls can't waste the feed. Can be hung up same as the others.

**Agents Wanted**

**The Miller Anchor Co.**  
P.O. Box 293, Norwalk, O.  
J. J. Campbell, Hartford, Conn.  
General Sales Agent

## WORLD'S FOREMOST WHITE WYANDOTTES

Have been the most prominent winners in the leading shows of the United States and Canada for fifteen years. No breeder in America has won in so many noted shows and against so many noted breeders in America at Madison Square, World's Fair, New York State Fair, Boston and other shows. The past year I have won over forty prizes including silver cups and \$25.00 offered by the Massachusetts State Board of Agriculture for best display. I guarantee to please you or money back and I pay return charges.

**J. H. Jackson, Lock Box 88, Hudson, Massachusetts**

## Brady's White Orpingtons

**AT PITTSBURGH, FEBRUARY 17th to 22nd, 1913, WIN**  
1st cock; 1st, 4th, 5th hen; 1st, 2nd cockerel; 2nd, 3rd, 4th pullet and 1st pen. This is the wind-up show of the year, and the Wh. Orpington class was strong, and I won a place on every bird entered incl. 4 firsts.

**FAR ABOVE THE AVERAGE IN QUALITY FAR BELOW THE AVERAGE IN PRICE**

**J. S. BRADY, PARKER'S LANDING, PENN.**

## SILVER CAMPINES

exclusively, I have two hundred grand young birds bred from my Chicago winners to offer. No old stock to spare. If you want something choice in chks., puls., trios or pens I can please you. Exhibition birds a specialty. Satisfaction guaranteed or your money refunded. **R. H. Cropper, Nora, Illinois.**

## SINGLE COMB WHITE LEGHORNS

Winners at CHICAGO, SPRINGFIELD and ELGIN. Choice breeding cockerels \$3.00 to \$5.00 each. Can furnish you with show birds, fit to show in strong competition, at reasonable prices. Mention A. P. J.

**Harry A. Muntz :: 565 Spring Street :: Elgin, Illinois**

## 500 EXHIBITION BIRDS



S. C. Buff Orpingtons  
S. C. White Orpingtons  
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S. C. R. Island Reds  
R. C. R. Island Reds  
White Plymouth Rocks  
Buff Plymouth Rocks

## Examine Birds Before You Pay For Them

So sure are we of pleasing you with the high quality of our stock we are perfectly willing to send any shipment to you C. O. D., subject to your inspection before you pay for them. We can furnish cocks, cockerels, hens or pullets for any show at rock-bottom prices. State where you wish to exhibit, the birds you need, and our proposition will follow.

**GOSHEN POULTRY FARMS**

**R. F. D. No. 7 :: Goshen, Indiana**

## Fluffy Ruffles Barred Rocks

**The World's Champ. Strain Continues to Win Wherever Shown**

"FLUFFY RUFFLES"---The \$1,000 hen, and her kin have won for me and my customers more prizes at Madison Square Garden, N. Y., in five years than any other strain.

This record does not include Specials or winnings of my customers. No other pullet line has ever equalled this continuous win.

**"Fluffy Ruffles" Strain is Winning Now for My Customers, for Me, and Will Win for You.**

I am in a position to furnish from this WORLD'S CHAMPION FEMALE LINE choice selections of STOCK or EGGS to all those wishing the BEST. My line of males for this season is headed by the 1st Cock at Madison Square Garden, 1911. This winning stamps him as the finest specimen of this variety in the world. For prices of the above phenomenal strains write, mentioning Am. Poultry Journal.

**WELLESLEA FARM POULTRY YARDS**

**C. H. Welles, Prop. :: Stratford, Connecticut**





## Set Up and Ready To Run in a Day

*The 1200-egg size opens on both sides and has four separate hatching compartments, each with its own thermostat. Extra sections can be added latter at any time at a small cost.*

**CANDEE**  
INCUBATORS  
AUTOMATIC-RELIABLE

*The 1200-egg size only needs a total floor space of 11 by 14 feet. It comes all built ready to set on legs. It burns only a little coal and keeps a steady, even heat.*

## Make Money Doing Custom Hatching

At \$2.00 a tray in five hatches your profit will be \$160, with the 1200-egg size. Larger capacities figure in proportion. It takes only a few minutes of your time daily to look after it.

Put it in your house cellar if you wish, as the Fire Underwriters have approved it, and your insurance won't be affected.

With the gentle, hot water heat, you can hatch big, fluffy chicks that will live and grow.

The Candee is sold upon a Money Back basis. It is a proved success in every section and every climate.

Our new 1914 catalogue and custom hatching booklet free upon request.

Candee Incubator & Brooder Co., Dept. 2, Eastwood, N. Y.



# Owen Farms' Birds

## HAVE WON HIGHEST HONORS

EIGHT times at MADISON SQUARE GARDEN (New York), THREE times at BOSTON, TWICE at CHICAGO, and at every other show we have entered them.

**Owen Farms' Birds have won highest honors** in Customers' hands at over ONE THOUSAND shows from the Atlantic to the Pacific.

## OWEN FARMS'

**Buff and White Orpingtons, White Rocks, White Wyandottes and S. C. Rhode Island Reds**

have the best record of consecutive WINNINGS year after year where competition is keenest of any strain in existence.

## OWEN FARMS' BIRDS

Have health, stamina and vigor. Plenty of bone and are standard weight or over. They are superb layers of large eggs, and unequalled as money makers for the commercial plant, or for the man wanting thoroughbred stock to produce eggs and chickens for home use.



1st Cockerel, New York, 1911, with Mates in a 1912 Mating



"CHAMPION"  
1st New York 1904 and 1906  
Headed 1st Pen 1907

I OFFER you OWEN FARMS' Cocks, Hens, Cockerels, Pullets and Pens to WIN any show in the WORLD.  
I OFFER you OWEN FARMS' selected Breeding Males and carefully mated Pens to produce WINNING youngsters, or mated to produce utility birds of the highest class.  
I OFFER you OWEN FARMS' birds of all grades at lower prices than you can procure equal quality anywhere else in the WORLD.

My new large Illustrated CATALOGUE is now ready. One of the best ever issued. Do not place your order until you have seen it.

Try the DELANO way and receive DELANO treatment and you will become a permanent DELANO customer.

ADDRESS:

**Maurice F. Delano, 107 William St., Vineyard Haven, Mass.**

MAURICE F. DELANO, Prop.

FRANK H. DAVEY, Supt.

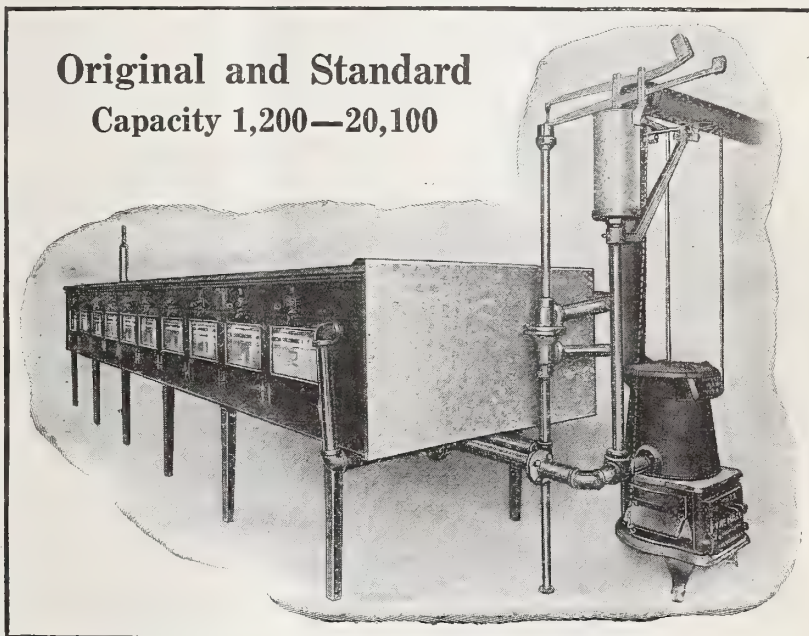


# You Don't Experiment With The Hall Mammoth Incubator

## A Hall in the Cellar

### The First Requisite for a Successful Poultry Business

Original and Standard  
Capacity 1,200—20,100



The market does not afford any other incubator so suitable for your needs. *Hall* engineers, profiting by 37 years of experience, have designed and built the most efficient hatching equipment in existence. We are, therefore, offering the best possible system for custom hatching and the general poultry industry.

Every detail of manufacture is given the greatest of care and attention, and because we know the Hall is built right and upon the right principles, and that its operation is based upon natural laws, we are in a position to guarantee each and every machine.

We offer you nothing sensational nor do we claim the impossible. We have worked along logical lines with the aid of intelligent engineers and practical poultrymen. Nothing is offered by us for service unless it has proven its practicability. Our latest improvement is the safety temperature control—simplicity itself — no delicate mechanism, such as a thermostat, but a practical application of a practical idea for a practical purpose.

The proven essentials of scientific incubation are incorporated in the Hall Incubator. We do not market theories.

***FILL IN THE COUPON—You will want to know all of the facts about the HALL MAMMOTH INCUBATOR. Just fill out and mail the coupon today before you forget it. It puts the facts before you and you are under no obligations to buy.***



**The Hall Mammoth  
Incubator Co.**

132 SOUTHERN AVE.  
LITTLE FALLS NEW YORK

**The Hall Mammoth Incubator Co.,  
132 Southern Avenue, Little Falls, N. Y.**

I am interested in the Hall Mammoth Incubator and Brooding Systems. I expect to hatch about \_\_\_\_\_ chicks this season and would like your catalog.

Name .....

Address .....



# It's Almost Threadbare

but as true as ever! Don't be misled by vague or misleading statements.  
**I Won**

at the big Albany Meeting of the National White Wyandotte Club last Jany.



2nd, 3rd and 4th cocks (Framingham Chief came back at **three years** of age and won 2nd. Tail was in poor condition, as he was very lame for two months this Fall from a fight and injured it a bit); 3rd hen, 1st, 2nd 5th and 6th cockerels, 2nd and 6th pullets, 2nd pen old, 2nd pen young, 1st collection sweepstakes in the American class, best shaped young male, best solid colored cockerel **in the show**, best Wyandotte cockerel **in the show**. My pen, young, laid way over second pen, the judge stated, but owing to a very slight defect in male's wing, he set it back. This means that birds from all over the country were brought to Albany to win, and, **as usual**, Duston turns the trick.

Besides bringing home an armful of ribbons, \$180 came along, too. That's going some in a class of 300 White Wyandottes. Also remember I took out, on a wire from an old customer, from my fitted string before shipping, a cockerel, pullet and cock, and **won** for my customer in as hot a show if not hotter than Albany, 1st cockerel, 1st pullet, 2nd cock, (no one but the judge could see why the cock did not win 1st, my customer writes.) That's only a sample of the way I won for my trade all last Fall and Winter. The birds have begun again. Read this:

Oct., 1913. —, Texas.

Dear Mr. Duston: More good news. Am just back from — show. Entered one cock, won 1st; one cockerel, won 1st; three hens, won 1st, 2nd, 3rd. Pullets entered, four, won 1st, 2nd, 3rd, 4th; 1st pen, special for best cock, cockerel, hen, pullet, all classes competing. One of my pullets won special for best shaped female in show, all females competing.

It is almost a mania for me to have my birds win the blue for my trade, and they do. It's a habit from 25 years' constant practice.

**I can win for you!** Now it will cost you only 15c for a catalogue that's worth the money, or you can have it for nothing, to find out what I have and guarantee to ship you. So write, and I'll **honestly** serve you or your money back.

THE BREEDER THAT HAS MADE POSSIBLE THE "WORLD'S BEST FLOCKS."

**ARTHUR G. DUSTON, Box 1020 SO. FRAMINGHAM, MASS.**

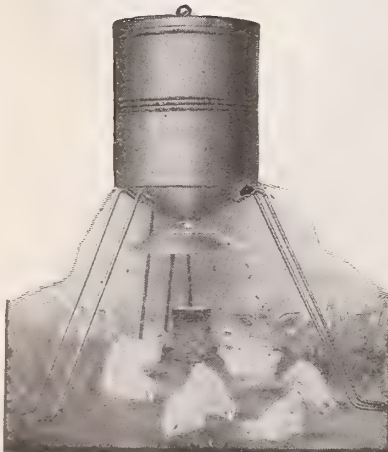
# GET THIS FEEDER

**Because** It will save you money; make your hens lay; give your birds lots of exercise; keep them healthy; increase fertility and develop your young stock quicker than you can possibly do it by hand feeding.

**These are proven facts and can't be disputed. Besides, it is on the job all the time, feeding your birds while you are attending to other work.**

**WE GUARANTEE**—That the Simplicity Feeder will pay for itself many times during the year by saving in grain. It will increase egg production and fertility.

Prices Delivered \$1.25 to \$3.50



Baby Chick Size—Perfectly Simple

That it will work perfectly at all times, scatter the feed farther, give more exercise than any other way. That it will operate from any direction, will not choke up and will feed all grains, mixed or separate. If not satisfied after thirty days we refund your money.

**WHAT AND HOW TO FEED**—We send you this valuable book without cost to you. It gives the formulas for feeding chicks, growing stock, fattening for market and for egg production. Also Spring, Summer, Fall and Winter feeds, as well as a variety of grain mixtures, and it tells you what these feeds will do and why they do it. These feeds can be fed by hand or in our feeder. This book is worth many dollars to you; we want you to have it and we send it free.

**Simplicity Supply House Pontiac Building Chicago : Illinois**



10-Quart Size—Simply Perfect

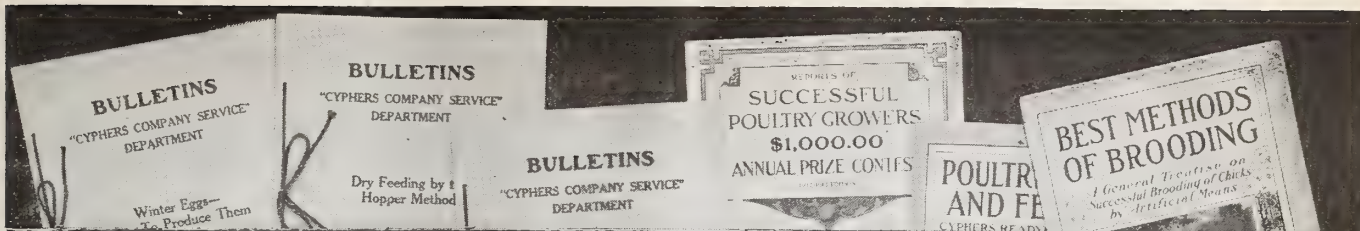
## IRONCLAD GUARANTEE ORDER BLANK

Simplicity Supply House, Pontiac Bldg., Chicago, Ill.  
Gentlemen:—Enclosed please find \$..... for which send to address below..... (State Number)  
size..... quart Simplicity Feeders with the understanding that you will refund my money if they are not satisfactory and I notify you to this effect within thirty days after receiving the feeders.

Prices, Delivered				Name.....	
Quantity	Baby	10-Qt.	20-Qt.	Express Office.....	Post Office.....
Each.....	\$ 1.25	\$ 2.50	\$ 3.50	Street or Route.....State.....	
Lots of Six..	6.00	12.00	18.00		
Dozen Lots.	11.00	22.00	32.00		

Orders of less than six 10 or 20-quart feeders and baby feeders in dozen lots or less will be shipped by Parcel Post or prepaid express within a radius of one thousand miles. Longer distances and larger orders for all points east of the Rocky Mts. will be shipped by prepaid freight, unless otherwise instructed.





# Cyphers Co's

## Free Service

Whoever you are, wherever you are, *you are* entitled to the knowledge and experience developed by the Cyphers Company for the benefit of all poultry raisers.

The books displayed above give some idea of the *thoroughness*—the far-reaching care with which this Company has solved and demonstrated chicken raising problems. And all the information, all the help and advice you may desire on poultry problems, is yours for the simple request.

We look at the matter *broadly*. We know that the more we help chicken raisers, the more people come to know that the Cyphers Company is headquarters for sound, practical, *money-making* information, the greater our business will be. So we offer this valuable free service without regard to what incubator you own or what methods you follow. Please don't hesitate to ask us

for information. Our large department for handling this correspondence consists of poultrymen of long experience. It is headed by Grant M. Curtis, president of the Cyphers Incubator Co., famous as a writer and authority on advanced poultry topics. Every inquiry receives careful attention and correct and helpful reply, based not only on thorough poultry knowledge but on *every-day experience* and *proof* at the Cyphers Company \$75,000.00 Experiment and Demonstration Farm, the largest and best equipped all-purpose poultry plant in existence, public or private.

Write today and get on the Cyphers Company mailing list.

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conducted for the benefit of Cyphers Company customers. Any reader of this paper is entitled to a choice of any three of the bulletins listed below. Simply write to our home office, Buffalo, N. Y., for the ones you want. Complete set free to Cyphers Company customers.

- No. 1—Winter Eggs and How to Get Them.
- No. 2—Dry Feeding by the Hopper Method.
- No. 3—Sanitary Conditions for Poultry.
- No. 4—Back-Yard Poultry Keeping.
- No. 5—Green Food for Poultry.
- No. 6—Dryness Essential for Poultry Houses.
- No. 7—Common-Sense Feeding of Fowls.
- No. 8—Important Don'ts for Beginners to Memorize.
- No. 9—Proper Brooding of Chicks.
- No. 10—Proper Feeding of Chicks.
- No. 11—Handling of Incubator to Get Best Results.
- No. 12—Marketing Eggs at a Profit.

- No. 13—White Diarrhoea of Chicks.
- No. 14—Poultry Raising for Profit on the Farm.
- No. 15—Poultry Houses, Their Proper Construction.
- No. 16—Special Fattening of Fowls.
- No. 17—Selection and Care of Breeding Stock.
- No. 18—Line Breeding and Trap Nesting.
- No. 19—Best Markets for Table Poultry.
- No. 20—Where to Start in Poultry Business.
- No. 21—Common Diseases of Fowls and Chicks.
- No. 22—Common Mistakes in Poultry Keeping.
- No. 23—Combining Poultry and Fruit Growing.
- No. 24—Common Poultry Pests.

## \$1,000.00 Prize Contest Book

No greater contribution was ever made to poultry literature. This book is the result of our last annual Prize Contest and is simply crowded with the actual fact reports of men and women who have gone into poultry raising as a *business* and have succeeded under every kind of condition. No one can read this wonderful compilation of other people's experiences without learning facts of great *money-making* value. Not a line of theory in the book. Just the plain, every-day doings and successes of poultry raisers from coast to coast.

A free copy of this book will be sent to any address, domestic or foreign, on receipt of 10c in U. S. stamps to cover cost of mailing.

## Free Personal-Letter Service

Please do not forget that we *want you*—no matter whether or not you are a Cyphers Company customer—to avail yourself of our Free Personal-Letter Service. Ask whatever questions you may desire. We will guide you *right*.

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Every phase of the subject covered in careful detail. Every suggestion, every-day doings and successes of poultry raisers from coast to coast.

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It is the Cyphers Company life-preserver book. Tells how to *successfully* brood and rear chicks—how to insure the highest percentage of life and vitality. Every poultryman and woman should possess a copy of this valuable book.

It is crowded with the sort of down-to-date information needed by *everyone* in the chicken business on a large or small scale. Write *today*. Book mailed free of all charges.

## Get the Cyphers Company Complete 244-Page Catalog

describing Standard Cyphers Incubators and Brooders and more than 100 high-grade Poultry Specialties. *Fully illustrated*. Replete with valuable information. Eight helpful chapters on *vital* important poultry subjects. Write for your copy today. Address—

## Cyphers Incubator Co., Dept. 30, Buffalo, N. Y.

New York, N. Y., 41 Barclay St.; Boston, Mass., 12-14 Canal St.; Chicago, Ill., 329-331 Plymouth Ct.; Kansas City, Mo., 317-319 Southwest Blvd.; Oakland, Cal., 2127 Broadway; London, Eng., 121-123 Finsbury P't. M't.

**PROFITABLE POULTRY AND EGG PRODUCTION**

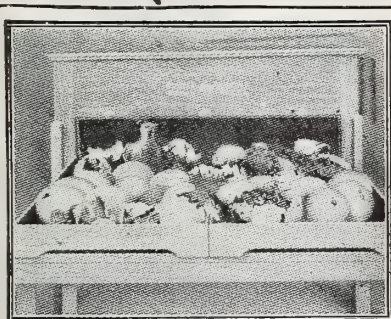
Cyphers Incubator Co., Dept. 30, Buffalo, N. Y.

Gentlemen:—Please mail to address below copies of free printed matter as follows:

Also send me 75-page one thousand dollar Prize Contest Book for which I enclose 10c in stamps.

Name.....

Address.....



## Cyphers Incubator

### 100 Per Cent Hatches—Ostrich Eggs—On the Other Side of the World

The following report, published in the "Agricultural Journal of the Cape of Good Hope," issued under the direction of the British Government, shows remarkable results of Standard Cyphers Incubators in hatching ostrich eggs in South Africa:

"... All of our chicks are incubated in Cyphers Incubators and most of the parent birds were also incubated. You will see by our egg record that we have sixteen camps of breeding birds, one cock and two hens to a camp. Of these only fourteen laid; the other two were only mated this year.

"For reasons of our own we separated our birds at the end of September, although you will notice they were mostly all laying well at the time, but of the 603 eggs we hatched 410 chicks, nearly 400 of which are alive and doing splendidly.

"This, in a year when so many are complaining of having few or no chicks, you will admit speaks well for the incubator.

### Bowden Hall Egg Record, 1910

Total, July .....	110
Total, August .....	238
Total, September .....	255
Grand Total, 603	

### Some of Our Best Hatches

40 Fertile eggs .....	40 chicks
38 Fertile eggs .....	35 chicks
38 Fertile eggs .....	36 chicks
37 Fertile eggs .....	37 chicks
38 Fertile eggs .....	38 chicks
41 Fertile eggs .....	40 chicks

"Altogether, out of 603 eggs laid, 430 were fertile, from which we got 410 chicks. Yours truly,

ROELOF B. KÖTZE"



# S·C·WHITE LEGHORNS

## THAT LAY, WEIGH AND WIN



There is more real proof in a teaspoonful of experience than in a demijohn of talk.

If you have ever bred the GROVE strain of SINGLE COMB WHITE LEGHORNS, you know from experience that they represent just what we claim for them.

Upon receipt of 50 cents in stamps or coin, we will send you postpaid our new sixty-four page book on poultry, which explains in detail the method of raising, feeding and conditioning line bred poultry for successful results.

**E. W. Grove, Jr.**

Route 1, Clayton, Missouri



# \$4,223 in One Year on a Town Lot

IS WHAT H. CECIL SHEPPARD OF BERE, O., ACTUALLY MADE BY KEEPING CHICKENS FOR PLEASURE

Mr. Sheppard was a city man; he lived in Cleveland for a number of years, but being in poor health, he was obliged to move to the country in order to prolong his life. He knew nothing about the chicken business when he moved to Berea in 1906, but he was an apt pupil. He discovered mistakes when he made them and was continually on the lookout for improvements. He started with a small flock and increased this with his knowledge of the business, and incidentally increased his business from \$160 the first year to \$9,500 the sixth year. In submitting the manuscript for his book, Mr. Sheppard wrote:

"Several parties have come to my place and sought information regarding my methods of conducting my chicken business. Some have told me they would pay \$5.00, others as high as \$25.00, if I would tell them how I run my business. I have told them that I have no secret, but it would take considerable writing and time to give them a detailed description of my methods. I decided to write it up and put it in a book so that anyone can have it for a reasonable price."

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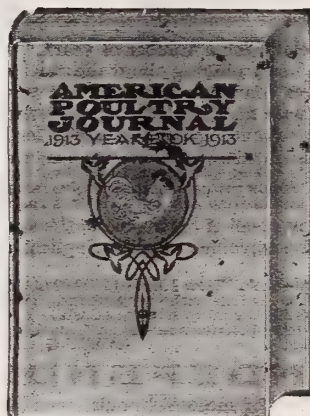


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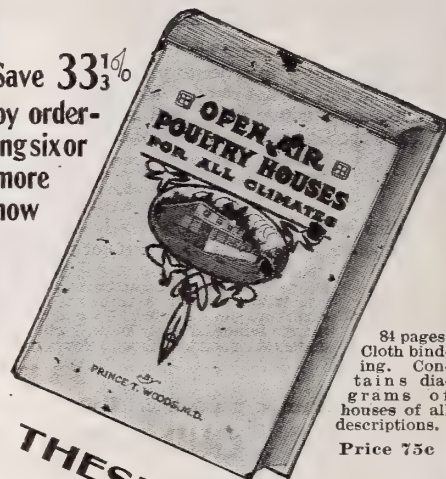
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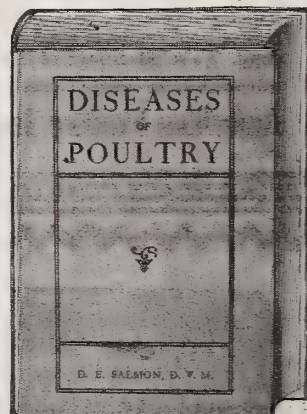
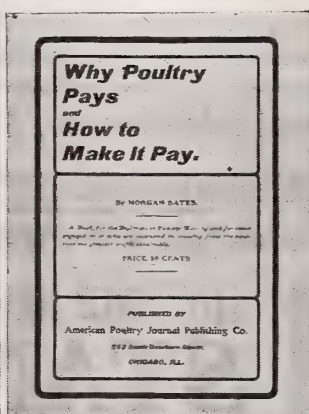
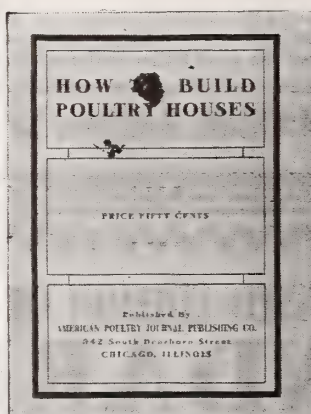
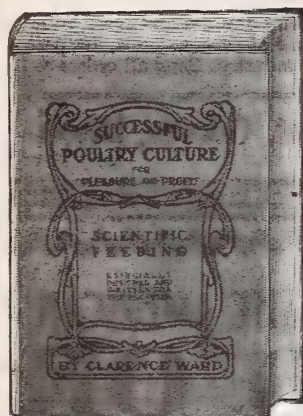
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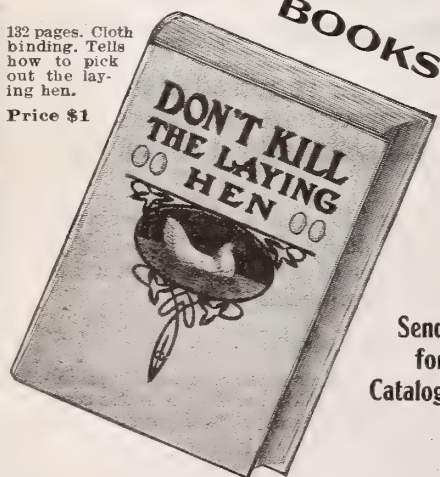
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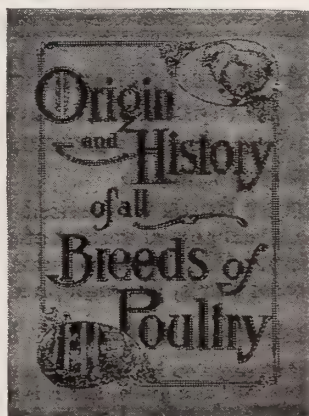
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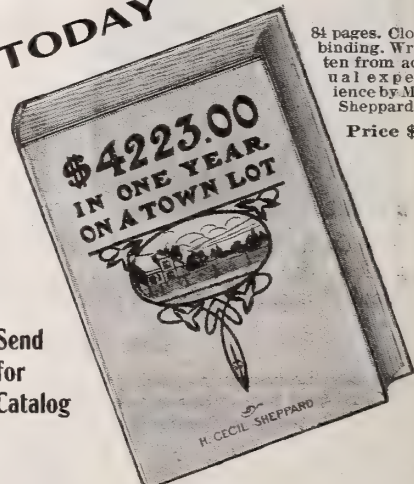


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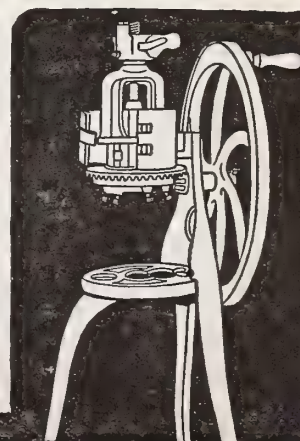
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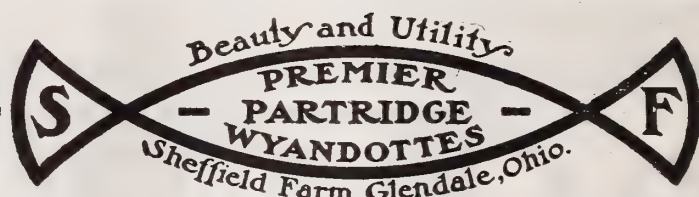
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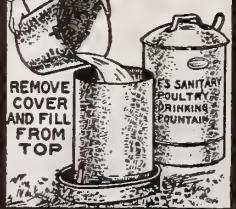
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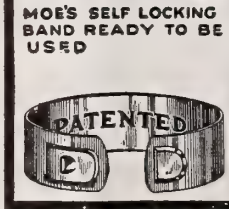
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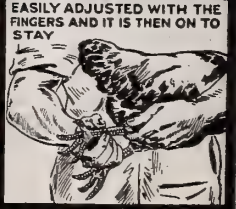
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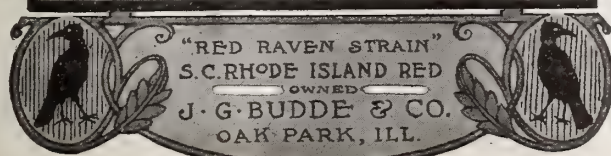
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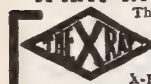


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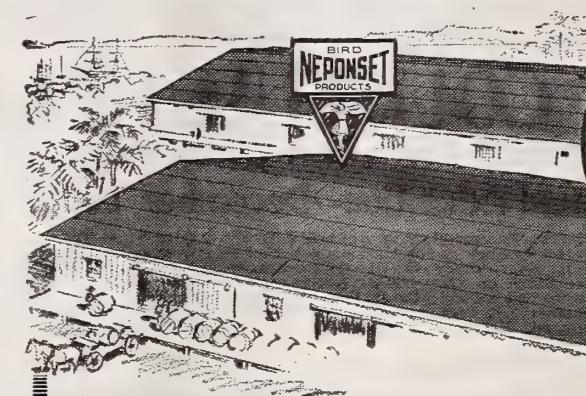
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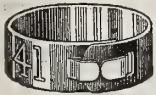
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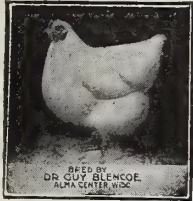
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These 10 Important Features should be considered when you are at a loss to know just which Hover to select. 1. The Ideal Hover may be carried with lamp burning. 2. It broods the chicks the natural way. 3. Can be used in a Brooder, Colony House, Henhouse, or any place where it is suitable to brood chicks. 4. It sets on level floor with no bridges for chicks to climb. 5. Has a Hot Air Double Drum Heater that produces 15% more heat than the Single Drum Heater used in most of the better class Hovers.

6. It is the best Hover made for winter and early spring use. 7. The new Automatic Lamp is perfection in itself, oil fount is outside of the lamp box feeding cool oil to the wick and will never cause trouble by smoking. 8. Lamp flame is always in plain view. 9. It is 24 inches in diameter and will brood 100 chicks. 10. While the quality ranks with the best it sells at a lower price.

Before selecting your Hover for 1914 we want you to write us for Circular showing how the Ideal Hover is constructed, also showing it in actual use on the State Farm at Dayton, Ohio, where seventeen were used last June with excellent results. We will also send you Circular of the Queen Incubator which we sell. It tells all about our Special Combination Offer of the Queen and the Ideal Hover, and you will mention this paper when you write us we will include a copy of "How to Raise 90% of Your Chicks." Write us today. Dealers wanted to handle the Ideal Hover.

NEW CARLISLE MFG. CO., New Carlisle, O., Successors The Duplex Incubator Co., Tremont City, O.



## TYPEWRITER SENSATION

TWO DOLLARS  
A MONTH



Buys a genuine standard No. 2 SMITH-PREMIER Typewriter and at \$71.20 less than the manufacturers price.

Never before has anything like this been attempted. Dealers get \$3.00 a month rent for this make of machine not nearly as perfect as the one we will send you, and you pay only two dollars a month and own it.

A Guaranteed Typewriter, \$28.80

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Send the Coupon and We Will Ship You This Smith-Premier Typewriter

When the typewriter arrives, deposit with the express agent \$8.80 and take the typewriter three days and try it. If you find it to be the best typewriter you ever saw, satisfactory in every respect, keep it and send us \$2 each month, until our special price of \$28.80 is paid. If you don't want to keep it, return it to the express agent, and he will give you back your \$8.80 and return the typewriter to us. We will pay the return express charges.

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The coupon states the terms. Fill it out, send it now, today. You can't lose, and it's the greatest economical typewriter opportunity you will ever have.

### COUPON

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No. 180 N. Dearborn St., Chicago.

Ship me a No. 2 Smith-Premier f. o. b. Chicago, as described in this advertisement. I will pay you the \$20.00 balance of the special \$28.80 purchase price, at the rate of \$2.00 per month. The title to remain in your name until fully paid for. It is understood that I have three days in which to examine and try the typewriter. If I choose not to keep it I will carefully repack it and return it to the express agent. It is understood that you give the standard guarantee for 1 year.

Name.....

Address.....

Shipping Point.....

(A.P.J.)





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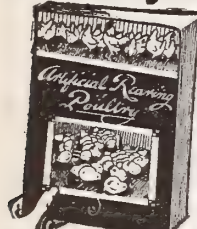
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It is a book that either the beginner or the experienced poultryman will find of vital interest, because it contains the actual experience of the most successful poultrymen.


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IT'S FREE!** Write a Post Card for a Copy TODAY

It tells how to make money on the ordinary farm with poultry—how to make money raising ducks—how to select layers—what breeds are best for different purposes—how to feed, breed, rear and hatch profitably and economically—how to overcome disease and a hundred and one other important things. It describes the 1918 Sand Tray.

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Incubators and Brooders**

which are revelations in artificial incubation machinery. Not built on theories, but on experiences that have proven successful and profitable. You want to read about and investigate this season's Prairie State machines before you buy. Send for this book and get the most valuable poultry raising information that has been published. The edition is going fast. Send at once to insure getting a copy promptly

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**THIS IS THE ALUMINUM “CONVENIENT” LEG BAND**

Note the strong, secure fastener, so simple and complete—the number is not stamped in, but raised OUT—plain, readable—can't get full of dirt. Reaches you already bent in shape ready to put on—12 bands 20c; 30 for 45c; 60 for 75c; 100 for \$1.00. Sample Free—

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Egg and Chick shipping Boxes. Order from this Advertisement. Prices Exhibition Coops Shipped K. D. No. 1, for 1 Bird, \$1.25, No. 2, for Pairs, \$2.25. FOWL SHIPPING Coops Made Light Wood, Shipped K. D. No. 113 Size 12 x 12 x 18 inches \$3 dozen, No. 114 Size 20 x 20 x 20 inches \$4.50 doz. Catalogue free All kinds of Boxes, Coops, Brooder Outfits, Heaters, Cookers, Whitewashers, Incubators, Etc.

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**You can depend upon this being absolutely correct.**

If a “Tycos” says so, it's the truth.

A good hatch depends upon the right temperature. But unless you have an accurate thermometer, you can't be sure that the heat is what the instrument indicates. You MUST have an accurate thermometer. Therefore, ALWAYS specify that your incubators be equipped with

## “Tycos” Incubator Thermometers

Their accuracy is permanent and reliable. When buying an incubator or brooder, insist on the manufacturer equipping with Tycos Thermometers. If your present incubator or brooder is not equipped with these reliable thermometers, go to your dealer and ask for Tycos—if he cannot supply you, send direct to us.

PRICES	
Tycos Incubator Thermometer (Like Cut)	\$ .75
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Tycos Incubator Hygrometer	1.50
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Write for free booklet, “Thermometer Facts Worth Knowing.”

## Taylor Instrument Companies,

100 Ames Street  
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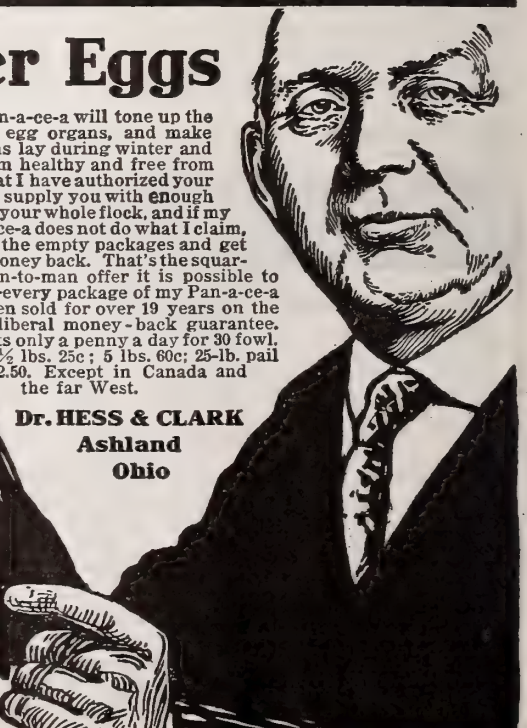
## Get Winter Eggs

So sure am I that Dr. Hess Poultry Pan-a-ce-a will tone up the dormant egg organs, and make your hens lay during winter and keep them healthy and free from Roup, that I have authorized your dealer to supply you with enough to feed your whole flock, and if my Pan-a-ce-a does not do what I claim, return the empty packages and get your money back. That's the squarest man-to-man offer it is possible to make—every package of my Pan-a-ce-a has been sold for over 19 years on the same liberal money-back guarantee. Costs only a penny a day for 30 fowl. 1 1/2 lbs. 25c; 5 lbs. 60c; 25-lb. pail \$2.50. Except in Canada and the far West.

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# Dr. Hess Poultry PAN-A-CE-A





# DO YOU KNOW

Black Langshans won Australian egg laying contest two years in succession? Black Langshans stood second last year in the Missouri Egg Laying Contest? Black Langshans stand at the top as the highest average layers for ten months this year? Hewes Farm Prince Ebony Strain has swept the decks at all shows including Chicago and New York whenever shown. All firsts on males at Chicago for four years. Send dime for catalogue and full information. Mention American Poultry Journal when writing.

R. A. HEWES -- BOX A -- CRETE, ILLINOIS

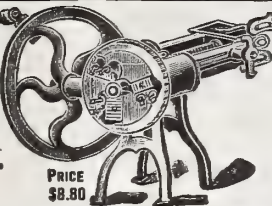
## How to Get More Eggs

You can get more eggs than you ever thought possible from your hens by feeding them cut bone. It keeps them laying regularly, in season and out. The

### STANDARD BONE CUTTER

is the only machine that cuts bone across the grain, securing greatest food value. Cuts green bone, dry bone, meat or gristle. **TEN DAYS FREE TRIAL TO PROVE SUPERIORITY.** Cut shows No. 9 machine, price \$8.80. Many improvements in this cutter. 12 different sizes for hand and power, costing from \$6.75 to \$195. Write for free catalogue and free trial plan.

STANDARD BONE CUTTER COMPANY, Milford, Mass.



PRICE

\$8.80

## A Natural Poultry Land

Poultry do best in an open winter country. It is artificial to house birds 4 to 5 months in the year.

In the open air, with ample green feeds the year around, they lay better, grow faster and are more vigorous.

The Southeast is a natural poultry region. A growing season of 200 to 300 days annually (varying with locality) allows for a wide range of green foods the year round and reduces the cost of maintenance to a minimum.

If you intend starting in the poultry business and have but limited means, no section can offer you more certain success than the Southeast.

### Land at \$15 an Acre up

prices varying with improvements and location, can be purchased in many sections near to good local markets. A Northern Florida poultryman sells his eggs the year around to a local hotel for 40 cents per dozen. Thus profitable home markets are assured. Small fruit growing in connection with the poultry business makes a profitable combination.

Send at once for the "Southern Field" magazine, lists of farms for sale and other information you may desire.

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Room 9 Southern Railway Washington, D. C.

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## Increase Egg Yield This Winter, Save Money on Feed, Make Chicks Grow Rapidly, Strong

by installing an Ideal Grain Sprouter and feed your hens the green food that is absolutely necessary to insure prolific egg production.

Eggs are going higher in price every year, the demand is far exceeding the supply, and it looks like good times and plenty of money for the man who has one of our sprouters.

## The IDEAL Grain Sprouter

- is the best machine for sprouting grain ever made;
- will produce sprouts over two inches long in 24 hours;
- sprouts any kind of grain better, in less time and without fuss or muss;
- produces three to four bushels of feed from one bushel of grain;
- pays for itself in a single month by saving in feed bills, increasing egg yield, supplying food that makes chicks grow strong and vigorous.

The "Ideal" is made in several sizes—for a few hens up to hundreds. Can be used in summer (with-out lamp) as it has proper arrangements for moisture and ventilation to produce quick results and crisp feed.

### CONSTRUCTION

Made of best lumber—double walls, insulated with heavy deadening felt—inside lined with galvanized iron—frame of trays heavy galvanized iron—bottom of tray heavy wire netting—front of machine glass, which induces green sprouts. These sprouts require very small amount of artificial heat which is produced by the Ideal Safety Lamp, the fumes of which pass through ventilators.

### Get Special Low Price Offer Today

Don't delay but write at once for special low price freight prepaid introductory offer, full particulars and description of this perfect grain sprouter. No poultry man should be without it. It is the *Eggs' Money Maker for the Poultryman since the Incubator was invented.*

Made by J. W. Miller Co., Manufacturers of Incubators, Brooders and Poultry Supplies, which is sufficient guarantee of its excellence.

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## CELLULOID LEG BANDS



Made in Seven Colors—Red, White, Blue, Pink, Amber, Black and Ruby. They mark your poultry so that you instantly know without handling, individual birds, one mating from another, and pullets from hens. Prices: 12 for 25c; 25 for 50c; 50 for 85c; 100 for \$1.50.



Bands for Half-grown chicks in Five Colors—Red, Blue, Pink, Amber and Black. Prices: 12 for 25c; 25 for 40c; 50 for 75c; 100 for \$1.25

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More Phosphorus and Less Protein!

"Hen-o-la" Dry Mash

Fed in conjunction with

"Hen-e-ta" and "Succulenta"

Requires Absolutely Nothing Else

Because the three make a complete balanced ration, rich in phosphorus.

The Lack of Stamina and Vitality

In the birds is the cause of 95% of the failures in the poultry business. Therefore see to it that you are one of the successful 5% this year by putting your birds on this economical scientific horse sense system that produces Stamina and Vitality; convince yourself by giving it a thorough trial.

Let us send you report from a leading experiment station that has fed 31,500 lbs. "Hen-e-ta" during the past four years, and is still feeding same.

The above system makes poultry-keeping wonderfully simple and cheap.

If your dealer will not supply you, please write us for full information and prices on "Hen-e-ta," "Hen-o-la" Dry Mash and "Succulenta" tablets—green food substitute.

Valuable Booklets Free

If you will give us your dealer's name and address.

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Newark, N. J. Dept. 1, Flemington, W. Va.

We Guarantee to

Make  
**Hens Lay**

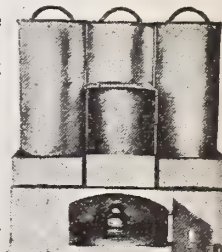


NO EXPERIMENT  
BUT A FACT

**THAT HENS** will do better and lay  $\frac{1}{3}$  more eggs if they have clean, fresh water in the summer and warm water in winter. Our Fountains will not only meet these requirements but will help keep the hen house warm in the winter.

Our Combination Fountain and Feeder warms the water and keeps the Grain warm which will make your hens lay in freezing weather. Don't go through the winter the old fashion way. Get one and be convinced.

Our fountains are Safe, Sanitary and practical. We have several styles ranging in price from \$1.25 to \$5.00. Our Book is Free describing Fountains, Feeders, Exercisers, Oat Sprouters, Incubators, Brooders, and all poultry house fixtures.



WENDELL INCUBATOR CO.  
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Tells how to get bigger poultry profits. Sent free. Tells about Triumph Incubators and Brooders. Elaples, surest money makers—Neubert's water-pipe after 19 years experience. Easy to operate—low priced—guaranteed. Write postal now.  
R. F. Neubert, Box 760 Mankato, Minn.

**Get More Eggs****With Banner Root Cutter**

Keep your hens in top notch laying condition by feeding freshly cut roots. Lower your feeding cost and get better results.

Roots contain egg making material. Keep hens laying in winter. Banner Root Cutter works fast—cuts any vegetables to fine shreds, easy for chicks to eat. Low priced—easy to operate—pays back its cost quickly. Free Book—tells all. Mail postal today. Address

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**SIMPLICITY POULTRY FEEDER**

Perfectly adjustable, feeds everything from whole corn to millet seed, will not clog, nothing to get out of order, works from every direction, rat and bird-proof, feeds chickens when hungry, saving time, labor and feed. A day old chick can feed itself with a Simplicity Baby Chick Feeder.

**\$1.25 to \$3.50, Delivered, Shipped On Approval.**

"What and How To Feed," a valuable book of feeding formulas, sent free on request.

AGENTS WANTED.

SIMPLEX SUPPLY HOUSE,  
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**YOUR FOWLS WANT****Blatchford's "Fill the Basket" Egg Mash****TO PRODUCE MORE EGGS**

With the highly nutritious Milk Substitute, Blatchford's Calf Meal, as a base, combined with Beef Scraps, Bone Meal, Fish, Dried Milk, etc., there is nothing better for Egg production.

**TRY IT!**

AT YOUR DEALERS OR

**Blatchford's Calf Meal Factory**  
Pamphlet Free. WAUKEGAN, ILL.

**LEG BANDS**

Get Samples Free

Which hens are laying? Mark 'em with leg bands and you'll know. Sell the non-producers.

Two and three year old hens are a dead loss for laying purposes. Leg bands tell you when to sell off surplus stock.

Invest a few cents in leg bands; you'll get dollars in egg profits.

**Get Guaranteed Leg Bands for Your Hens**

Order now direct—money back if not satisfied. Smith Sealed. Prices: 12, 30c; 25, 50c; 60, \$1.00; 100, \$1.50; 500, \$6.50; 1,000, \$12.50; postpaid. Leader Adjustable. Prices postpaid: 12, 15c; 25, 25c; 50, 40c; 100, 65c; 250, \$1.50; 500, \$2.75; 1,000, \$5.25. Climax. Prices: 12, 15c; 25, 30c; 50, 45c; 100, 75c; 500, \$3.25; 1,000, \$6. Also Open Pigeon and Open Chick Bands, fit any size pigeon or small chick. Prices: 12, 15c; 25, 25c; 50, 40c; 100, 65c; 500, \$2.75; 1,000, \$5.25.

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Prize winners at Cleveland. Exhibition and breeding stock for sale. Satisfaction guaranteed or money refunded. When writing mention American Poultry Journal. Address

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## Ready Roofing

Armed with "Nature's everlasting waterproofer" Genasco is ready to combat rain, snow, hail, wind, sun, heat, cold, and fire and to defend your roof with its resisting, lasting life, and keep it weather-tight.

Genasco smooth-surface roofing is supplied with patented **Kant-leak Kleets**, which make seams waterproof without cement, and prevent nail leaks.

Ask your dealer for Genasco. Guaranteed. Smooth or mineral surface. Write us for samples and the Good Roof Guide Book.

**The Barber Asphalt Paving Company**

Largest producers in the world of asphalt and ready roofing

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## Get Humphrey's "Golden Egg"

—Tells How to Cut Feed Bills in Half—  
**HOW TO DOUBLE YOUR EGG YIELD**

Do you expect to get as many eggs from your hens this winter as you did in the summer? If not, why not?

Did you ever satisfactorily figure why hens do not generally lay in winter time?

It's not because of the cold. Whoever got cold under a feather bed? Hens are protected against cold.

It's not because they are of a mean and ugly disposition.

No, it is just because under ordinary winter circumstances they cannot lay.

The food a hen ordinarily gets does not force her to lay. The supply of insects, grasshoppers, worms she gets in summer time is gone; she gets nothing to replace it.

Give your hens the right food and they will lay as many eggs in winter as in summer.

Fresh cut raw bone prepared in a Humphrey Bone Cutter is the one right food.

"The Golden Egg" tells how to do this—fascinating facts told in a simple,

truthful way. It shows clearly why Humphrey's Green Bone Cutter doubles the egg yield.

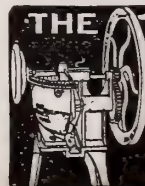
"Feed is the foundation of egg production." High-priced food cannot pay out. You may get a few eggs, but the profit is "eaten up."

Corn and other high-priced food will not give you winter eggs. It will eat up your egg profit.

A piece of raw bone the size of a turnip will feed 10 to 20 hens and cost you—perhaps nothing—at the most 2 or 3 cents.

The Humphrey Green Bone Cutter will make your hens lay in winter, will get you the eggs.

"The Golden Egg" will be sent to your address, free, just write me how many hens you have. Write today.

**THE HUMPHREY**

**GREEN BONE and VEGETABLE CUTTER** will save half your feed bills and double egg yield. Guaranteed to cut more bone, in less time, with less labor, than any other. Send for Special Trial Offer and handsome catalogue.

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White St. Factory, Joliet, Ill.



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J.A. PARKER Original CLEVELAND, OHIO  
**SUSSEX STRAIN**  
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The product of his breeding pens of 1912 in Brahmas, White Orpingtons, White and Barred Rocks and White Wyandottes that seem better than any previous years output. Send for circulars and particulars. Mention A. P. J.

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GRAND WINNERS NOW READY FOR THE EARLY FALL AND WINTER SHOWS. COCKERELS AND PULLETS UP TO THE STANDARD WEIGHT AND OF GREAT BONE AND TYPE. WINNERS FOR ANY COMPETITION, IN PENS, TRIOS AND SINGLE BIRDS.

DO YOU BREED

## "Sunswick Strain"

S. C. BUFF ORPINGTONS and  
BUFF ORPINGTON DUCKS

**Or just Orpingtons?**

The Great S. C. Buff Orpington Specialty Plant of America IS  
**SUNSWICK POULTRY FARM, South Plainfield, N. J.**  
RUFUS DELAFIELD, Owner

Send for Catalogue

Inspection Invited

**DESTROY VERMIN**  
**FREE BOOK**  
Drop us a post card for our FREE BOOK telling all about our most effective method of killing LICE, ROACHES, BED BUGS, etc. Our method is now in use by over 6,000 hotels and institutions. Write for FREE BOOK. The Insectolene Co., Dept. P, Box 113, Chicago, Ill.

## HIGHEST SCORE EVER WON

**100** Envelopes, 3 1/2 x 6 1/2 inches, an extra strong, thick, smooth, slick, white writing face, and 120 Letterheads, 8 1/2 x 11 inches, heavy, hard, smooth, slick, pure white writing paper, all artistically printed and illustrated with latest new Standard cuts of your breed for only \$1.00. Express charges paid by me. Better printing for the price was never done. No order less than \$1.00 filled. Name your Express office. Cards, tags and egg labels same price as above.

Address, J. R. HUDSON, Hardin Springs, Ky.  
I have seen samples of Mr. Hudson's printing. It is very nice; he is perfectly honest.—EDITOR

**No More LICE!**  
No sir, no more lice and we mean it. The lice problem won't worry you if you will do as the leading successful poultrymen have done for 30 years. Stop experimenting—get  
**The Old Reliable LAMBERT'S Death To Lice**  
and your lice troubles will be no more. Safe, sure, quick, easy to apply. Will not injure hens, eggs, chicks, or soil plumage. Sold in 10c, 25c, 50c and \$1.00 sizes. Send 2c for latest copy of Lambert's "POCKET BOOK OF POINTERS".  
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**CAPONS** bring the largest profits—100 per cent more than other poultry. Caponizing is easy and soon learned. Progressive poultrymen use  
**PILLING CAPONIZING SETS**  
Postpaid \$2.50 per set with free instructions. The convenient, durable, ready-for-use kind. Best material. We also make Poultry Marker 25c, Gape Worm Extractor 25c, French Killing Knife 50c. Capon Book Free.  
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Let me tell you how you can save money when purchasing an incubator and why the Reliable is such a safe buy and sure hatch machine. Get my free catalog, J. W. MYERS, Inc., Reliable Incubator & Brooder Co., Box A.1, Quincy, Ill.

Don't Feed Green Food!

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Do away with the bother by using Succulenta Tablets

They are better and cheaper and more relished by all fowl. Simply dissolve one tablet in one quart drinking water for fowl. Sample can (100 large tablets) by mail 50c. Can of 250 large tablets by mail \$1.00. **YOUR MONEY BACK IF NOT SATISFIED.** Drop postal for particulars to The Succulenta Co., P. O. Box 405-1, Newark, N. J.

POULTRY FENCE

22½ cts. a rod

48 inches high. Has 4½ inch mesh and graduated spacing of line wires from 1½ at bottom to 3½ inches at top. Fewer posts and no base board or top rail required.

STRETCHES UP LIKE A FARM FENCE.

27¾ c. Combined Poultry and Stock Fence made of heavier wire and having 6-inch mesh. From Factory Direct to Consumer. 100 styles and heights of Poultry, Farm and Lawn Fence. Catalog FREE. Box 295 KITSelman Bros. Muncie, Ind.

\$5 Humphrey's Wonder GRIST MILL

Simplest, easiest running mill built. Self cleaning. Mill taken entirely apart by loosening four bolts. Grinds corn, oats, barley, rye, etc. Capacity 2 to 7 Bushels per hour. Grinds fine or coarse. Special process chilled iron. Self-sharpening grinding rings. Can grind meal, coffee and spices for table use. Hand wheel 20 in. Power pulley 12 in. ¼ 2 in. ¼ to 1 H.P. Shipping weight 55 lbs. Combination hand and power machine \$6. Ask for catalog. Guaranteed. Sold on Free Trial HUMPHREY, Avon St. Factory, Joliet, Ill.



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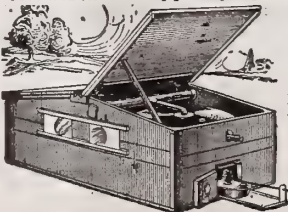
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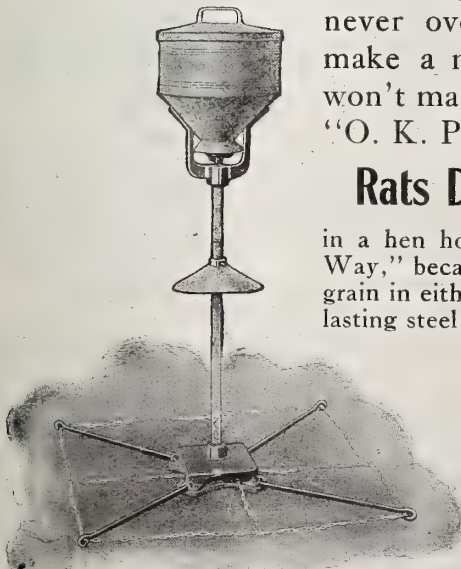
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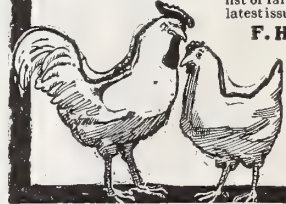
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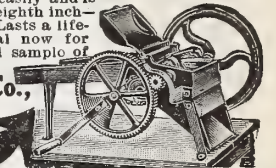
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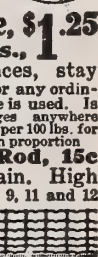
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Winners at Chicago—Indianapolis—Memphis—Louisville—Shelbyville

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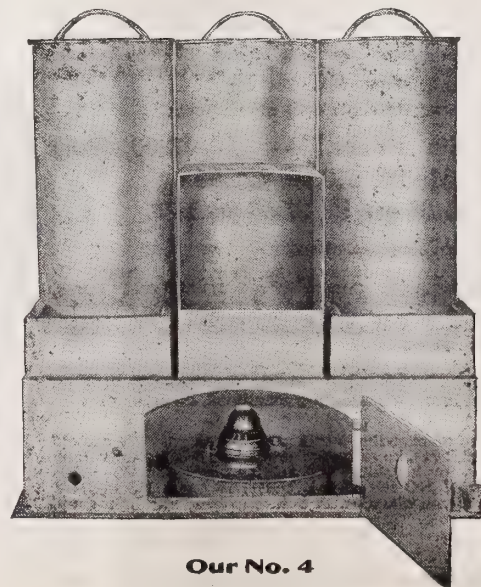
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**ONEIDA, NEW YORK****Palmer's  
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We are now ready to furnish you with your Fall and Winter Show birds; about 300 high-class birds to select from. Write us what you are looking for and we guarantee to please you at fair prices. When writing mention American Poultry Journal.

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My birds win year after year because they have years of careful line breeding back of them, and because I know how to mate them to produce winners. My record of all five firsts and all specials at Chicago is the greatest win ever made on Reds. Show birds for sale. Write me for prices.

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Single Comb  
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Best Strain, Best Breed  
to lay large white eggs.

Show Birds and Show Birds  
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**NOW THEY ARE BETTER THAN EVER**

We can please you with exhibition stock so if you wish to win write us and let us make you a proposition which means money to you. Grandcocks and hens and a great lot of choice young that will meet any demand made upon them. A few more selected breeders to sell. Write your wants and let us tell you what we can do for you. Mated trios and pens a specialty. We will please you if you are interested.

**Remember This "Champion" Line**

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White and Buff Orpingtons, White Wyandottes, White Leghorns, Single and Rose Comb R. I. Reds.

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Have led the way for 20 years. Send for descriptive matter. Hilldorfer Black Minorca Farm, Saxenburg, Butler County, Pennsylvania.

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ORPINGTONS**

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Improved Champion Strain, bred from imported stock. Chicago winners. Exhibition and utility stock both old and young. Eggs and day old chicks in season.

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June Bargains in Best Brown Leghorns—\$10.00 eggs now \$5 per 15, \$5.00 now \$2.50. Not too late to hatch winners for Winter shows.  
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**Won All Firsts and Specials at Madison Square Garden, January 1913**—This remarkable record, with their decisive victories at New York, 1910-11, and Hagerstown, 1911-12, gives them a grand total of 21 of the 23 firsts competed for, and stamps them as America's undisputed champions. Their utility is equal to their beauty. The greatest prize winners and best breeders for you. Write your wants. Catalog and mating list for stamp. Eggs in season.

**BRONZE TURKEYS Won All Firsts at Hagerstown, 1912, and Madison Square Garden, N. Y., 1913**—Making a grand total of 21 of the 24 firsts at six great shows in 1910-11-12-13. If interested in the World's Best Bronze, write your wants. We will please you at right prices with the best exhibition and breeding birds ever offered. Madison Square Garden, N. Y., 1913—Our seventh consecutive year of winnings at this great show again surpasses all former records by taking all four first prizes and three second prizes, display prize and all specials. Write your wants. Catalog and mating list for stamp. Eggs in season.

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First Prize Partridge Rock Cockerel  
Madison Sq. Garden, N. Y., 1911.

First Prize Bronze Turkey Cockerel  
Madison Sq. Garden, N. Y., 1911.

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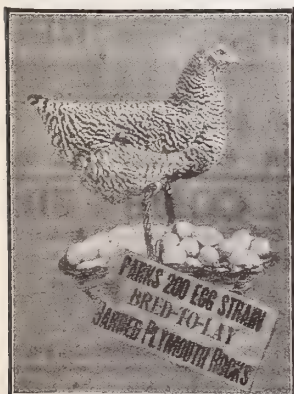
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are bred from the oldest and greatest laying strain of today, have been carefully selected and trapnested for eggs since 1889, are bred from hens, and males whose dams have laid better than 200 eggs, are big, husky, healthy, well marked, mostly hen hatched and reared at \$3 up, are being used by a surprisingly large number of our foremost breeders, are the strain that won gold and silver cups, Missouri and International laying contest, have the ability to transmit the laying habit on their offspring, are the strain that has utility and fancy combined, as recent winnings prove. (Large 36-page catalogue free)  
we can mate up in trios, pens, etc., for foundation stock.  
you will find fully described and customers' reports in free cockerel circular.

**J. W. PARKS : BOX J : ALTOONA, PENNA.**



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Rather a broad statement I will admit, but nevertheless it is a fact that there is no fowl that will produce more eggs or is a better fowl for the table or market than

### U. R. FISHEL'S WHITE PLYMOUTH ROCKS

Other breeds and varieties boom and the boom is of short duration, because they have no qualities to make them worth while. The Fishel White Plymouth Rocks grow in favor and demand everywhere and all the time. They have won the leading prizes at twenty-two largest exhibitions and five international expositions which have stamped them for years as "The Best in the World." Bred in line for over twenty years and by far the best flock this season we have ever owned. High class exhibition specimens, selected breeders and utility flocks to suit all. Write your wants please. 64-page catalogue, 25 cents. Sale list free. Mention American Poultry Journal.

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**Win Ten Firsts at the Indiana and Tennessee State Fairs** Indianapolis, Sept. 1913—1-2-3 cock, 1-2-3 hen, 1-2-3 cockerel, 1-2-3 pullet, 1-2-3 pen. This is the most wonderful record ever made by a Buff Orpington breeder. If you want to win you will find that our type and color appeals to all judges. We have elegant cocks, cockerels, trios and pens for sale mated to produce winners and the best of all they have the laying qualities. Write today.

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**Maplewood Poultry Yards H. W. Hayner, Superintendent Attica, New York**



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Make sensational win as follows, after traveling three days without feed or water and being judged in less than 2 hours after arriving at the fair: **First old pen, 3d young pen, first and fourth cocks, second and third hens, third cockerel and first and fifth pullets.** Just think of this! In all I exhibited twenty birds and seventeen of them were in the winnings. I won more firsts than any of my competitors and as many firsts as all my competitors combined. I have 1,000 young birds with the blood lines of these and other winners and as I will not exhibit any more this year, I can furnish winners for any show, anywhere. Write your wants and mention American Poultry Journal.

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### Three Firsts, Two Seconds, Two Thirds, One Fourth and Three Fifths; Twenty-Four Birds Entered, Nineteen Birds Placed

We always enter where competition is the hottest. We have one of the oldest and most carefully bred strains of Reds in the world. One grand triumph in the show room for the past ten years in the great shows of America proves the statement. Several hundred exhibition and breeding S. C. Reds for sale. A few Rose Combs of the highest quality. Every bird guaranteed.

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(PARMENTER STRAIN) — We can now spare some fine quality cocks and hens. Some grand youngsters coming on. Get ready to win this Fall by writing us today. Mention American Poultry Journal.

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FLANDERS' WHITE LEGHORN FARM

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For the month of November only to make room, I will offer 500 yearling hens and 500 pullets at just one-half regular price. Write me your wants now. I have won more prizes during the last five years at Chicago than all my competitors combined, and can furnish the winners for any show in America. Catalogue free. Write your wants. Address

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Again in the lead, winning four firsts and five seconds at Greater New York. We have won in all sections of the United States and found New York no harder than some of the other great national shows. The breeder that wins in different sections against nearly all the big breeders is the fellow that has the goods. **Look up the records.**

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We have reduced expenses and can afford to sell cheaper than ever before. First find out who has the quality and make your purchase a business proposition. As specialists we not only offer better quality, but at cheaper prices. Our over-head expenses are not half what other breeders have that handle no more birds. One price to all. Exhibition males, \$5 to \$50. Exhibition females and breeders, \$5 to \$25. **Yes, these are the best to be had at any price.** Order early and secure the pick of 1,000 birds. Catalogue free.

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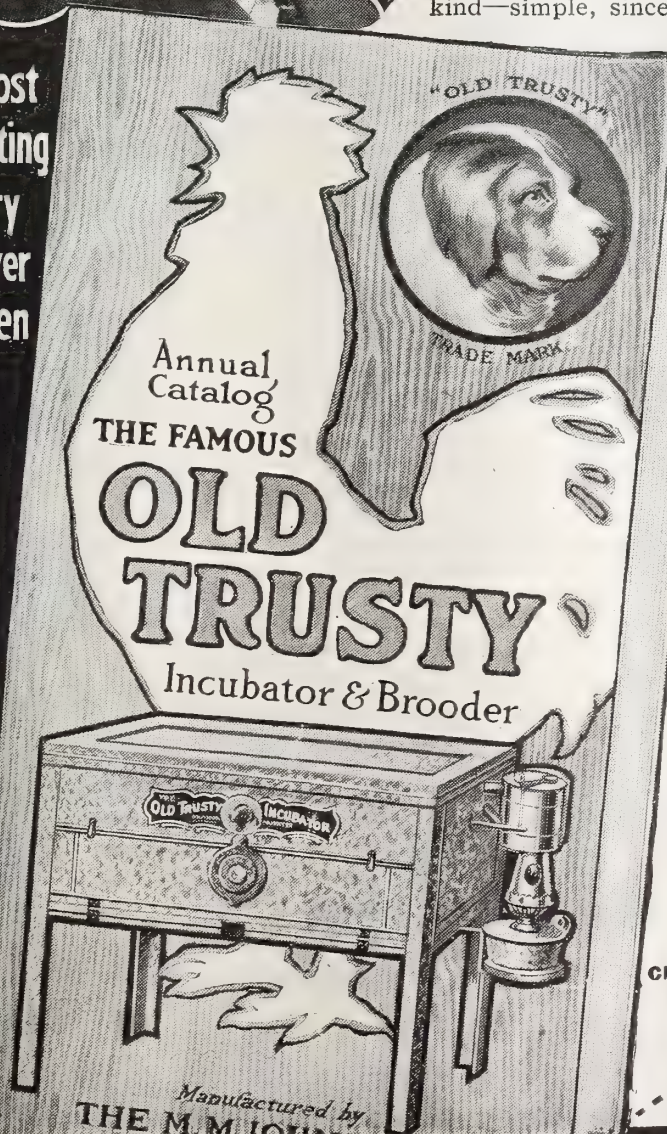
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This record has never been equalled in a show of this class before, as every bird we entered won, and beat every competitor; we won 49 points against 21 for all our competitors combined.

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## Aldrich Poultry Farm

5075 North High Street

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Columbus, Ohio



# AMERICAN POULTRY JOURNAL

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No. 11

## What Is the Cost of Producing Eggs?

Does Anybody Really Know? Egg Farms and Experiment Stations Might Answer This, But Don't Dodge the Expenses Above Mere Cost of Feeding. *By Prince T. Woods, M. D.*



HAT does it cost to produce a dozen of the best quality new laid eggs? Do you know? Does anybody know?

The poultry papers and other periodicals are full of all sorts of tommyrot telling about the big profits to be made in the poultry business. We are told that "figures don't lie," but, as has often been said, "liars often figure." Figuring poultry profits on paper has produced a good many remarkable statements, but most of them are lacking in satisfying details.

The worst thing about some of these "golden dreams" is that they do deceive a good many people, who lack experience with poultry, and tend to hurt the legitimate poultry business. The beginner seizes a few wild-cat statements concerning profits, gets his pencil and soon builds himself up a sure enough "get rich quick" business on paper. Then he may try the real thing. If he has the sand and pluck to stick, after he finds that figures on paper and the real business are not the same, he often wins out and makes a success. There are a good many though that don't bear the disappointment well and make a fizzle of things in a year or so. If they had been given facts instead of fiction they might have been saved the loss.

The "pipe dreams" of golden eggs are doing more now than disappoint beginners. Food price reformers, housekeepers, buyers everywhere have been reading this polite fiction about enormous poultry profits and they appear to believe it. Every day some writer or lecturer storms away at the egg dealers and producers of eggs for daring to charge such exorbitant prices in order to reap such enormous profits. Every day some paper tells in big black type that eggs ought never to sell for more than 25 cents a dozen and to charge more is robbery. What do you think about it? Isn't it about time to try to put a stop to such nonsense and get to talking common sense?

We have visited a large number of egg farms, but we do not know of any that are making enormous profits. Some are little more than holding their own and paying the proprietor a modest living; some are paying a comfortable living to more than one family and show fair profits; a few are doing unusually well, but we don't know of any where the profits are any larger than they ought to be to pay for the hard work done on the plants and the interest on the capital invested. Producing market poultry and eggs is a good business for any man that likes the work, but it is not a "get rich quick" business and never will be. To make a business of producing first quality new laid eggs, nearly

any of our large cities, to sell for 25 cents a dozen the year around would soon break the bank of a millionaire. If you don't believe it, try it, and you'll be convinced.

Gaze on this from the pen of H. B. Green in October Poultry Tribune:

"Properly handled, there is good money in poultry for market purposes, even at the present high prices for most kinds of grain. Eggs can be produced at 10 cents to 12 cents per dozen at the present price of grain and they sell at 20 cents a dozen in most local markets in the middle west at this writing, September 10th, and of course, will gradually advance until they reach 40 cents or over. To the experienced poultry raiser the outlook for the business is very promising and it is worthy the most careful study and attention to learn the business thoroughly and thus conduct it in the most thorough and up-to-date manner possible."

Score one, Mr. Green, if you will show us how to do the trick we will give up editing a poultry journal and develop our egg farm. We have been through the mill a bit, but that needn't matter at all for we are willing and anxious to learn. We have the land and the buildings and it won't take long to get the equipment and the fowls. At present writing eggs are bringing 52 cents a dozen in the city thirty miles from our home for the fancy selected nearby product. If you will show us at present prices of foodstuffs how to produce eggs at a cost of even 15 cents a dozen we will be more than grateful.

We have known people who kept a few hens in a backyard and who did not count labor, housing, or any cost except food purchased, who claimed to produce eggs for as low as 8 cents a dozen, and at one time we thought we could produce for 12 cents a dozen, but we are cured of the illusion that it may be done where fowls must be housed in winter and where foodstuffs reach the prices they do f. o. b. cars in the midwest, plus freight here. We don't believe it can be done in the midwest.

For example, one of our experiment stations figured out the average amount of food consumed by a laying hen in twelve months. At September midwest prices this food for one hen for a year sums up as follows:

90	pounds, grain, ground feed and scraps.....	\$1.57
4	pounds oyster shells and 2 pounds grit.....	.03
2.4	pounds bone meal.....	.02
2.4	pounds charcoal.....	.01
10	pounds of dry cut clover.....	.17

Total cost of food one hen one year..... \$1.80

Bear in mind that the above is cost of food alone and it figures out 15 cents a dozen for the eggs, assuming that the hens average 12 dozen eggs a year each, and they don't



always do it. No provisions is made for cost of raw green food, for labor, housing, etc. Furthermore, if the poultry keeper made a practice of buying ready-mixed foods as many do, the cost of food alone for the hen per dozen eggs would be increased to 17 cents.

We spent a year in very close touch with the business



end of a 1,500 hen egg farm not long ago that went through periods of both high and low prices for foodstuffs. We could not get complete data concerning all food consumed as this was a commercial plant and not an experiment station. But we did get a very fair approximate of what it cost to keep a layer on that plant. Based on the data we obtained, we estimate that one egg farm hen will eat in one year about the following amounts of food:

60 lbs. cracked and whole grain at \$1.75 per 100 lbs.	\$1.05
30 lbs. ground grain and mill stuff at \$1.60 per 100 lbs.	.48
8 lbs. beef scrap with bone at \$2.50 per 100 lbs.	.20
4 lbs. crushed oyster shells at 50 cents per 100 lbs.	.02
2 lbs. grit at 50 cents per 100 lbs.	.01
2 lbs. charcoal at \$1.50 per 100 lbs.	.03
100 lbs. raw greens and vegetables at \$6 per ton.	.30
Water for one hen one year.	.01

Total cost of food alone for one layer one year.....\$2.10

Based on above table the cost of food alone to produce one dozen well-fed eggs is 17½ cents, assuming that the average egg farm hen will produce 144 eggs in a year.

Take a flock of 1,500 layers and they will be mighty fine ones if they average more than 12 dozen eggs per hen a year. Some hens will yield 200 eggs and over in twelve months, some will only lay 25 or 30 eggs and some will not lay at all. All the eggs that the egg farmer gets above 144 eggs per hen a year he earns and is entitled to all the "velvet."

In considering the table it should be observed that the prices of foodstuffs are estimated low. They were average prices for the year for purchases of three ton lots and over. The poultry keeper who buys in small quantities will today pay very nearly two cents a pound for all whole and cracked grains and in some cases more. If he buys commercial ready mixed foods he will have to pay over two cents a pound for all grains and mash, and beef scrap will cost him three cents a pound.

We expect and hope that the figures here given will result in discussion. Some will say the cost of food is figured too

high and others that it is not high enough. Perhaps some folks will cavil at the estimated cost of water. Well, it is made low enough and you don't get water for nothing, even if you think you do. Sit down and figure it out for yourself, but don't try to dodge expenses or fail to allow for things which heretofore you have assumed "cost nothing."

The table given above makes no allowance for any expense except food. Now, this 1,500 hen egg farm had the labor of one hired man and a horse besides the services and capital of the proprietor. The hired man and horse did most of the rough work. The proprietor furnished the capital, directed the plant, bought supplies and sold the product.

He figured roughly that the eggs produced cost him 25 cents a dozen on the plant when he included the labor of hired man and horse, feeding, watering, collecting eggs, cleaning, hauling supplies from station, delivering produce to station, etc., interest on capital invested in houses, yards and equipment and depreciation of same.

All that was received above the 25 cents a dozen for eggs had to pay interest on capital invested in laying stock and any depreciation on same, transportation of eggs to market at 1 cent per dozen, upkeep of plant, and services of the proprietor for overseeing plant, buying supplies and selling product. He certainly earned all the profit that was made. Don't forget that upkeep cost is real expense.

The low price received by that plant for the year was 20 cents a dozen for a brief period only and in season of best prices 65 cents a dozen was obtained. The average price per dozen eggs the year around for the specially selected product was 35 cents per dozen f. o. b. the farm station. Fifty cents a dozen would have been a more fair return, but it was not possible to get it.

About 90 per cent of the eggs collected on this plant were marketable as selected eggs. These would average 55 to 60 pounds net weight to the 30 dozen case, or practically two pounds to the dozen. They were shipped the



morning following the day the eggs were laid. Such well-fed eggs produced by healthy hens kept under sanitary conditions ought to bring 50 cents a dozen f. o. b. farm at wholesale for the selected product and 60 cents at retail delivered. We think that they are worth it and we don't consider five cents each too much to pay for selected new laid, well-fed eggs from well-kept hens. Think it over.



Now on the plant we are considering about 10 per cent of the eggs produced had to be sold as cull eggs for what they would bring. These cull eggs included washed dirty eggs, thin-shelled eggs, small eggs, cracked eggs, etc., and they averaged to sell at not over 25 cents per dozen. Practically at production cost or less, if the figures are right.

We have always heard a lot about producing eggs at 8 to 12 cents a dozen and for a time we believed that under favorable conditions the food cost per dozen eggs might be kept within 1 cent per egg, but we are forced to doubt it. Poultry keepers will tell you glibly how little it costs to keep hens and how cheaply they can produce eggs, but they don't supply satisfying details. Some will tell you bigger stories yet about excessively high cost. Who knows anything about it from carefully kept accurate records?

In 1907 we looked over the books of a White Leghorn egg farm carrying over 2,000 layers. The cost of food and hired labor on that farm figured up 21 cents per dozen eggs produced. The eggs averaged to sell for 27 cents per dozen, net. Out of the 6 cents per dozen profit the proprietor had to get his return for his own labor, interest on capital invested and depreciation. Most people would consider him very poorly paid.

On a Plymouth Rock egg and broiler farm we visited several years ago, when grain prices were lower, food cost per hen was \$1.80 per hen a year, eggs not used for hatching broilers sold for from 19 cents to 45 cents a dozen. When eggs began to go low in price the proprietor hatched more and turned them into chicken meat. He thought he could make the 19 cent eggs at a food cost of not above 12 cents a dozen and that the 45 cent eggs cost him about 19 cents a dozen for food. He didn't know and did not have sufficiently accurate books to prove it. Labor cost was not counted. In more than one way this man is a success. He went from a laborer's work in the city to a country farm and had to get a big mortgage on it. He worked early and late and worked hard. It was several years before he could get along without getting day work on other farms. He now has a one-man eggs and broiler plant and earns about \$1,000 a year, or a little more, profit to pay for his own labor. It took him a good many years to get out of debt and what profit he gets he makes out of his 45 cents per dozen eggs and broilers at \$1.50 per pair. He isn't paying his bills with the profits from 19 cent or 25 cent eggs you can be sure. Does anyone begrudge such men their hard earned living even if it is better than some city jobs? These are not exceptional cases.

We would like to see experiment stations and egg farmers all over the country take up this matter of cost of production. We are not satisfied with the figures given herein, but they are not far wrong we feel sure. But, for heaven's sake, when you figure cost of production, figure the real cost of production and don't dodge the many upkeep expenses of a practical egg farm. We don't care how cheap the "back lotter" gets his eggs, we'd be glad to learn that he got them for nothing—if he only does so honestly. But we do want to know what it actually costs to produce the best quality new laid eggs that are sold as "selected fancy fresh laid" or as "nearby hennery" and "this-day laid" eggs when they are produced under up-to-date sanitary egg-farm conditions.

Eggs that are collected and then shipped some distance are another matter, but we'll wager that it is seldom that the producer gets a new dollar for an old one when he sells these "farm" and "small producer eggs" to the collector, if the actual cost of production was really known. They cost less than the modern egg farm's special nearby product and they sell for less and are actually worth less. According to the proposed new national grading of eggs of the National Poultry, Butter and Egg Association there will be sixteen grades of regular market eggs, and these grades do not include the special "nearby hennery" product. The grades govern distance shipments in large lots and carloads. Undoubtedly they are all needed and each grade is carefully described in detail for the benefit of the trade. The best grade of the sixteen in this classification calls for a net weight of 44 pounds or over per 30 dozen eggs and states that they "shall consist of clean, fresh, reasonably full, strong, sweet eggs."

Such eggs are good, probably plenty good enough, but there are a lot of people who want something better and they should be willing to pay for it. When the first grade of the sixteen ordinary classes of market eggs is selling at 45 cents a dozen, the specially produced, new laid, selected eggs from the modern egg farm sell at from 10 to 15 cents more per dozen, and they should.

Personally, we firmly believe that an egg cannot be too fresh nor too good to be eaten by us. We want to know how the fowls are cared for and fed and we want a good, big, new-laid egg that is the best that can be produced. It costs money to produce the best quality of fresh eggs. We are willing to be shown how much it costs and we don't begrudge the producer his 50 cents a dozen net, if he can get it. He certainly earns his money and delivers good value. We don't hear any calamity howling about selected



fruits that sell for 5 cents each or more and carry small food value for the money, so why cuss the 5 cent egg so full of nourishment and so essential to the man who should be well fed?

We note that one experiment station man who should know better says: "In selling eggs at 40 cents a dozen the poultryman is getting 25 cents a pound for water. That is a pretty good price."

Gee whiz!! Yes, that is a pretty good price if the statement were really true. But it is a "slop-over." We've a lot of springs on our place we would like to cash in at the price, but we can't coax any hens to work it that way for us. There is water in all foods and in eggs there is considerably less water than in lean meat. Yet, if you bought four pounds of lean meat (which is 75 per cent water) for \$1, you would have hard work to convince the butcher that he was getting 25 cents a pound for three pounds of water.

Such arguments used to lure the unwary into poultry keeping with the idea of making wonderful profits, like selling a pound of water for 25 cents and making eggs for 10 cents a dozen at present prices of grain, are, to say the least, ill advised.



# Pullets Inherit Heavy Laying from Dam

Progeny from Cross of Pure Leghorn with Mexican Game Show High Fecundity in Pullets, Forging Ahead of Pure Leghorns.

By H. H. Stoddard, Riviera, Texas



EVER since it has been contended that hens may bestow an inferior rate of laying directly upon their pullets but that a superior laying rate cannot be thus bestowed, many poultry breeders are putting on their thinking caps and wondering whether in all these years their high valuation of daughters of hens that had been carefully trap-nested, with immense pains, and proved to be remarkable layers, was a mistaken valuation. They wonder, too, whether the \$800 Lady Show You's eggs will give cockerels loaded with the high fecundity principle, their sisters in this regard meanwhile not being worth expressage.

My experiments in crossing males of a notoriously poor laying breed with females of a great laying breed proved that hens can confer a high rate of fecundity directly upon their daughters.

The predominant characteristics of the common Mexican poultry is that of the Game. In fact, they may be properly called Black Mexican Game. The peons love cock fighting about as well as they love gambling and imbibing mescal. The prevailing shape of the birds is intermediate between the English fighting Game and the wild Gallus Bankiva. I said "common" fowls because in all parts of the world, before the era of poultry fanciers, poultry societies and poultry exhibitions arrived, the fowls were all common or "dunghill" birds, there being generally no pure strains bred to a particular type except that every county had pedigree fighting birds. The common fowls of different countries were different, but became different from local influences rather than selective breeding.

It is a fair inference that among the birds the first Spanish colonists brought to the New World were the original Black Spanish, not the modern Black Spanish, as we know them, but the raw material from which ours were developed. Indeed, black plumage, more or less adorned with either gold or silver, which is the universal type in Italy, prevails largely today in Mexican poultry. Also an ancient mixing with fowls of various countries must have occurred, among such a maritime people as the Spanish were, from a remote period, and from similar mixtures on this continent since the first settlement.

I have found a third type striving for expression. It is the Gallus Bankiva shape, resembling the fighting (not the exhibition) Game, yet less sturdy. A neat, trim, wild bird shape, suggesting plover or mourning dove and looking as if the fowl could take wing with as much ease as wild birds. Over and over again I have been involuntarily reminded of the Gallus Bankiva I had seen in pictures and also set up in museums, but have not been privileged to see alive, though always inquiring for them the first thing on visiting a zoological garden. This shape was inevitable as the wild original and the Games and Game Bantams are so much alike and, as I have said, Mexicans delight in cock fighting, but there are reasons for suspecting that climate and locality had also much to do with it. The small size and wild bird shape were brought about partly by the habits of the fowls and what they had been living on for many generations while running at large in or at the borders of tropical thickets.

Living very coarsely herself, the Mexican woman is the last in the world to pamper her fowls. In fact, the typical Mexicans of both sexes abuse horse, mule, donkey, goat, dog and every other animal they keep. Naturally the fowls, left to their own resources, roost in trees and get food and water where they can, hence the tendency in all half-wild domestic animals towards reversion to the original wild type has ample opportunity.

Like causes produce like results. All wild birds with very few exceptions are of a compact, trim shape. Witness the Mallard's neat, agile form as compared with the comparatively clumsy common barnyard duck and the Rouen, the shape of both these last showing a greater departure from the ancestral model than the plumage. The need of activity in procuring food and escaping from enemies evolved the agile form of the wild bird, and poultry accustomed as it has been for many generations to foraging for a living, tends to revert to the Gallus Bankiva shape.

Now, I was anxious, on first arriving at the Southwest, to try the Black Mexican Game and find what it was good for, especially as I did not at the time know how well or how ill poultry from the North would thrive here and thought it desirable to test the Mexican bird's laying qualities and also find out how a first cross with pure Leghorns would turn out, thinking that from the union of one race formerly accustomed to the fervid climate of Italy with another from still hotter Mexico, progeny that could stand this semi-tropical region would surely be the result.

I bred some Mexican birds pure, and also used pure Mexican males with pure White Leghorn hens as the most expeditious way to get a lot of half-blood pullets.

My pure Mexican hens were of all breeds the poorest layers and the most inveterate sitters that I ever became acquainted with in my life. My neighbors who tried them before I did, and since, and others in various parts of the state were unanimous in calling them the star non-layers. Colonel Blythe, the traveller from whom most knowledge of the wild Gallus Bankiva is derived, says that their habit is to lay about eight eggs and then sit. It is a fact that the fecundity of the Mexican hen is almost identical with that of the wild stock. Vigorous hens with brilliant glossy plumage and every indication of health, well fed and apparently in condition to lay six or eight dozen eggs before offering to sit, would never lay over a dozen and sometimes not more than six or eight eggs before becoming broody. Another remarkable thing was the early age at which they would wean their chicks and begin laying. I have known hens of this breed to lay five litters and hatch and brood five broods of chicks in the same year. To sit three or four times a year and raise a brood each time is not at all uncommon.

Without thinking about any striking result as regards laying my object being a test along the line of acclimation rather than fecundity, I found that my half-bloods were almost invariably good layers. Unattractive they were—plumage being either pure white or, through rarely, white with yellow and black blotches, and the legs being of appalling blackness. A curious thing to look at were the white bodies on legs black as the ace of spades.

Males, thoroughbred for centuries out of poor layers, mated with females as completely thoroughbred for heavy laying as any that could have been selected; in other words, the poorest and the best layers I ever knew in my life; and with these respective traits fixed and stereotyped for hundreds of years, gave pullets that in fecundity forged right ahead of pure bred Leghorns; and yet an ardent Mendelist says, *Maine Bulletin* 205, page 379: "High fecundity is not inherited by daughters from their dam."

## Extravagant Claims.

At first too much is claimed when an advance is made in science pure or applied. For instance, there were sanguine aviators a while ago who maintained that regular overland lines of airships would carry passengers, express parcels and even freight. The favorite claim of the "new" biologists is that Darwin erred in saying that species were generally formed by the cumulative additions of small variations. Yet after maintaining that progress is by leaps, they go on speaking of the heritability of minute charac-



teristics just as if they were writing in the sixties or early seventies. The culling out during generative processes of ancestral traits among billions of these all clamoring for expression was well described by Dr. Pearl, president of Animal Section of American Breeders' Association as follows:

"In the formation of germ-cells there is a sorting out or segregation of the hereditary characteristics contributed by the father and the mother and a readjustment of these into all of the combinations—both old and new—which are mathematically possible. \* \* \* The phenomenon itself is as certain as the laws of gravitation. It operates as well in regard to the minutest differences in the pedigreed specimens of the same sub-breed as in the wide differences of true hybridization." This utterance, be it noted, is dated 1913.

Now let us turn to that powerful writer, George Henry Lewis (date of 1874), and see how he recognizes the heritability of "the minutest differences" when the Darwinism was new.

He says: "The notorious facts of heredity show how habits once organized may become transmitted to descendants, so that the unnatural action of 'begging' when a dog is taught to perform it, may become a natural action in its descendants, requiring no teaching. Nay, this process underlies all development. The voluntary actions become involuntary, the involuntary become automatic, the intelligent become habitual, and the habitual become instinctive." And again: "The mind is built up out of assimilated experiences. Like the body, it is shaped through its history."

"What! Shall the trick of nostrils and of life  
Descend through generations, and the mind  
Imprint no records? Shall men bequeath  
The fancies of their palates to their sons,  
And shall the shudder of restraining awe,  
The slow-wept tears of contrite memory,  
Faith's prayerful labor and the food divine  
Of fasts ecstatic,—shall these pass away  
Like wind upon the waters tractlessly?"

The poet is right. There is no trait small or great, of mankind, the influence of which cannot pass to their descendants.

#### Inheritance of Acquired Characters.

The Mendelists could proceed scientifically in their attempts to improve domestic animals and the human race also, by means of the undisputed Mendelian laws without bringing the question of inheritance of acquired characters into discussion at all. But they generally seem bent on the claim that the gametes are the prime movers in heredity and that the individual they give rise to, no matter what its experiences may be during life, cannot transmit the results of these to the new gametes that are growing in its body. Where the gametes get their qualities in the first place the writers of the school we are speaking of do not say, but they are clamorous in the contention that individuals cannot bestow them. Professor Punnett, speaking of variations on which evolution depends, Mendelism, page 138, top, and following, says: "Two sorts of variations exist, those which are due to the presence of specific factors in the organism (meaning the gametes) and those which are due to the direct effect of the environment during its (the individual animal's) lifetime. The former are known as mutations, and are inherited according to the Mendelian scheme; the latter have been termed fluctuations, and at present we have no valid reason for supposing that they are ever inherited. For though instances may be found in which effects produced during lifetime of the individual would appear to affect the offspring, this is not necessarily due to heredity. \* \* \* Evolution only comes about through the survival of certain variations and the elimination of others. But to be of any moment in evolutionary change a variation must be inherited. And to be inherited it must be represented in the gametes. This, as we have seen, is the case for those variations which we have termed mutations. For the inheritance of fluctuations, on the other hand, of the variations which result from the direct action

of the environment upon the individual, there is no indisputable evidence. Consequently we have no reason for regarding them as playing any part in the production of that succession of temporarily stable forms which we term evolution. In the light of our present knowledge we must regard the mutation as the basis of evolution. \* \* \* as the material upon which natural selection works. For it is the only form of variation of whose heredity we have any certain knowledge."

Notice that our author's language is in this instance guarded. He does not say outright that the effect of "fluctuations" cannot be represented in gametes, but that "there is no indisputable evidence" that it can be. And further on, "the only form of variation of whose heredity we have any certain knowledge" is variation in the gametes. The professor evidently hedges, and well he may. In other passages, however, he speaks very positively.

The real truth is that we have "no certain knowledge" of the gametes ever getting an iota of any heritable quality in any way at all except through the life experience of their hosts, the individuals. The claim that the character of the gametes (the spermatozoa and the ova) is not changed through long ancestral ages by influences proceeding from the bodies and minds of the individual animals through past ages, is one of the most preposterous things any biologist ever set forth. "What," says some one, "are not the eminent professors who say acquired characters cannot be transmitted, learned, studious, candid, careful and all that?" The answer is, yes. And they are just the men exactly to fall into a stupendous blunder. They are hard workers who think a great deal. A president of a firm starting with one workman and growing in twelve years to employ 15,000 men once bought machinery to the value of \$95,000 that turned out to be a failure. He said to me: "I have worked hard and incessantly and accomplished many, very many things. The fellow who does nothing never makes a mistake."

Some of the strongest minds and ablest scholars in New England caused a man to be executed as a wizard. He was a common, uneducated individual but knew more about the witchcraft question than all the learned divines in the country after all their study of it. He pronounced it a delusion, suffering a cruel death therefore. Over and over again through all history the bigger the authority the bigger the mistake.

On page 181 of the book above cited Professor Punnett claims plainly that the qualities of men and women, physical and mental, depend primarily upon the inherent properties of the two gametes, ovum and spermatozoon, "which went to their making." Note the word "primarily." Professor Punnett insists that the quality physical or mental originated in the minute germ specks, not in the nature or growing individual animals themselves. Now hear him further: "If the mathematical quality has been carried in by the gamete (germinal speck) the education of the zygote (individual person) will enable him to make the most of it. But if the basis is not there, no amount of education can transform that zygote into a mathematician. This is a matter of common experience. Neither is there any reason for supposing that the superior education of a mathematical zygote will thereby increase the mathematical propensities of the gametes which live within him. For the gamete (spermatozoon) recks little of quaternions."

It is the last sentence to which I would call the reader's special attention. The very fact that the germinal cells, mere specks of protoplasm which start the individual life of all animals, do not and cannot directly know or perceive anything occurring in the outside world is what I insist on. They have no organs, senses, parts nor passions that can take notice of certain phenomena which the individual has cognizance of constantly. The body has such faculties. Where do the germinal microscopical specks get their heritable qualities except through the medium of the body that enfolds them and grows them?

But just at this point a beginner must be on guard. The full development of any particular gift must not be expected to be inherited but the aptitude merely. "The gamete recks not of quaternions" but in a long ancestral line of gametes the mathematical practice of the persons in whose



bodies they are grown bestows mathematical qualities upon the gametes to be bestowed in turn upon future generations of persons.

#### Dodge the Question.

Most of the whole school of professors who, as is natural, magnify the importance of Mendelism insist that the germs are the primal source of all improvements, and of all the myriads of variations which, by the survival of the fittest, enable variations (incipient species) to change into real species, always dodge the question, where do the germs acquire their qualities?

The way they squirm and wiggle when it comes to that is amusing. When it is a question of the body bestowing character upon the germs it produces, they know. Oh, yes, they know. And know to the contrary. If they are so cocksure, then why do they say they know nothing at all

tor never had the hardihood to insist that no egg ever derived characters from the bird which laid it. But in this day and generation comes a corps of learned men who insist that the fructified germ is primary to the whole business, and have the hardihood to say that the germ derives no traits whatever from its parents. That "analysis will not take us" to where or what under heaven it does derive them from!

Let us turn from Professor Punnett's sophistry concerning mathematical talent, to Mr. Lewis' clear exposition concerning musical talent.

"In discussion on heredity it has not been sufficiently recognized that only results can be inherited, and that every modification of structure is the issue of many complex experiences. Could one experience be isolated from prior and posterior experiences, it might be transmitted from parent to child; but each experience is not only complicated by



Some of the runs of Wm. Cook & Sons' Poultry Plant, originators of all the Orpingtons, Scotch Plains, N. J. All new runs now have steel posts set in two feet of cement. In the Fall, runs are sown with wheat.

about where the character of the germs does come from? Our writer, page 135 of the book cited, says: "Instead of looking at the individual as a whole, which is in some vague way endowed with an individuality marking it off from its fellows, we now regard it as an organism built up of definite characters superimposed on a basis beyond which for the moment our analysis will not take us." The "basis" Professor Punnett refers to is plainly, by the context, fertilized germ consisting of an ovum and a spermatozoon united in one microscopic cell. He repeatedly calls this cell the primary source of the individual's character, with emphasis on primary. While refusing to say where the cell got the qualities it bestows, he declares it never got them from an individual animal. He says "analysis will not take us" on the quest concerning where it did get them. But anyhow the cell "recks not of quaternions;" in other words, the next germinal cell is not influenced at all by what happens in the life experience of the body that produced it and in the whole universe that surrounds it, except, of course, in the mere physical matter of nutriment.

In the famous ancient problem of the priority of egg or bird, the arguer who claimed the egg was the prime fac-

prior experiences, its transmission is complicated by the influence of the other parent. A musical aptitude will be inherited, but no particular melody. The aptitude represents a modification of structure whereby the response to auditory stimuli takes a melodic form; but any particular melody is the form which this general aptitude takes under very special and complex conditions. In other words, the inherited organism is predisposed to play tunes of a certain character but the music it will give forth must depend upon the player.

"What we inherit is modified structure, and with that, the aptitude to act in a certain way under certain stimuli, but the inheritance of the historical result is not the inheritance of the incidents which severally converged to that result, nor of the consequences which issued from the result under special conditions. Thus the tissue of the lungs subjected to certain influences becomes so modified that tubercle is formed. The child may inherit a tuberculous diathesis but cannot inherit the causes which originated the tubercle."

Inherent aptitude in the individual comes not from gametes alone, but from both gametes and zygotes, new, and ages old.



# Is There Merit in Close Breeding?

Why Run the Risk of Multiplying Hidden and Undesirable Tendencies to Gain Little and Lose Much. *By H. E. Nospy*



THE subject of inbreeding is one that will make even laymen in poultry culture sit up and take notice. Heretofore we have not stopped to ask the reason why, because the observing poultryman will tell you that he has seen the evil effects of inbreeding in his own flock of poultry, and he has been reading of the evil effects in other folk's flocks ever since he subscribed to his first poultry paper. Now, in the year of our Lord 1913, the editor of an obscure poultry paper comes forth, backed by the supposedly good health of the "British aristocracy"

after years of inbreeding and allows us "to find out" the real facts in the case. Also a few of the leading biologists at the state stations produce "facts" to show that the poultry press has for many years led us astray on the subject.

To an intelligent person it would seem that the subject of inbreeding could easily be solved. Certainly if a half dozen or more of the stations took up the work we might know in the course of, say, ten years where we stand. As it is today, has anything been proved? My apologies to the above mentioned gentlemen.

I have been interested along this line for a number of years and I have experimented somewhat and noted experiments of others, but such work could in no way be used as proof. One experiment is of such meager value that its worth, unless conducted under similar circumstances and compared with identical experiments, is practically nil. This is indisputably true of breeding tests.

That my neighbor inbred a flock of thoroughbred fowls for five years with no introduction of new blood, and that at the end of that time they lacked stamina, that they showed decided sterility, although during these years the most rigid selection of breeders was exercised, will not prove conclusively that inbreeding is to be avoided. What we want are the real facts in the case, proved and published for the benefit of all poultrymen.

The gentlemen above referred to make much of the fact that the best improved strains of live stock have been brought about by inbreeding, but they do not take into consideration that in most, if not all, cases the very foundations of these strains were brought about by out-breeding or crossing, and this crossing was naturally for the purpose of improving the flock. The good features of a properly selected cross will make themselves felt through generations. I do not say how many, for I do not know—we want the gentlemen in charge of such work to prove these things for us.

Dr. Pearl in Bulletin 214 of the Maine station says:

"The introduction of new blood for purposes of rejuvenation or reinvigoration, which is one of the commonest practices of the poultryman, is, as ordinarily done, one of the surest ways to prevent any real or permanent improvement of his stock by breeding. The difficulty here is that when one introduces new blood he runs the risk of introducing a whole set of characters inferior in their degree of perfection to what he already has in his own stock. The real cause which so frequently leads poultrymen, who should know better, to take this risk is a failure rigorously to select breeding birds for high constitutional vigor. The average poultryman finds it very hard to discard some particularly fine specimen just because it shows a little weakness in one way or another. He is disposed 'just this once' to let the bird by, and use it as a breeder. This practice continued will make 'new blood' necessary for rejuvenating purposes."

The foregoing cannot be said to be the case with most farm flocks of poultry for there we find common dunghill,

common crosses, common grades and just plain, ordinary flocks of farm poultry, but nine times out of ten where new blood has not been introduced for a number of years we find every indication of its being needed. Practically every farmer's flock will go "to pieces," as he will tell you, after a few years unless a new cock is occasionally introduced. I have noted a good many of such flocks of poultry and I have never known of a bird that showed indication of weakness, or a noticeable lack of constitutional vigor being kept to breed from, simply because it was good otherwise. In very many of such flocks the birds roost in the trees and are for generations strictly open-air bred. They are naturally strong and hardy but they do deteriorate in size and in vitality and show a marked lessening of generative powers, where new blood is not introduced for any number of years.

The statement has been made that the greater number of persons undertaking the reproduction of animals, of whatsoever kind, produce inferior stock because of bad judgment in mating and subsequent ignorance of proper methods of growing. There is probably not one person in a thousand, or perhaps ten thousand, capable of selecting and mating fowls that are free from similar hereditary tendencies that might result in a lack of vigor, or in obscure disease, or a tendency to disease in the offspring. Where is there such a breeder? We are only beginning just now in a very small way to exercise a little thought in this direction in the human race, and even though a few of us have watched the work of many breeders of poultry and dabbled a bit in it ourselves we cannot be classed as competent to undertake intelligently a work of this kind. That is why we are all crying for the facts.

The test for determining the wisdom or folly of inbreeding should cover a multitude of things. Under this head would come power of endurance, susceptibility to disease, general style and make up (meaning general activity or the opposite, a "born tired" condition), laying ability, size of eggs, weight of eggs, fertility of eggs, hatchability of eggs, livability of chicks, growth and development of chicks, with the same things considered through the succeeding generations for a period, we will say, of ten years. The influence of food, housing and other conditions under which such tests were made would necessarily have to be taken into consideration and should be as nearly identical under all tests as possible. In the matter of the food, the same grains, green foods, etc., should be provided, allowing the fowls to do their own selecting.

Naturally only the best specimens should be kept each season to reproduce their kind and the unfit in either case (inbred or otherwise) should be weeded out. In the wild state the unfit are carried off by lack of vigor, or scarcity of food and water, or hardships under which the wild animal or wild bird must exist, and, consequently, when under man's supervision, the weeding or sorting out must be done by man, and only fit specimens kept to perpetuate the breed. Who among us can do it thoroughly? Not one in a thousand cull their flocks often enough, and very few among us know how to cull for health and vigor in the progeny. But is it not a fact that the only way to improve the breeds of poultry is by increasing their bodily vigor and their productivity, while at the same time using all possible means to repress the reproduction of the unfit?

We hear much at present of family history and genealogical descent of individuals, but it is slight in comparison to the extent to which such matters were carried in older nations in more primitive times. Undoubtedly these records in early days were first kept for the purpose of showing the property holdings descending to the members of a family. The purpose was not in all probability to determine how or where certain characteristics were inherited, but



the keeping of these pedigrees brought about these very facts, and in time they were the means of establishing certain laws regarding the intermarrying of relatives, since the evil effect of such intermarrying was noticeable in the records of such marriages and the families resulting from them. In the case of the British aristocracy, which one writer has referred to, the inbreeding has been done most guardedly. In fact, if poultry were bred along such careful lines it would not be considered inbreeding.

The evils of inbreeding have probably interested mankind since the days of Adam's grandchildren, and many men of many minds have devoted years of study and thought to it. The greater part of the published statements on this subject, however, refer to mankind, the facts of which are not wholly comparable with the inbreeding of



A famous winning Madison Square Garden Bronze Turkey Tom, bred and exhibited by Bird Bros. of Meyersdale, Pa.

animals, since in humans the mind must contribute a more or less direct influence in such cases.

In reference to the inbreeding of pigeons A. H. Huth, in "Marriages of Near Kin," states that according to J. Seabright there are fancy pigeons having some particular property which constitutes a supposed value and is increased by breeding in and in, until the particular quality is made to predominate. That in some of the most refined sorts they cannot exist without the greatest care and are totally incapable of rearing their young without the assistance of other pigeons for that purpose. This inbreeding was continued until the degree of sterility was such as to lose the breed. Dr. Woods, in his book, "How to Raise Chicks," cites such a case in the following: "A noted pigeon fancier, who has bred a lot of good ones the past thirty years, told me that he had to inbreed very carefully and that he had always kept a record of all of his birds from the start and could know the relationship by reference to his records. He had found that too close inbreeding produced undesirable results, loss of vigor, 'idiocy' (and he showed me some pigeon 'idiots' to prove his claim—they surely looked and acted the part), less resistance to disease, diseases of the nervous system and liability to fits. He considered breeding brother to sister the most harmful form

of incestuous breeding and stated that he had proved to his own satisfaction that it was not wise to breed closer relationships than uncles, aunts and second, third and fourth (or more distant) cousins. If this is true in pigeon breeding, why is it not true also in poultry breeding?"

And why, indeed? Yet the advocates of inbreeding are telling us, without the proof, that one of the basic factors "which makes for success in practical breeding is inbreeding."

A poultryman of wide experience, who is engaged in the poultry and supply business and who visits the leading fanciers and commercial poultrymen throughout the eastern section of this country, was discussing the subject of inbreeding only this week. His statements are worthy of wide circulation. He claims that of all the fanciers whose plants he has visited only one is following along the lines of close inbreeding, and that this man's stock shows in a marked degree the evils of continued inbreeding. By inbreeding, be it understood, he refers to the mating of father and daughter, mother and son, brother and sister, or where the relationship is close. On one occasion, while on a visit to this fancier, he assisted at the slaughter of numerous weak, lifeless specimens, showing that the strain has run itself out for the lack of new blood. He believes that there are fewer people closely inbreeding today than there were ten years ago.

Perhaps if I, or my neighbor, were capable of making the proper selections we might inbreed our flocks of poultry for some time with little serious result, but I cannot see wherein we gain anything, while running a heavy risk of robbing good stock of its best quality—that of vigor. The injury to the offspring in inbreeding arises from the "multiplication of pathological germs of the same nature." This influence must of itself weaken the offspring of relations, and it is confirmed in the human family by the frequency of sterility and of miscarriage, and the appearance of diseases new to the family. "The best proved results of these unions," according to Signore Paolo, professor at Pavia, "are failure of conception, monstrosities, disposition to nervous complaints, scrofulous and tubercular troubles, lowered vitality, high rate of mortality among the young, small generative power and pigmental retinitis." He further states the nearer the kinship, the greater the danger.

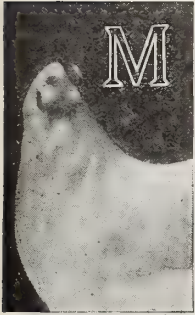
In the human family it has been found that a large per cent of the offspring of first cousins are defective. Deaf mutes are frequently the result of such unions. J. Scott Hutton, investigating along these lines, found in a school for deaf mutes at Halifax, Can., out of one hundred and ten deaf mute children of whom any definite information could be obtained, fifty-six were the offspring of cousins. Along this line I recently had recourse to the carefully kept records of an investigator who for many years was associated with Dr. Alexander Graham Bell, whose work in the interest of the deaf is well known. These records show plainly that a little peculiarity, such as left handedness, or a strangely peculiar squint to the eye, or an inclination to deafness, has been inherited from a grandsire. The offspring marries perhaps a second cousin, who likewise is descended from this grandsire. The children of this union are rarely if ever normal. The left-handedness is now exaggerated into a lack of ability to use the hands with any degree of skill, the squint to the eye becomes a positive deformity, the deafness is absolute. In numerous cases the cousins marrying were each apparently in every way normal. They showed no abnormality, but the "multiplication of the pathological germs of the same nature" in the offspring brought about an exaggerated form of the original defect in the grandparent. In tracing these peculiarities in families where defects in the offspring suggested an investigation it was found that the original defect was often in the great-grandsire, or sometimes even farther removed. There was always the possibility that had not the descendants intermarried the defect might have been bred out, but wherever the "multiplication of the pathological germs of the same nature" took place the defect in some form showed up.

Are we prepared to go on record as advocating, without proof of good results, the inbreeding of domestic poultry?



# Inbreeding, Outbreeding, Line-Breeding

Selection Is the Key to Success in Any System of Breeding. Strict Line Breeding Will Sometimes Intensify Weaknesses. *By Charles A. Simmonds*



ANY fanciers have the mistaken idea that to produce birds that will excel in standard points it is necessary to inbreed closely. About twelve years ago, when I first became interested in the poultry business, one of the first articles I read in a poultry journal described a system of line-breeding and illustrated the Felch chart, which is a system of inbreeding carried through six generations without introducing new blood, but mating father to daughter and mother to son. I doubt if ever a breeder followed this chart entirely. If he did he certainly started with a pair having powerfully strong con-

stitutions and ended with a worthless flock of weaklings. But to a beginner (who is much less able to successfully inbreed than an experienced fancier) the advantages of the system sound good and so does the argument that as inbreeding magnifies and intensifies the good qualities of the birds bred it would also intensify their weaknesses and that by careful selection, using only birds of strong constitution and never mating together birds having the same defects, one might inbreed continuously without the strain showing any loss of vigor. Granting that it is possible to inbreed continuously, there is certainly no advantage in it and the heaviest layers and the greatest winners are not produced that way. In fact many of the first prize-winners at the countries' largest shows are the product of an out-cross, though the majority are produced by line-breeding.

Selection is the key to success in any system of breeding. But to practise selection there must be variation in the type and characteristics of the birds to be selected. Talk about inbreeding continuously by always selecting strong individuals and never mating together male and female having like defects. What are you going to do when there are no vigorous birds to select and when all have the same defects and the same weaknesses, as they eventually will if inbreeding is continued long enough? No, you cannot mate birds closely related year after year and hope to be successful. But perhaps you are one of those breeders who believes in "introducing" new blood, "when necessary." Why wait till it becomes necessary? Why not mate your birds so that they are always strong and vigorous without resorting to an out-cross to infuse vigor. For while out-crossing is all right for constitutional vigor and fertility it will destroy type, egg-production and fancy points. It is not profitable to breed heavy egg-producers if you do it at the expense of fertility of eggs and livability of chicks nor is it profitable to breed strong vigorous birds from which one can almost produce a mature fowl from every egg set if in doing so one must sacrifice type, egg-production and size and color of eggs or fancy points. Neither is it necessary to sacrifice any one of these desirable qualities if one will only mate along rational lines, along the lines that the best individuals of other kinds of live stock are produced.

Inbreeding in the human race will not apply to the breeding of the lower animals so well as many writers would have it. For instance, there is the oft-quoted example of the intermarriage of the children of Adam and Eve, and the descendants of Abraham. These instances of incest resulted in producing strong and vigorous races, but can we find in the races of mankind at the present day individuals so strong physically and so well balanced mentally from which to quote instances of the result of incest? After a little thought I believe you will agree with me that no such people exist today. In the human race we have the power of thought, the will power and a highly organized mind by which the man neglects and in a measure loses his natural instincts, places himself in unnatural environments and creates unnatural or abnormal appetites for drugs and various forms of pleasure.

The above mentioned people of Bible times, while possessing the same faculties of mind, did not have many of them so highly developed as the oldest civilized races of today. They lived close to nature and did not devote themselves to professions or trades tending towards the development of only a few faculties of the mind or a few muscles of the body.

The lower animals do not possess the power of thought, but are guided by instinct which has been developed by natural selection of the survival of the fittest through countless ages

and is therefore not easily lost, even through many generations of domestication and disuse.

I have noticed that children resulting from the union of cousins in the human race are generally normal and fully equal to other children physically, but are generally simple minded or abnormal mentally, which would tend to prove that the mating of cousins in the lower animals would not result in any loss of vigor. And thus we cannot prove by examples in the human race that the practice of inbreeding the lower animals will result in weakening the strain nor can we prove that it will not result in weak progeny except when it is only practiced in a mild form or for very few generations.

Not only most breeds, but many strains as well are descended from and owe their distinctive characteristics to a single superior individual. But how different from the methods of the breeders of other kinds of live stock is the method employed by the average poultryman in endeavoring to fix upon the strain the superior type or character of the individual specimen. The average poultry breeder believes the only way is to inbreed as closely as possible, only introducing new blood "when necessary." The breeder of other kinds of live stock will occasionally mate animals closely related, but never for successive generations, and always aims to introduce the blood of his best individuals into as many strains or lines of blood as possible so as to be able to breed animals strong in his or her blood in the future without inbreeding. With a female this is not so easily done, as it is not possible to mate her with more than one male in a season and know the sire of her chicks. But with a male one may mate him to females of several strains, using trap-nests or changing the male from pen to pen every few days. The next season father may be mated to daughters and half-brother to half-sisters which is close inbreeding, but you need fear no deteriorating results, as all but the original male were produced by out-breeding, and you will not need to inbreed in the future or to mate any but distantly related birds. I have before me a chart showing a male mated to females of two different strains and the progeny inbred the next season. The lines were then carried out for eight generations from the original male, new blood introduced twice and no inbreeding practiced after the first generation from the original male. The eighth generation birds were produced, having 31 parts the blood of the original male A and 32 parts the blood of other individuals or 8 parts the blood of E, 10 parts of B, 8 parts of D and 6 parts of C. Had the birds been bred from a single pair there would have been 31 parts the blood of the original male and 32 parts the blood of the original female, which would not have given the blood of the male any dominance over that of the female in determining the character of the progeny. But where the birds contain 31 parts the blood of the original male, against 32 parts the blood of four other individuals, no one of which has contributed more than 10 parts of blood, it is easy to see that the blood of the male is strongly the dominant blood and will give progeny having uniformly the type and character of the original male. A bird so bred will show great dominance over its mates if they were produced by out-breeding or haphazard matings. But that anyone would want to carry the blood of one male the dominant blood for eight generations is not likely, I simply show how it can be done without continued inbreeding. In producing a new breed one often desires to confine himself to the blood of an individual as much as possible for several generations, but in breeding an established variety one should be able to produce several individuals each season that excel those produced the year previous. When one has a number of fine individuals that possess uniformly the characteristics desired in the strain it is not of any advantage to keep closely within the blood of any one!

I hope that the beginners in poultry breeding who may read this article will see that inbreeding and out-breeding are about equal in advantages and disadvantages and that as a system to be used continuously generation after generation neither is desirable, but that used for special purposes both are of great value. The average breeder often inbreeds for a generation or so, but buys a few birds or a setting of eggs every year or every few years (according to the number of pens he mates and number of lines of blood he carries) so as to have a number of lines of blood all within the same strain and with which he is familiar and can mate for the best results to secure his main crop of chicks without close inbreeding or out-crossing.



# The Production of Certified Eggs

The Highest Quality Product for Supplying  
the Highest Quality Trade. *By John Y. Beaty*



**C**ERTIFIED EGGS GATHERED and shipped daily from hens scientifically fed.

That's what it says on the box in which you receive your eggs from a certain grocer in San Francisco. This name is used because the eggs are produced under scientifically sanitary conditions and a certificate to that effect accompanies each dozen.

The certificate is made by a veterinary who inspects the plant and the stock every month. This certificate is printed on the cartons and is assurance

to the consumer that the product is of the high quality that is paid for. The usual form of the certificate is as follows:

"This is to certify that I have made my monthly tour of inspection over the premises of Seaton and Sons Poultry



BROODER HOUSE FOR 20,000.

This house is 285 feet long and 20 feet wide. It has a capacity of 20,000 chicks, which is the number raised to get 12,000 laying hens. It is divided into ten pens, each of which is heated with a brooder stove that burns distillate oil. The oil is supplied from a large supply tank at the farther end and is piped to ten ten-gallon tanks on the outside of the pens. From the ten-gallon tank a pipe is run under ground to the brooder stove.

Farm and have found conditions perfect, including the birds, feed, and surroundings.

"L. H. Mathers, D. V. S."

Certified milk has been used for several years, but so far as known, this is the first case of the production and marketing of certified eggs. The success met with by Seaton and Sons indicates that the certified egg will soon be a common thing—at least as common as certified milk.

Certified eggs are sold at two or three cents above the highest market price and those who have used them believe that they are worth the additional cost. The greatest value lies in the fact that certified eggs are far less likely to carry disease.

Carry disease? Yes, it is gradually becoming known that eggs as well as milk carry diseases such as diphtheria, chicken pox, scarlet fever, and many other contagious diseases.

But how does the disease germ get into the egg? Some come through the food of the hens and some develop in the body of the hen that lays the egg. Poultry is heir to many diseases exactly like those affecting human beings, but they are commonly called by different names. Roup is considered by many authorities to be the same as diphtheria in man. And in the same way, the other ailments of poultry may be found to be the same as some disease of another name that claims human lives.

Poultrymen knowingly, yes and knowingly in many cases, are feeding meat scraps and other foods that are made from flesh of animals that have died with serious diseases—dis-

eases that are transmissible to man. But in the production of certified eggs, the choice of foods is made just as carefully as for human consumption and so there is little chance of transmitting diseases.

After many years of study along this very line, Mr. E. D. Seaton and his two sons, all college graduates, have come to the conclusion that by feeding only meat scrap and ground bone that is known to come from healthy animals, the danger of infection through the eggs will be removed. In other words, the commonest source of disease transmission through eggs is the meat scrap fed to the fowls.

The advantages of using certified eggs are outlined in a small circular published by Seaton and Sons as follows:

1. Doctor's monthly certificate of inspection.
2. Sanitation and hygiene.
3. Eggs from healthy and vigorous stock.
4. Our eggs are gathered and shipped daily.
5. Scientific feeding.
6. No commercial meat scrap or meat of a like nature fed.
7. Intensive application to produce the best.

In addition to these an extract from a letter written by Dr. Harvey W. Wiley, formerly Chief of Bureau of Chemistry of the United States Department of Agriculture, indicates the danger of transmitting disease through eggs.

Dr. Wiley writes:

"I think the feeding of decayed, diseased, or unfit meat to poultry is highly prejudicial.

"The danger of spreading disease among animals, and of communicating it to a human being, by the feeding of diseased parts of animals is so great that it should call for immediate attention on the part of the authorities controlling the commerce of such bodies.

"Not only should poultry be protected against such contamination, but human beings from the diseases which would result therefrom."

It is not much more expensive to produce certified eggs than it is to produce eggs carelessly from a poor flock. Moreover, the advantages to be derived from their production more than overbalance the additional expense.

In the first place, the price at which they may be sold is two to three cents per dozen higher than the highest market price and this premium is likely to increase with the education of the public to the value of certified eggs.

With a contract for the sale of the entire output of certified eggs, one always has a sure market, and a more appreciative market—a market with a character to it. People who buy certified eggs buy them with a purpose and appreciate



FLOCK OF 155-EGG HENS.

In spite of the fact that this is one of the pens in a 12,000 hen flock, they produced an average of 155 eggs each last year. They are kept in long houses accommodating 2,200 and have a double yard in which to run. The yards are plowed every month and the houses are cleaned every day. Such sanitary precautions together with an excellent system of feeding make it possible to get a high yield from the large flock.



what they get because it is of a higher quality than what is ordinarily bought.

Such a market is not to be found in a day, however. You can no more find a ready made market for certified eggs than you can find a ready made market for a new mechanical device.

The Seaton market was developed by publishing small circulars which were distributed to the customers of the grocer that has the contract for the output. The educational campaign has extended over three years and the market is not entirely perfected yet, but enough has been accomplished to show that a trade can be developed. The present demand takes all of the eggs produced by a flock of 12,000 White Leghorn hens that averaged 155 eggs each last year. That, by the way, is a mighty good average for such a large flock. The average egg production for flocks of all sizes is only 80 per hen according to government statistics.

To tell how certified eggs are produced is to describe the methods used on the Seaton farm inasmuch as it is the only one producing them.

The three main points in the egg production there are: Health, sanitation, and feeding. The three go together, but

summer they are plowed once a month, that is, one of them is—only one being used at a time while green stuff is growing in the other. Plowing the yards avoids the danger of disease that often arises from allowing poultry to run on the same soil for a long time. It also gives the birds an opportunity to get elements from the soil that are needed but that are not furnished in the food.

The supplying of the needed elements is the chief feature of the feeding system. Analyses have been made of the foods, the eggs, and the bodies of the chickens. This analytical work is done on the farm—that's where the college education is put to use.

By comparing these analyses it is easy to see what needed elements are not being furnished in the foods. After exhaustive studies of this nature, Mr. Seaton worked out a compound of mineral salts that seemed to be uniformly lacking in the food, especially in winter, and experimented with it.

The compound thus determined theoretically has proved to be good when put to practical use. It has been tested for over two years and has been changed but little during that time. Its main ingredients are as follows:



Toynton Rectory and Miss Carey's Orpington Farm seen from the distance.

each has its special importance.

Health is maintained by carefully watching the entire flock, by providing plenty of fresh air and exercise, by proper feeding and by the unusually favorable climate in California. As soon as a bird is noticed to be listless, it is removed to the hospital pen which is far removed from the laying flock. If there is no hope of a speedy recovery, it is killed at once, for the period of usefulness on the Seaton farm is only two years, and any malady that is more than temporary is not worth doctoring.

Fresh air and exercise are assured by two large yards provided each house. The houses are 250 feet long and 20 feet wide and are made to accommodate 2,200 layers. A large yard is provided on each side of the house and each of the 2,200 birds has the opportunity to exercise in the entire space—and they all take advantage of the opportunity, too.

With so many hens in one flock, the most rigid rules of sanitation must be followed. The dropping boards are cleaned daily, the work being facilitated by a car that runs on a track at the edge of the boards. The droppings are quickly scraped into this with a wide hoe and the load is then run out at the end of the house and dumped into a wagon.

The houses are thoroughly sprayed once every six months, or oftener if there are any signs of lice or mites. The floor is kept covered with a deep litter that is renewed often, and there is a row of large windows extending the entire length of the house that admits sunlight to kill the germs.

The yards are kept well plowed the entire year. In the

Three parts phosphate in the form of calcium phosphate.  
One part sulphur (flowers of sulphur).

One part iron in the form of iron oxide.

One part magnesium in the form of epsom salts or magnesium carbonate.

In addition to these, there are small amounts of several other less common elements.

Mr. Seaton believes that the good success attained is due largely to the feeding of these mineral salts and to the feeding of bone and meat scraps from healthy animals.

The regular feedings are two: a mash in the morning and whole grain at night. The mash is made of the following ingredients: ground alfalfa, rolled barley, whole oats, ground corn, millet seed, oat middlings, bran, cooked meat scraps and ground bone, charcoal, sulphur and oyster shell.

The whole grains are varied, but whether it is wheat, barley or oats, it is shipped from the grain-growing centers of the middle West because it has been learned that the California grains are much deficient in some of the ingredients that are most needed in the production of eggs.

Last, but not of least importance—the layers are raised on the farm from eggs produced there by specially selected two-year-old hens. New males are secured from other flocks to avoid inbreeding. The babies are carefully raised and culled two or three times before they go into the laying pens. This means that about 20,000 chicks must be hatched each year because in addition to culling out the least promising pullets, a large percentage of cockerels are discarded, for a cockerel is of no value on an egg farm except in the breeding pens.



# EDITORIAL

WE LEAD  
OTHERS FOLLOW

60,000 A. P. J.'s FOR NOVEMBER, 1913.

State of Illinois, County of Cook, ss.:  
G. M. Atwell, president of the Atwell  
Printing House, Chicago, being duly  
sworn, certifies that the American Poul-  
try Journal has contracted for printing  
and binding sixty thousand copies of  
the November, 1913, issue.

G. M. ATWELL.  
Subscribed and sworn to before me this  
21st day of October, 1913.  
(Seal) HENRY G. EISERT,  
Notary Public.

## OUR GUARANTEE.

We guarantee our subscribers against  
loss due to fraudulent misrepresentation  
in any display advertisement appearing in  
the American Poultry Journal, providing  
the subscriber when ordering the fowls  
or merchandise states that the advertise-  
ment was seen in the American Poultry  
Journal, and places the order during the  
month or months in which the ad is in-  
serted in our columns and notifies us of  
the fraudulent misrepresentation of the  
advertiser, giving full particulars, as soon  
as it occurs.

## When Authorities Disagree.

"What are we poor laymen to do  
when we find such a difference of opin-  
ion in the teachings of the leading  
authorities on such subjects as mating,  
breeding and feeding?" That is a  
question frequently asked of the poul-  
try editor.

Authorities often disagree. Individu-  
ality is a pronounced characteristic of  
men who study, investigate, and ob-  
serve, in an effort to scientifically get  
at the root of things. With strong in-  
dividuality you naturally expect to find  
that the man thinks for himself instead  
of letting others think for him, as is  
often the case with the sheep-like ma-  
jority of mankind. Naturally such men  
may form opinions, based on personal  
observation and experience, that differ.

There is often more than one good  
way of doing things. Some say there  
is no ONE best way. Others believe  
in a best way, but admit that it has  
yet to be discovered. What we all  
know is very small when compared  
with what we all do not know, and we  
are learning and striving to learn all  
the time if we are really alive. Some  
folks seem to be dead and not know  
it—don't be that kind.

If there were no differences of opin-  
ion on most vital subjects this would  
be a mighty uninteresting world, and  
there would be little progress. It takes  
differences of opinion and some discon-  
tent with the existing condition of  
things to make progress possible. Other-  
wise we might stagnate and live and  
die like fungus.

Differences of opinion of authorities  
(so-called) are often more apparent  
than real. Often they are building on  
the same bed-rock and agree on the  
fundamental underlying principles but  
disagree on the minor surface details.

When you get right down to real  
work, every man must make his own  
observations and form his own conclu-  
sions. All any magazine or text book

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The best writers on poultry matters con-  
tribute to its columns. It receives the  
patronage and endorsement of the fore-  
most representative breeders of standard  
poultry and manufacturers of poultry ap-  
pliances in the country.

can do is to present you with the  
opinions of all the leading investiga-  
tors. To make any progress you should  
study all sides of the subject and try  
to see it from the various points of  
view. Read and study all literature on  
your line of endeavor, but don't accept  
some particular written word as the  
only law and gospel. Learn to observe  
and to THINK FOR YOURSELF.

## Learning to Think.

Whether you keep poultry for pleas-  
ure or profit, or are working along other  
lines, you need to learn to think and to  
form the habit of thinking for yourself.

Did you ever attend a public meet-  
ing and see a gifted orator herd his  
auditors as a shepherd herds sheep and  
get them to vote his way without think-  
ing for themselves? It is done every  
day. The thinker, with the gift of  
gab, herds his flocks of human sheep  
and makes them do his bidding, when  
if they would only take time to think  
for themselves they would undoubtedly  
do differently and in doing so better  
themselves as a whole instead of the  
few who now play herders of men.  
Think it over. Take time to think.

One good way to stimulate thinking  
is to practice along the line of the  
thoughtful physician who diagnoses by  
elimination. The physician's method  
is this: He has carefully reviewed the  
symptoms of the case before him and  
he finds that on a "snap diagnosis"  
(quick decision with little thought) the  
case might be any one of several dis-  
eases presenting similar observable  
symptoms. Were he to adopt snap or  
hasty judgment he might call it the  
most probable one of the lot and let  
the case be cared for on that basis.  
It might be the easy way, and often  
he might "get away with it" success-  
fully. The careful man takes time to  
think. He considers the various "might  
be" causes or ailments, as thoroughly  
as necessity permits. Thought is not

necessarily a lengthy process and the  
brain can be trained to rapid and accu-  
rate thinking if you only stick to it.  
Having considered the possible causes  
or ailments briefly, he now proceeds to  
eliminate or cast one side those which  
do not fit the case before him and can-  
not possibly enter into it. He may  
start with a dozen possibilities and  
rapidly, through trained thought, get  
down to two or perhaps three most  
probable possibilities. More consider-  
ation and the third is dropped as im-  
probable or impossible and only two  
are left. Elimination has reduced  
twelve possibilities to two in a very  
brief space of time, assuming that the  
observer has been a reasonably good  
student. To find the most likely one  
of two things is obviously a matter of  
careful further consideration only and  
not more difficult than finding the most  
likely two out of the original dozen.

Now, friend reader, take this elimi-  
nation process into your study of poul-  
try keeping. Try to learn to think for  
yourself and to acquire the habit of  
systematic thinking for yourself. Take  
all the most probable opinions advanced  
by various writers on a given subject  
and set each down in parallel columns  
where you can view the several argu-  
ments briefly at a glance as they are  
arranged side by side. There is noth-  
ing more effective in the elimination  
process, or in the study of various simi-  
lar but differing views, than grouping  
in parallel columns for study and com-  
parison.

When you have your comparison  
tables ready, apply your own observa-  
tions if you have any, your own expe-  
rience if you have any, or at least your  
own ability to think and get at the  
most common sense point of view. You  
won't always get there the first time,  
but if you only keep at it you will  
learn to think and form the habit of  
thinking, you will get a broader view  
of things and will have a better grip  
on your subject. You need to think.



You should learn to think and through thinking you may eventually acquire that necessary but elusive blessing, COMMON SENSE.

### The Price of Eggs and Milk.

Every time there is any attempt to get better prices for eggs or for milk a howl of protest sweeps over the country. Editors, who should know better, tell their readers that fresh eggs can and should be bought for not over 25 cents a dozen and that to charge more is robbery, and that 5 or 6 cents a quart is all any fair minded person should ever ask for milk.

Such writers do not know what they are clamoring about; if they were to become producers of really first quality eggs or milk they would be the very first to change the tune and to howl for better and higher prices.

Pure foodists all over the country are working for better and more wholesome food. Slipshod methods in production must be abandoned by the producers who cater to the markets of today. Inspection is beginning to be less of a farce and to be more far reaching in its effects. It has been demonstrated that eggs, like milk, are best for food when strictly fresh. Like milk also, eggs are very susceptible to deterioration and to contamination. Both spoil quickly as they age, even under favorable conditions of keeping, which are none too common in general practice.

Everywhere effort is being made to clean up the dairies and to keep them clean. Sanitary and more modern wholesome methods are being insisted upon in the production and handling of milk. These things all cost money. The egg farmer is going up against the same modern methods of production. He has to keep up with modern sanitation and cleanliness if he is to remain a producer of high class poultry products. Soon his plant will be subjected to official inspection. And that is not all.

Foodstuffs for both milch cattle and fowls are high and may go higher in price. Food has been proved to have a direct influence on the quality as well as the quantity of eggs and milk produced, as it also has a great influence upon the producing animal's health and condition.

We never ran a dairy, but we have visited a lot of them of all kinds, and we have kept cows and milked them for a sufficient number of years to be entitled to membership in the A. O. T. P. (If you don't know what society those initials stand for ask any man who has milked his dozen cows before breakfast by lanternlight on frosty mornings.) We wouldn't want to produce milk to sell at retail for less than 12 cents a quart. When living in the city we have paid as high as 15 cents a quart for certified milk and were glad to get it. Goat dairies get 25 cents a quart for goat milk, and diet kitchens, physicians and nurses consider it worth the price and we haven't heard any howl about it. Cow dairies have gone broke trying to produce certified milk to sell at 12 cents a quart and have been bitterly denounced for attempting to rob the public.

Milk and eggs are two of our most important foods. At the present time at present prices the consumer gets more for his money in digestible food in milk and eggs than in any other foodstuffs. To be in any way consistent with the prices of other foods milk

ought to sell at not less than 12 cents a quart and eggs for 60 cents a dozen.

This summer, at a beach resort, we had to pay the butcher 20 cents each for lamb chops, five chops for a dollar. Eggs cost us 60 cents a dozen and milk 12 cents a quart. Compared with the meat the milk and eggs were dirt cheap.

For the past year at home we have averaged to pay 10 cents each for short lamb chops. We produce eggs on the place and usually milk. Round beef for boiling costs usually about 25 cents a pound; pork roast, 20 cents a pound; porterhouse beef steak, 40 cents a pound. We don't stint the table on quality, variety or quantity of foods, and personally we believe that eggs at 50 to 60 cents a dozen and milk at 12 cents a quart supply cheaper and better food for a given cost than the meats at the prices mentioned.

A ten cent piece of meat won't make much of a breakfast, but two five cent eggs or a pint of milk and half a loaf of bread will make a substantial meal. As to food values you get by analysis practically as much from a pound of eggs as from a pound of meat and in actual healthful digestible food you get more out of the eggs. Average well fed eggs will run pretty close to two pounds to the dozen. Ours do. As compared with meat there is mighty little waste to be paid for in eggs and none in milk.

Selected, well-fed fresh eggs can always weigh 2 pounds to the dozen. Thirty cents a pound is not too much to ask for them at retail and it is not too much to pay. It doesn't take a very hearty eater to get away with a 30-cent piece of meat at one meal, but mighty few will be found to eat six 5-cent eggs at one sitting.

Sanitary methods are necessary where quality eggs are to be produced. Food has a great influence upon the quality, the size, the food value, and the weight of eggs. The layers must be well fed on wholesome food. Food also has an influence upon the flavor of eggs. It costs money to keep up an egg farm as it should be kept up. The best quality eggs are the cheapest and most wholesome in the long run. The fresher an egg is when eaten, the better for the consumer. Eggs deteriorate rapidly. Some experts have pronounced "deteriorated eggs" (salvaged rotten eggs) as wholesome and not injurious when used for food. Don't believe it for one minute. The germ infested contents of salvaged eggs have been given to guinea pigs and sickness and death of the pigs resulted. Perhaps we human beings may not be as susceptible to the poison as the guinea pigs, but why take chances? Physicians get the larger part of their incomes from persons suffering with disorders of the digestive organs and bad food plays havoc with digestion. But enough of that, you can reason and think it out for yourself.

The upkeep of a modern egg farm is considerable. The cost of feeding alone is a big item, to say nothing of housing and labor. Every producer must figure his upkeep expenses and consider them when making the price of his product. Selling expenses must also be considered. Quality eggs are not produced haphazard on farms or in back yards from waste materials. Wholesome table waste will help toward egg production, but other foodstuffs are required and cost money. Good eggs are a matter of careful food supply and healthy fowls. The saying, "eggs is eggs," is

not true in the sense of equality in food values and wholesomeness. Swill-fed eggs are not good eggs.

When a man tells you that good fresh eggs can be produced nearby our large cities to sell for 25 cents a dozen he does not know what he is talking about. He hasn't considered or allowed anything for upkeep cost. The egg-farmer can't produce well fed quality eggs to sell at 25 cents a dozen retail. He ought to get not less than 45 cents per dozen the year around for his best selected product sold fresh laid. Fifty cents a dozen would be a fairer price to the producer and would not pay him profits as great as many manufacturers today insist that they must have in order to do business. For best selected quality eggs five cents each is not a prohibitive price, and when value received is considered you get a good deal more for your nickel in a five-cent egg than you do in most other things you buy.

Think it over.

### Mr. Buyer, a Word With You.

Now is a good time to buy breeding stock for next season and a good time to place your orders for eggs for hatching for spring delivery. First come, first served, is a pretty general rule. Before you place your orders we want a few words with you personally, Mr. Buyer.

We believe that the advertisers in this magazine are reliable and dependable men. If we did not believe in them we would not accept their advertising. We believe that they aim to satisfy and please their customers. We don't know them all personally, it isn't possible for us to, and obviously we can't recommend any special ones as the best to deal with. In the first place we don't know who or what is best in most cases and in the second place it would not be fair or just for us to attempt to single out individuals for special favor. It is up to you to get acquainted with those who interest you and to size them up for yourself by their advertising and by the letters and printed matter they send you.

In ordering or asking questions please be polite and be careful to state plainly what you want. It doesn't pay to leave anything to guess work, the seller can't read your mind, you must tell him what you want and ask his price. Politeness pays and you will find that molasses catches more flies than vinegar.

Don't expect a breeder who sells fowls to win at \$100 or more each to sell you some of his best for \$2 or \$5 or \$10 each. It can't be done and it isn't done. When you buy bred-to-win or bred-to-lay stock you have to pay well for blood lines.

When describing the specimen you want don't sit down and copy the standard description of a perfect fowl and then expect to get such a fowl at any price. The standard description is supposed to represent the ideal or perfect specimen; we have never seen one and any man owning one would be foolish to sell it. Some judges have scored specimens within four points of perfect, but even that is going some and the judge probably erred on the side of generosity. You can't buy perfect standard specimens at any price. At the lower prices the most you can expect is to get healthy, vigorous, well-



developed specimens out of good blood lines.

Don't expect a sitting of 15 eggs to yield 14 or 15 chicks or to get a large percentage of fine specimens out of a single sitting. Things don't run that way. If they did there wouldn't be any big prices for fine specimens. If you get 7 or 8 chicks out of 15 eggs you are doing well and have no cause to complain. If the chicks do well and you get half of them fairly good specimens at maturity you ought to feel pretty good over it. Every egg from a good mating won't hatch a winner.

When you feel that you have a complaint, be courteous about it and write the seller telling him all about it. Courtesy is usually met with courtesy. Impolite and offensive kicks may be ignored or may bring back just as hot stuff as is sent. Sometimes there are exceptional cases where one side or the other is unfair and unreasonable, when you can't get an adjustment it is time enough to write the editor.

In buying breeding stock, see it first if you can. You will be better satisfied and so will the seller. If you know how to pick good ones and are content with your own judgment, well and good, but don't squeal afterward if someone tells you the fowls you picked were not worth the price you paid. Sometimes it is a pretty good plan to tell the breeder what you can afford to pay and ask him to pick you out the best he can sell for that price and have him mate them properly if you want mated specimens. When you put him on his honor that way he will prove a mighty crooked man if he fails to give you good value for your money. When you match your own knowledge and wits with any breeder of live stock and think you are sharp enough to buy better than you pay for, it is a pretty good time to stop dreaming and wake up. Most men, when it comes to a game of wits, and seeing who can drive the shrewdest bargain, will look out for number one and it is your own fault if you fall down in that kind of trading. 'Nuff said.

#### Now Ready.

The premium list of the Great Midwest Poultry and Pet Stock Show, to be held in the Coliseum building in Chicago, December 12-17, is now ready for mailing. Readers who have never ex-

hibited at Chicago and have not yet sent for a copy, will please write at once to Theo. Hewes, secretary, Indianapolis, Ind. The old exhibitors, unless their addresses are changed, will receive a copy without request.

#### Eggs for Hatching.

Now that the exhibitions are fairly started, booking orders for spring delivery of eggs for hatching will begin in earnest. The shows are good marts for sale of hatching eggs. At New York show last winter several fanciers and breeders told us they had booked orders for eggs that were sure to take all they could produce above those needed for incubating at home.

Sales promise to be good the coming season. We look for big sales of eggs for hatching and we want right here to urge greater care in selecting eggs and more consideration for the customer on the part of the sellers than has been in evidence in past seasons.

Get a little of the Golden Rule into your eggs for hatching business. With a big demand and prices good there is big temptation to sell any eggs that "have shells on" and come from the breeding pens. It is bad business—is not fair to your customer or to yourself.

Rather than send poor eggs, no matter how good the specimen that laid them, it would be better policy to sell fewer eggs and to refund the money on orders you cannot fill with good normal eggs.

We bought several sittings last season, \$5 sittings mostly, and very few of them were a credit to the fancier who shipped the eggs. The percentage of mal-formed, thin-shelled, watery-shelled and warty-shelled eggs was altogether too great. Many of such eggs could not stand the weight of the hen without breaking in the nest. Quite a number were broken on arrival. Mighty few of such eggs would ever produce a chick even under the most favorable circumstances. Such eggs should never be included in sittings. A small percentage of such eggs might be permissible in large lots of low priced "incubator eggs," but better not any there. The only right place for such eggs is to market them for table uses.

There are many good shipping packages for eggs and there are many more poor ones. It is a good plan for the

breeder to remember that his customer will size up a good bit by the sort of shipping package he uses, the condition the eggs arrive in, the appearance and quality of the eggs themselves. If these things make a good impression and he fails to get a good hatch or fails to raise good chicks, as he easily may, he will feel more charitably inclined toward the breeder and less disposed to complain, for the good first impression will help him to see (as is often the case) that his misfortune may have resulted from faulty incubation and rearing. Send him poor eggs in a poor package and he is prejudiced (justly so we think) against the breeder from the start. He is not likely to continue a customer of the man who disappointed him.

We have received eggs costing \$5 per fifteen in a flimsy package and wrapped with dirty newspaper and including more than half cull eggs unfit for hatching and we have had such treatment from friends whom we believe to be honest and who ought to know better. Such treatment of a customer is neither right nor decent and it ought to be stopped. We are disposed to be charitable and we know our friends in the cases mentioned did not mean to be dishonest. The fault was conceit and ignorance. They have been fanciers for years and consistent winners on fine specimens and their mental faculties have warped into queer kinks. Result, any old egg from their selected matings they believed to be worth all they asked for it. It didn't matter that possibly the breeding specimen had gone off condition; they couldn't see it and all they could see was the honors won in competition and the exaggerated value of all produce in consequence. Mighty few poultry keepers of any class can really "see a hen." They see past performance, present winnings and the glory of blood lines, but individuals and the produce of individuals they are often blind to.

We once had a breeder friend who wanted to be particularly nice to us and sent us a few of his fowls, beautifully feathered it is true, but, oh, how lacking in desirable physical qualities. They were knock-kneed, crooked breasted, hawk or crow billed and otherwise lacking in constitutional vigor. We couldn't be tempted to breed them as foundation stock. We disposed of them and, though it hap-



## Buff Orpingtons

The trapnested kind—the sort that lays the eggs, produces the birds, wins the prizes at Greater New York, Chicago, Indianapolis, Louisville, Nashville, Memphis; holds the crowd at every important show and points the way to real Orpingtons.

#### No Contest Too Keen—No Demand Too Great

We can supply your needs and will give one hundred cents in value for every dollar you care to invest with a plain guarantee, you must be pleased or the birds can be returned and we will refund your money. Thousands of exhibition specimens and selected breeders. Let us help you win and improve your flock. Send for big Orpington Fashion Plate Book—the key-flower of perfection, free.

A. E. Martz & Son Buff Orpington Specialists Box A, Arcadia, Indiana



pened several years ago, this is the first time we have mentioned it and we honestly believe our breeder friend would have been surprised to know that we found anything wrong with those fowls. He couldn't see health, vigor and vitality and, in fact, had trained himself, unconsciously, not to see it.

We hope this talkfest will help remove the scales from the eyes of some of our friends, and that the eggs for hatching season will produce more satisfied customers and more contented breeders as a result of it. It is plain talk to be sure, but it is friendly talk and intended to be helpful and not destructive. We hope you will all see it that way.

#### Harry H. Collier.

Harry H. Collier, editor of our Pacific Coast department, was born in Montgomery, Ala., in 1869. He has bred poultry since 1877. He has lived in Alabama, Georgia and Washington. He went to Washington in January, 1889. He judged his first poultry show in 1894 and has been superintendent of the Washington state fair since its inception, with the exception of the years of 1901-02. The State fair of Washington held its first exhibition in 1894 and Mr. Collier acted as superintendent as well as judge; since that time he has been superintendent and this fall had the pleasure of cooping the best poultry ever seen on the state fair grounds.

Mr. Collier was commissioner of poultry for the Lewis and Clark fair for the state of Washington, in the year of 1905. He held a similar position with his state at the Alaska-Yukon exposition held in Seattle in 1909. He was for three years superintendent of the poultry department of the Spokane Interstate fair. When Puyallup started a fair (this fair now being known as the Western Washington fair) Mr. Collier put on the first poultry show and he has acted both as judge and superintendent of this fair that is considered one of the best in the state. At present Fred A. Johnson is superintendent and he has made good, holding the best show of poultry this fall in the fair's history.

Mr. Collier has been known as a poultry writer for nearly twenty years.

In November, 1896, he began the publishing of the Pacific Poultrymen, of which he was a half owner up to 1902.

Mr. Collier began his thoroughbred poultry career with White Booted Bantams, but since that time he has bred some variety of most every breed. He made a name with his Langshans that was coastwide, and sold his fowls and good will for the best price that any breeder has obtained for a flock on the Coast. At present Mr. Collier is breeding Buff Rocks and Single Comb Brown Leghorns. He is a man of family, having a wife, three girls and four boys.

He is a practical poultryman. He has a ten acre ranch near Tacoma which he is now developing.

#### Mr. Brown Sends Thanks.

New Berlin, Ohio, Sept. 14, 1913.  
Editor American Poultry Journal.

Gentlemen: I take this opportunity to address you through the columns of the old and reliable American Poultry Journal, having received word of the decision of your committee, naming myself as the second prize winner in the White Orpington Prize Essay Contest.

Allow me to say I duly appreciate that your work in the examination of the ninety-four papers submitted was quite an arduous task and a call for good and unbiased judgment from the committee. I take this opportunity to thank you in recognition of your decision, which I duly esteem and value.

Wishing you success and still greater progress to the White Orpingtons and the American Poultry Journal, I am, sincerely yours, James R. Brown.

New Berlin, Ohio, Sept. 14, 1913.  
Mr. Louis Lee Haggin, American Poultry Journal.

Dear Sir: I desire to express my thanks to you in a more formal way than a strictly personal letter, so I take the liberty of sending this for publication in the American Poultry Journal.

I appreciate very much your kindness in the splendid prizes offered in the Prize Essay Contest as an incentive to the work and also recognize the amount of labor done by the committee in their examination and decision,

to whom I tender my thanks as second prize winner. I shall exhibit this trio at Akron, Ohio, and at our great show in the City Auditorium, Canton, Ohio, in December.

Here is to the further success of the White Orpingtons and Mr. Louis Lee Haggin. Sincerely yours,  
James R. Brown.

#### Welcome to Our City.

It is with pleasure that the editorial and business staff of the American Poultry Journal welcomes D. E. Hale to Chicago, as editor and manager of the Successful Poultry Journal, formerly owned by Frank Heck, who recently disposed of his interests in this paper.

Mr. Hale was formerly associate editor of the Reliable Poultry Journal, which position he held for over four years. We quote below part of an editorial which appeared in the October issue of the Reliable Poultry Journal, presumably written by Editor Curtis:

"Mr. Hale left his old position in a way entirely honorable to himself and took with him the sincere best wishes of all his old associates in R. P. J. office, likewise those of the writer of these lines. He has been with us four years or more, is a willing worker, upright in character, clean in speech and habits, a loyal friend and an earnest student of poultry culture in all branches."

The American Poultry Journal wishes Mr. Hale success in his new undertaking and we believe he has the ability to make good.

C. A. Webster, a graduate of the Ontario Agricultural College, Guelph, Canada, has been appointed as assistant in poultry at the University of Missouri. Mr. Webster's work will be quite largely along experimental lines and his addition to the department will result in much more efficient work.

Lew B. Windust, one of the most successful and most prominent poultry breeders in the state of Washington, died the latter part of September after less than a week's illness.

## MARTIN'S REGALS

### AT THE NEW YORK STATE FAIR

#### Judge Drevestadt's Report

"The exhibit of John S. Martin, Port Dover, Canada, was about the most typical in Wyandotte shape that this past master in the art of breeding White Wyandottes ever placed in a show room. It was a treat to find specimens uniform in shape and pure silvery white in plumage representing so strongly in both the old and young classes."

#### Note Also the Following Extracts from the Show Reports

"Mr. Martin has the goods. His line was never seen to better advantage and he was well entitled to every prize won."—H. P. Schwab in American Poultry Journal.

"When any man can place on exhibition a string of seventy birds at such a proven quality show as the New York State Fair and take home twenty-eight out of a possible thirty prizes with only two birds unplaced, 'supreme' is certainly only half expressing the quality of his offerings."—Poultry Item.

**2000 Cocks, Hens, Cockerels and Pullets For Sale.** Special—100 exhibition cockerels and 200 beautiful pullets ready now to win the blue ribbon for you. 100 well matured cockerels from my heavy laying Dorcas line, \$10, \$15, \$20 and \$25 each. Dorcas pullets, \$5, \$8, \$10 each. Stay-White utility cockerels, \$3 and \$5 each. Send four cents for the Regal White Wyandotte Book. FREE—Illustrated catalogue and sales list.

Cocks—1-2-3-4-5  
Hens—1-2-3-4  
Cockerels—1-2-3-4-5  
Pullets—1-2-4-5  
Pens (Old)—1-2-3-4-5  
Pens (Young)—1-2-3-4-5  
\$25 Gold Special for Best Display



Crusader III, a Boston Winner

John S. Martin : Box 51 : Port Dover, Canada



## Dr. Woods' Notes and Comment.

Everyman should have the privilege of changing his mind, since it is granted to Everywoman, and these are equal suffrage days. A few years ago when our good friend J. H. Drevenstedt was boosting hard for the sale of market eggs by the pound, we opposed it. We did not believe that housekeepers would stand for the inconvenience of eggs by the pound and existing methods of marketing seemed to prohibit any change from the sale of eggs by the dozen and the regulation thirty-dozen cases.

There is a movement on foot to change and nationalize the grading of eggs, still in dozens, however, but with provisions for minimum net weights per thirty-dozen case in most grades. With the wide difference there is between eggs in size and weight, it does not seem right or just that eggs weighing 42 to 44 pounds net the thirty dozen should sell for the same (or about the same) price as eggs that run 55 to 60 pounds per thirty dozen net. Now that eggs are to be graded to a national classification, why not endeavor to get eggs sold by the pound? It would seem a fairer proposition for the consumer and if a sane price were made, based on the production cost, the producer wouldn't kick. First quality new laid eggs ought to be worth 25 cents to 30 cents a pound and that price wouldn't cause half the calamity howling we hear about eggs at 50 to 60 cents a dozen. The best, selected, well-fed, new-laid eggs will run six eggs to the pound. Smaller eggs will run seven and eight eggs to the pound. Why not try for a fixed price the year 'round on best new laid eggs of 25 cents the pound f. o. b. farm.

This story was told us about

"Drev," the able and veteran manager of the Buffalo show. We won't guarantee that the story is true, but it is worth telling. While the judge was looking over the classes a dainty young miss stopped nearby to admire a white hen and said to him: "Oh! What a beautiful White Leghorn! How I wish she could talk; she looks intelligent enough. Mr. Judge, what do you suppose she would say if she could talk?" "Drev." is said to have replied very dryly: "If that hen could talk she would say: 'I am a White Plymouth Rock.'"

Do you keep an account with your poultry? Do you figure upkeep cost as well as labor as part of the expense or do you just count cost of food and let the rest of the expenses slide? We ought to have more accurate data concerning poultry keeping and less fiction. We don't know just what the "whole truth" is, but we are willing to learn and we believe that the truth will not hurt the poultry business. It won't hurt any legitimate business for those engaged in it to get the real facts about cost of production. Poultry keeping is a legitimate business and a good many people are making it pay. How much does it actually pay? Facts not fiction wanted. Of course some folks have sunk money in the business, but that is true of any line of work and the temptation for the inexperienced to get into poultry keeping is very great. The wonder is, not that some fail, but that so many meet with success, in greater or less measure, and retain a live and wholesome interest in spite of many discouraging experiences.

Did it ever occur to you that you can't buy an article for one dollar and sell it for one dollar and ten cents and figure that you have made ten per

cent profit? You can't do it and stay in business. Even if your business is very small, you have to figure something for upkeep expenses and often you will find that upkeep costs a lot more than you thought it did before you looked into the matter. Also, don't forget that in order to make good on a small margin of profit you have to do a very considerable volume of business. When you start out to figure profits, don't fool yourself. Be sure that you take account of all operating expenses.

No, we were not started along this line of thought by the new income tax. That tax won't worry us any for some time to come from present indications. But, if some folks figure their incomes the same way they figure poultry profits our Uncle Sam will collect some large bunches of money he is not entitled to. Just watch them, though, and see how many figure exceedingly small.

Every business has its ups and downs, its good seasons and its bad ones. Early in October we called on a friend who is in the market poultry business. For the past several seasons he has produced some of the finest chickens ever shipped to a fastidious market, and last year he turned a nice profit on a big flock of the best market chickens we ever saw. He has to buy all his eggs for hatching and gets out his chicks in late summer and early fall. This year he got hold of a lot of eggs from inferior and immature breeding stock and he is "up against it." The chickens are not growing well and run very uneven in size. It looks as if it was going to be a hard pull to make this season's business break even. He is naturally quite a bit discouraged, but he has pluck and knows how to grow good chickens when

# PERFECTION WHITE WYANDOTTES

SUPERIOR TO OTHERS—THE ACME OF PERFECTION—Send ten cents postage for illustrated art catalogue telling how I raise my prize winners. Mention A. P. J.

GEO. H. RUDY

ROUTE 15

MATTOON, ILLINOIS



## WM. COOK & SONS

OF ALL THE ORIGINATORS ORPINGTON FOWLS & DUCKS

Plants in America, England and South Africa Established 1873 : Box A, Scotch Plains, New Jersey

Eventually after the best Orpingtons any variety you will buy from their originators, why not now? And avoid loss and disappointment. We guarantee safe delivery and satisfaction, backed up by a reputation of 40 years' standing, this means something to you.

Now is the time to purchase your exhibition Orpingtons from their recognized headquarters. We always have a large stock on hand of imported birds from our English plant, being from stock mated up by our Mr. P. A. Cook especially for American requirements. We can ship the same day your order is received.

We have thousands of Orpingtons to choose from in S. C. Black, White and Buff, Diamond Jubilee, Spangle and Blue Orpingtons, all of which we originated.

It is natural the best can be procured from their originators.

Send 10c for illustrated catalogue, containing history of the origination of all the Orpingtons and hints on poultry keeping. Eggs from our winners and the finest Orpingtons in the world, \$20 a setting; from fine stock, \$10 a setting. Advice free. Inspection invited. Trains met. Over fourteen thousand first prizes won by us. We are by many times the largest poultry breeders in the world. Ornamental land and water fowl for sale.



he gets a decent foundation material to work with. Some day we hope to see a plant specializing in the production of hatchable eggs to produce sturdy, quick growing market chickens. There is a good opportunity open for the right man.

Pullets began laying the last week in September this year, but they have not yet fully developed. Some are five and some six months old and, as we only have a few, they have had practically unlimited free range. The eggs are fair size and the birds are still growing. We attribute the early laying to the abundance of bright fresh green food due to the unusually frequent heavy fall rains.

We have been much amused lately by the antics of a yearling male bird. He has apparently mated with one of the free range pullets and tries to keep her as much apart from the others as possible. He coaxes her into secluded places about the barn and carries straw, chips, shavings and other litter into a corner to make a nest. His efforts at nest building and the running conversation he carries on while doing it are interesting. The pullet, for the most part, stands around to watch and listen, now and then picking up a bit of litter and casting it over her shoulder, or she settles down beside the cock in the partly made nest. The cock coaxes, pleads and coos to her in the nearest approach to actual speech we ever heard in a fowl and he is becoming an adept in nest building. Already he has built three nests and the pullet has laid in each one. Just to try them out we have swept out the nest after the pullet had laid in it a few times. Now, they are trying to outgeneral us and have picked a very secluded, out-of-the-way spot which we would never have found but for the cock's continuous flow of language. The pair have a very good nest of bedding hay and shavings. As the latest housekeeping attempt is not in our way, we intend to let them do what they please with it, until snow flies at any rate.

Good prices for chickens and fowl in our section during late summer and

fall have thinned out the flocks considerably. Some folks raised few chickens on account of high cost of grain and other causes. In motoring about eastern Massachusetts we find the number of chickens and fowl smaller than in previous years. This should mean rather stiffer prices for eggs and poultry this winter. The man who has a good sized flock of well matured healthy pullets ought to get good returns between now and Christmas time. It's an ill wind that don't blow good to somebody.

We have received a copy of "The Campine Book" by B. A. Gates, published by the Campine Herald, Franklinville, N. Y., at seventy-five cents the copy. It has nine chapters and gives the history of the breed, describes Belgian, English and American Campines including Belgian and English standard requirements, tells the "main points in breeding" and how to select and mate specimens, also housing and feeding of adult fowls and chicks and has a final chapter on exhibition Campines. It has 46 pages, paper cover, and contains eighteen illustrations.

From Charles D. Cleveland, secretary and superintendent of the twenty-fifth Madison Square Garden New York Show, we received an announcement too late for the October issue. The exhibition begins Friday morning, December 26th and closes on New Year's eve. The premium list is now ready for distribution and list of judges and closing date for entries will be found therein. On the opening night of the show an informal buffet supper and reception will be given by the management to exhibitors and friends. It is expected that the number and quality of exhibits will be greater than ever before. Every effort is being made to make the show a well balanced one and special attention is being given to securing a larger entry of pens. Money prizes are to be awarded on pens and the pens will be a part of the so-called "open class," counting double display. There are some important changes in the rules and regulations and these will be found in the premium list. The entry fee on single

birds will not be raised, but the entry fee on pens will be raised from \$5.00 to \$7.50. At this sum it will cost the exhibitor only \$1.50 for each specimen entered in the pen classes. There will be a "Bureau of Information," a room for exclusive use of exhibitors, and a number of changes in the arrangements of the exhibition hall.

### The Feeding Problem.

Many men of many minds,  
Many foods of different kinds.  
Some agree with some, they say,  
Others eat and deuce to pay.  
Experts claim they know the best  
Rations proved by test on test.  
Other experts say, "'tis not so,  
That's not fit food, oh dear, no."  
Beginner's brains are in a whirl,  
Worse than courtin' his first girl,  
"What on earth IS good to eat?"  
These durned experts have me beat."  
Use your "think tank" for a while,  
Learn to read and think and smile.  
Appetite's the surest guide,  
Else, why did Nature so provide?  
Individual's wants are many.  
A well-fed stomach hasn't any  
Complaint to make to man or fowl,  
Feed it by rule and it will howl.  
So, give appetite it's normal way,  
Learn to think and make it pay.

"Eggs is eggs" and "then again they isn't."  
"Waiter, remove this egg!"  
"What shall I do with it, suh?"  
"Have it properly stuck, dry-picked  
and broiled for your supper."

The American Stock Keeper for September 27 says: "The many friends of Mr. John H. Robinson will be pleased to learn that he has become the owner of "Farm-Poultry" of which he has been editor for so many years. With a free hand in every way this old publication is likely to be a lively factor in the poultry paper game."

We certainly wish Editor Robinson all success in his proprietorship of the publication and shall await any changes he may make in it with much interest. We presume there will be a change of

**ROSE COMB RED PULLET SALE**—Hundreds of early hatched birds ready for immediate delivery. Kaufmann & Windheim's famous strain. See advertisement on page 1357.

## Keeler's Wh. Wyandottes

### "THE WORLD'S GREATEST STRAIN"

**For twenty years I have been producing White Wyandottes that win**

—Winning in mine and my customer's hands in the hottest kind of competition. New York, Chicago, St. Louis, Pittsburgh, New Orleans, Indianapolis, Washington, D. C., Kansas City, Dallas, Texas, Los Angeles, Portland World's Fair, etc. My customers win. Stock hatched from my eggs and shipped from my yards has won in every section of this country as well as foreign lands including England, South Africa, New Zealand and Australia. The coming show season will be no exception, so let me sell you the birds that will land you among the winners. Get in line with the strain that produces a larger percent of SHOW BIRDS than any other.

### The World's Greatest Strain

In producing this grand show quality I have not lost sight of the Utility points and my birds are large, mature quick and lay from 200 to 265 eggs a year. I have succeeded in raising more good birds than ever and have for sale something like 150 cocks, 500 hens, 900 cockerels and 1,200 pullets. **Selected Breeders \$25, \$35 and \$50 a pen of 4 females and Male. CHOICE SHOW BIRDS \$50, \$75, \$100 and \$150 a pen.** Get in touch with me now for your November, December and January Show Birds. Stock conditioned, washed and fitted for your show without extra charge. Sixty-Page Art Catalogue of America's Finest White Wyandottes free for the asking. (5 red stamps for postage appreciated.) Please state your wants clearly and address

**Keelersville, Chas. V. Keeler, Prop. and Mgr., R. F. D. No. 11, Winamac, Ind.**



FASHION PLATE II



name indicating broader scope of the paper. After reading the item above quoted we naturally looked for some statement in the October issue of Farm-Poultry, but we did not find any notice of change of ownership. The old sworn statement of ownership by L. B. Moody and the Boynton Estate, dated July 21, 1913, is published inside front cover. Farm-Poultry, however, has been for sale for some time with no takers and The Stock Keeper is very reliable in its news, so we shall probably get the official announcement later on.

Is the hen a bird? Is the cock bird a bird? We think that they are birds and they were called birds by early writers on poultry on both sides of the "herrin' pond" before we were born. The dictionary says that zoologically a bird is: "Any warm-blooded, feathered vertebrate provided with wings." It also says that a bird is: "A chicken; the young of a fowl." So, why are not "bird," "young bird" and "old bird" correct enough if one finds them convenient terms. We like the short word "bird." If we understood Mr. McGrew correctly at Atlantic City, he

doesn't like the word "bird" and he believes it is easily misunderstood in foreign lands where our poultry papers and Standard may be read. He had the sympathy of the majority of the voters and they voted to use the word "specimen" instead of that short ugly word "bird" and we suppose that hereafter cocks, hens, cockerels and pullets will not be considered "birds," (straight or slangy as you wish) but will be standardized as "specimens." We don't care and will probably continue to talk about birds for convenience and from force of

# *E. B. Thompson's Imperial "Ringlet" Barred Plymouth Rocks*

Are the Greatest Achievement in Modern Poultry Breeding  
THEY ARE THE PRODUCT OF OVER THIRTY YEARS OF SKILL



First Prize Cockerel and Champion Male and First Prize Pullet and Champion Female at Madison Square Garden, New York, 1913

**They Mean Something—They Sweep Away at One Stroke All Doubts and Settle the Question of the World's Leadership.** Furthermore, these 29 first prizes do not include the firsts won at New York by my customers on birds I sold—remember that.

My "Ringlets" have won first prize on exhibition pens at Madison Square Garden 8 times, no competitor has ever won first but 4 times. I have won both first and second prizes on pens 6 times and no competitor but 3 times.

My "Ringlets" have won at New York 11 first prizes on single cockerels and cocks—including first prize and champion cockerel and first cock at the 1910-11 show, first prize cockerel and champion male at the 1913 show—almost as many first prizes on males alone as any other Barred breeder has ever won on anything. I am the only living Barred Rock breeder who has ever won all the regular

**These winnings tell more of the sterling qualities of the Imperial Ringlets than volumes I might write—They tell what the New York Show says.**

The "Ringlet" record for 1913 at the Madison Square Garden, New York Show, is the most wonderful ever made by any Barred Rock breeder since the New York Show was founded. (See ad on back page for this remarkable record.)

Elegant breeding cockerels, trios and pens of this greatest New York prize blood for sale, and mated to produce winners if desired. Richly illustrated 70 page catalogue upon application; it is full of pictures of New York winners from life. Address

## Early Winning Show Birds

I now offer the finest very early hatched exhibition birds that I have ever produced—grand size and shape, fine heads, even clear blue color, and narrow clean-cut vivid barring to the skin. They are matchless and ready to win prizes for you in any competition in the world. The prices are very reasonable.

**My Imperial "Ringlet" Barred Rocks Have Demonstrated to All the World a Distinctive Superiority**

**THEY STAND WITHOUT A RIVAL AS THE LEADING  
1st PRIZE WINNERS AT AMERICA'S IMPERIAL SHOW,  
MADISON SQUARE GARDEN, NEW YORK**

## A Great Light on the Subject of New York Records

The "Ringlets" exhibited by me personally, have won at New York a grand total of 29 first prizes—this is more than double the number ever won by any competitor—no other Barred Rock breeder in the world has ever won more than 13 first prizes in the entire history of the show—mark the difference—these figures are as remarkable as they are conclusive—they inform the public who have hitherto been confused by conflicting claims.

prizes on pullets at a single New York show, viz: 1st, 2d, 3d, 4th, 5th and the only breeder who has ever won 1st prize cockerel and champion male and 1st prize pullet and champion female at one and the same show at Madison Square Garden.

My "Ringlets" have won every Silver Cup and Trophy that has ever been offered at Madison Square Garden to be won three times. In short every trophy on Barred Rocks that has ever been offered and won three times has been finally won by me and is now my absolute property. Among them are the \$100 Challenge Trophy and the \$100 Association Cups.

The best is none too good for my customers and if you want to show you will find that judges appreciate the wondrous beauty and sharp "Ringlet" barring of my Barred Rocks. Prices are reasonable and thousands of birds to select from.

SEE MY OTHER AD. ON  
BACK COVER PAGE

*E. B. Thompson*

Lock Box 510  
**Amenia, New York**



habit. Anyhow, one member assured us that he saw on the boardwalk some warm-blooded vertebrates with feathers and wings on that "certainly were birds." What do you think about that, Tom? Maybe they were "chickens," too.

\* \* \*

A letter received from J. W. Parks, Altoona, Pa., the bred-to-lay Barred Rock man, says: "It sure is a shame to try to place the blame for the last depression in business on the day-old chick branch of the industry. To my notion what has brought it on more than anything else, has been the booming of the business as a sort of get rich quick game, until people are about fagged out with systems and trying to get anywhere from \$8 to \$100 profit a year per hen, as it has been pictured possible for any one to do." "Joe" has always been a good observer.

## SEPTEMBER REPORT OF NATIONAL EGG-LAYING CONTEST.

THE hens in the National Egg Laying Contest at the Missouri State Poultry Experiment Station have already made a higher average than the hens did in the first contest, and they have 46 days yet in which to lay before the contest closes. The English S. C. White Leghorns from Tom Barron, of Catforth, England, seem certain to win. There has not been a month during the year that this pen has not been among the ten highest pens for that month. The highest individual hen so far is No. 860, a Buff Wyandotte from Vermont. This hen has laid 249 eggs and has 46 days yet to lay. It is not probable that the individual record will be as high as that of Lady Showyou of last year.

There has been a grand total of 94,188 eggs laid to date. The record for September was 6,424 eggs. Pen No. 26, Buff Wyandottes, from Eagleville, Mo., won the silver cup for the highest record for September.

### The Third Annual Contest

The following countries will be represented in the next contest:

Six pens from New Zealand, 3 pens from England, 3 pens from Australia, 1 pen from Germany, 2 pens from Vancouver Island, 1 pen from South Africa, 2 pens from Canada, 66 pens from Missouri and United States.

The following varieties will be represented:

S. C. White Leghorns, S. C. Buff Leghorns, Anconas, Campines, Rhinelanders, S. C. Black Minorcas, R. C. Black Minorcas, S. C. Reds, R. C. Reds, Barred Plymouth Rocks, White Plymouth Rocks, Buff Plymouth Rocks, Silver Wyandottes, White Wyandottes, Buff Wyandottes, Buff Orpingtons, White Orpingtons, Black Orpingtons, Black Langshans.

There can be no question as to the value of egg laying competitions if they are properly and honestly conducted. With egg laying contests and experiment stations trying to solve the question of egg production, and with poultry shows encouraging the production of pure bred poultry of good shape and color, we feel with these forces combined that there are greater things in store in the future for those who keep poultry for profit. Just as time has proven honestly conducted poultry shows to be of great value in improving the shape and color of our fowls, just so will be honestly conducted egg laying contests prove to be of great value in stimulating an interest in

greater egg production. These two forces must go hand in hand. Dr. Pearl of the Maine Experiment Station in his address before the American Poultry Association at Atlantic City, said:

"It is safe to say that never has there been so keen and wide-spread an interest in the improvement of poultry in respect to egg production as exists at the present time. All over the world poultry keepers are wakening to the fact that some hens lay more eggs than others; that it costs no more to hatch, rear and care for those which lay more; and that they want this sort in their flocks.

"There would seem to be little doubt that this awakening is due in considerable degree, at least, to the rapid development during the last ten years of egg laying contests in different parts of the world. We are indebted for the inauguration of such contests on a large scale to the enterprise of the Australians. In recent years we have seen their development in this country. It seems likely that we shall see a much further growth of the laying contest idea in the United States, as well as in European countries. To be sure some of our friends of the poultry press, who apparently see little or no value in laying tests of any sort, have been predicting that the laying competition has about run its course, and that the end is now in sight; that we are, in point of fact, witnessing its last decline before utter extinction. Unprejudiced observation, however, would seem to indicate that these contests make a strong appeal to the poultry public. It is difficult to conceive of any single measure better calculated to arouse general interest in poultry keeping, and to call attention to the results which follow good care and breeding. In other words the educational value of laying contests would seem to be beyond question. That they can be so conducted as to contribute to existing knowledge of the laws of egg production also is beyond doubt."

The following ten pens have made the highest pen records thus far:

Pen No.	Eggs.
2 S. C. White Leghorns, England.....	1,984
19 Silver Wyandottes, Iowa.....	1,692
26 Buff Wyandottes, Missouri.....	1,691
1 Anconas, Missouri.....	1,670
8 S. C. White Leghorns, California.....	1,652
11 Black Minorcas, Iowa.....	1,643
10 R. C. White Leghorns, Missouri.....	1,618
20 White Wyandottes, Arkansas.....	1,609
30 Buff Wyandottes, Vermont.....	1,597
57 Black Langshans, Missouri.....	1,555

No very high records were made for September as the hens are in the midst of the moult and have not fully recovered from the hot weather of July and August.

The following is the monthly record of the ten highest pens:

Pen No.	Eggs.
26 Buff Wyandottes, Missouri.....	157
17 Black Minorcas, New York.....	154
2 S. C. White Leghorns, England.....	154
10 R. C. White Leghorns, Missouri.....	147
22 Buff Wyandottes, Missouri.....	146
8 S. C. White Leghorns, California.....	137
19 Silver Wyandottes, Iowa.....	133
23 Silver Wyandottes, Illinois.....	131
1 Anconas, Missouri.....	129
45 Barred Plymouth Rocks, Iowa.....	124
5 Black Minorcas, Missouri.....	124

The hens that have laid 200 eggs or over are as follows:

No.	Eggs.
860 Buff Wyandotte, Vermont.....	249
62 S. C. White Leghorn, England.....	246
600 Buff Wyandotte, Missouri.....	245
61 S. C. White Leghorn, England.....	239
55 R. C. White Leghorn, Missouri.....	233
77 Ancona, Missouri.....	232
66 S. C. White Leghorn, England.....	231
311 S. C. White Leghorn, England.....	219
72 Ancona, Missouri.....	218
211 New York Method.....	218
735 Black Langshan, Missouri.....	215
64 S. C. White Leghorn, England.....	215

529 Black Minorca, Iowa.....	214
2054 Black Orpington, Canada.....	213
2103 New York Method.....	212
3810 Silver Wyandottes, Iowa.....	210
151 S. C. White Leghorn, California.....	208
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### The Feeding Test.


Pen No. 70 which is being fed the same as the hens in the contest, except that the contest hens have range in yards 30x120 feet, and pen 70 has been confined to a house for one year. This pen has made an average of 139 eggs per hen for ten and a half months. The hens seem to have kept in good health and of the ten pens in the feeding test, this pen is in fifth place. The first five pens rank as follows:

	Eggs.
Ten hens fed the Maine Method.....	1,507
Ten hens fed the New York Method.....	1,439
Ten hens fed the Canadian Method.....	1,431
Ten hens fed by the Norwich Feeder.....	1,431
Ten hens confined to a house.....	1,389

Five other records lower than this.

Did you read the back inside cover

White Wyandottes



**I AM READY**  
to help you win. Superb cockerels and pullets at honest prices. I condition them. Booklet free, giving Madison Square winnings.  
**H. N. Hanchett**  
Jackson, Mich.


Blue Orpingtons



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Superior as layers and for exhibition. Yesterlaid S. C. W. Leghorn Pullets lay at 4 1-2 months. Bought by 17 State Experiment Stations. Stock, hatching eggs, and baby chicks supplied in any quantity. Prices very reasonable. YESTERLAID Methods are bringing success to many poultry raisers. Write for details and prices. Yesterlaid Egg Farms Co., Dept. 5, Pacific, Mo.

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One application of Licene kills every louse and "nit" on your birds and they will keep free from lice for six months.

Mr. E. B. Thompson, President of the American Poultry Association, says: "Gentlemen: I have tried LICENE with best results; it is a most excellent preventive of lice and a rapid exterminator. LICENE should have a great sale to poultrymen who must appreciate its value after trying. E. B. THOMPSON, America, N. Y." Enough for 200 birds, postpaid 50 cents. Money refunded if not satisfactory. Circulars free. Agents wanted.

**THE LICENE CO.**  
1500 Pontiac Bldg. Chicago, Ill.



# Notes from the Southwest

Conducted by H. F. Stoddard, Riviera, Texas



## BULK IN DIET.

**C**ONSTANT waste and repair of all the bodily tissues belong to the normal condition of healthy animal life. Certain portions of the food taken into the stomach are in some way not fully understood, (the term "metabolism" being used to cover the inadequacy of chemistry, physiology and histology in the matter) absorbed and used for supporting and sustaining the entire system. Other portions seem to have no such office to perform, but pass from the stomach through the alimentary canal and are taken up by the scavengers of the body—the intestines—and discharged as useless matter. And we learn from these facts that supplying mere aliment of the most condensed and nourishing sort, and in quantities just sufficient to support health, is not in the case of most animals the true way to keep all their bodily functions in their best condition.

It is just as necessary that the waste portions of food should be supplied to cattle and hogs as that the directly life sustaining constituents should not be wanting. Hence, upon poultry keepers is often urged the giving something, which, by its mere bulk may help to fill the almost insatiable crop and ever working gizzard of the fowl and while the needed share for general sustenance

is being eliminated shall also furnish the waste matter, which as generally supposed is equally important to the well being of the flock.

Yet, after all, just how important bulky stuff, like chopped hay or rowen or the hulls of oats is to fowls, can anybody tell?

Cattle and horses habitually void quantities of indigestible fiber but there are two domestic animals, the sheep and the fowl, the droppings of which ordinarily reveal nothing of a thrashy appearance to casual observation.

Are thrashy things like oat-hulls a benefit or a drawback? Will the stations answer?

\* \* \*

Test of value. Two correspondents write answering similar questions, which, if they were not of a nature similar to those one hears every day, would need no further answer than could be put upon a postal card or, if the inquirer is one of the finicky "pay no attention to postals" sort append to an ordinary letter. But as these men represent a great class it may be worth while to give our views at some length in regard to the subject of these inquiries. The nature of the two is practically the same.

No. 1 asks, "What do you think of a cross of Plymouth Rocks and Colored Dorkings? I have good fowls of both

breeds, and I have been thinking of trying a cross." No. 2 wants to know, "What is the advantage of thoroughbred fowls? I have a nice flock of mixed breeds that are good layers, are large and fine table birds, and I don't see what I shall gain by exchanging them for pure breeds that are no better and probably not as good for practical purposes as those I already have."

In the case of the last quoted writer, if he is satisfied with those he has, and quite convinced that there are no better, as the tone of his letter would seem to intimate, we advise him to continue his present stock. On the same principle, if his wife is satisfied to wear a calico dress, and he is content to have her, we should advise him not to buy her a silk. The relations are similar. The calico will answer the primal requirements of dress; it has a certain degree of warmth, and is not so costly as the more dressy material. To say that the silk looks better is only to advance a double-edged argument, as good in one case as the other. We seldom notice a man "point with pride" to a flock of mongrel fowls; it is a common occurrence for even a stranger to stop and express admiration for a uniform flock of purebred birds of any variety.

The beauty-loving instinct is worthy of more cultivation, and in many other ways we see this principle ac-

## SILVER CAMPINES GOLDEN

Quality predominates in my yards. New York State Fair, 1913—Winning 1st Silver pullet, 2d Golden pullet, 3d Golden pullet, 1st Silver cockerel, 1st Golden cockerel, 2d Golden cockerel, 2d Silver pen (young). Eggs, young and matured stock for disposal.

H. P. McDonough : : : : : Newark, New York State

## MAPLE FARM WHITE PLYMOUTH ROCKS



**A Sensational Winning** At the great Illinois State Fair was the record of the **Maple Farm White Plymouth Rocks**. Exhibiting one pen, three cocks, three cockerels, two hens and three pullets, we won first pen, first, second and third in both cocks and cockerels, first and second hen and first, second and fourth pullet. Is this not **proof conclusive** that Maple Farm of Midlothian is breeding the White Plymouth Rocks that can win and produce winners? For catalogue and all other information, address

Maple Farm of Midlothian Charles D. Ettinger, Prop. Walter A. Cook, Manager Box 105, Tinley Park, Illinois



knowledge. A well matched nicely marked span of horses will do no more work than a less attractive pair, but we notice that the eyes of the owner sparkle with pride and satisfaction as he points out their special beauties. And he clinches the argument by adding: "If I want to sell them they will bring more money." Just so, and the same is true of the pure-bred fowl over the dunghill cross. They look better, there is no respect in which they are not equally good, and if you should want to sell a few sittings of eggs, or a few birds for breeding to your neighbor, who has taken a fancy to them, and wants some for himself, you will find that they are worth more than "just what they'll dress off." "But," somebody says, "when all the neighbors are supplied they will be worth no more than any others." Well, it is hardly worth while to discuss that problem, since notwithstanding the "booming" of the poultry trade, there seems no probability that any of us who read these lines will live to see that day, so it is quite immaterial to us whether a good fowl will then be worth twenty-five cents or as many dollars. It is the present beauty, the satisfaction in watching their perfection and the charm of success in work that enlists our lively interest, and the increased money value, that make it desirable for all who have to do with fowls to breed them pure and in perfection.

The same answer applies to query No. 1. What for instance, is to be gained by a cross of Plymouth Rocks and Dorkings? Both are excellent fowls, good egg producers, admirable sitters and mothers, though not disagreeably over-persistent in their broodiness, first rate for table use, and of about the same size. There seems to be nothing gained only the peculiar qualities of each to be destroyed. This would seem to us to be rather a pity than a matter for congratulation. The Plymouth Rock is a Standard fowl in this country, in good demand, and a peculiarly desirable breed, having probably no peer for hardiness and tenacious vitality, certain strains to be excepted that through continued abuse in passing from hand to hand have completely "run out." For Dorkings, of which so few are bred in this country, the demand is increasing. Any one having good stock of this breed to spare can usually find a ready market either for fowls or eggs at good prices, and in this breed especially it would seem to be a matter of ordinary economy to utilize and make the most of all the good stock to be had.

But rules have their exceptions in the soft roaster branch of the business, pursued as a specialty, crosses between breeds (first crosses only) have their well acknowledged merits.

\* \* \*

Percentages. If each breeder will keep a small memorandum book in easy reach, and enter in it the particulars of each sitting of eggs, the name of the person from whom they were received—if not from his own stock—the number of chicks brought out, and any special incidents that might affect the result, much benefit will follow.

No one man can learn everything connected with the business from personal experience without years of labor and countless fruitless trips up north-roads. Every lucid percentage account, will throw much needed light

on subjects of great interest to every man who would breed intelligently. The more nearly we can show by figures the average successes of all the operations attendant on poultry breeding the closer we shall come to making it a true science, and the less complaint we shall hear from unsuccessful breeders.

We are inclined to believe that of all the eggs set in America since white men lived here, not over sixty per cent hatched, and not over half the chicks that were hatched lived to grow up. The fact is, hatching and rearing chickens has usually proved a very uncertain business whether with farmers, or professional poulterers, or fanciers, and whether with common breeds or pure-blooded fowls. But losses by fanciers are more noticed and commented on than in the other cases we have mentioned, the stock being more expensive.

But no amount of experimenting and reckoning of percentages will amount to a hill of beans unless care is taken in conditions. There are lots of experiments that prove nothing whatever excepting the stupidity of the experimenter. To be sure the ordinary person cannot be expected to practice a high degree of strict scientific accuracy; but at the State Stations there is no excuse for bungling.

Huddling. It is very common for a beginner in the art of raising chickens to overcrowd them. They have a natural tendency to huddle very closely. If you put a batch of different sizes and ages together, the smallest will become so packed and crowded by the older and stronger ones that they will die, and even when they are nearly of the same age and strength they will become wedged down into the angles and corners, if you have too many together. Even if not killed outright, they become so enfeebled by the effects of bad air, that they grow puny and weakly if there are very many together.

To keep them from packing too closely, cross partitions should be arranged in various directions, containing a few openings here and there, so that the various apartments may connect with each other. It must be remembered that the crowding evil is cumulative. What we mean is, that if one chick crowds to the amount of an ounce, and another one crowds him to the amount of an ounce and so on, it finally creates a pressure against the chicken at the end of the line sufficient to almost press the breath of life out of him.

Whoever has been in a crowd, on the occasion of a fire or panic of any kind, will know what we mean. Thousands of chickens have been sacrificed in the attempt to keep too many in the same box or "artificial mother." The box or apartment where these artificially reared chickens congregate nights, should be cleaned, purified by the rays of the sun, and its floor covered with dry earth every day. Besides this, openings should be placed in the top to give exit to the impure air.

When chicks are reared by hens, the crowding is liable to occur after weaning, when several broods are united, and from a crowd of fifty or more under one shelter and they have not yet learned to perch. In case of strong winds striking one side of the bunch or if the nights grow cold towards morning there may be some crushed individuals, or if not even not actually

killed, there may be quite a number that become overheated and unfit to resist the cold when they come out in the morning. To rear chicks to weaning age is one thing, and to manage them after that till the cockerels are removed and the pullets taken to the place where as pullet hens they are to stay, is another thing, and one which demands much study and ingenuity if large numbers are to be reared.

\* \* \*

The scratching question. At sundry times and divers places we have written much in favor of not only encouraging but compelling scratching.

Nature has designed that fowls should scratch for a living. We all agree that physical exercise is indispensable to men, horses, dogs and other animals. But birds are by nature more active in habit than even horses or dogs. It will not do to thwart them. The exertion of scratching soil, straw, leaves or rubbish, must be pretty severe work, and capable of calling into action most of the larger

### R. C. WHITE ORPINGTONS

I showed 25 R. C. White Orpingtons at the recent Ill. State Fair and won all the prizes. Have some S. C. White Leghorns (young strain) for sale.

E. O. HEATON SCIRCLEVILLE, IND.

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Then watch results. There's no better grit—no better egg maker—no better health food for all poultry than

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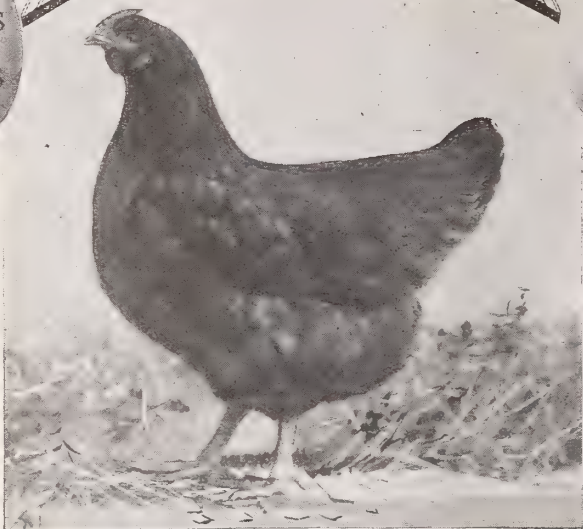
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R. C. R. I. Red "Lady Hattie"—255 Eggs

TRAP-  
NESTED  
200 EGG  
STRAIN

### THE WORLD'S BEST LAYERS

BARRED ROCK    BUFF ORPINGTON    S. C. R. I. RED



Lady Vera  
235 Eggs



Lady May  
219 Eggs



Lady Agnes  
236 Eggs

# 85 EGGS

**Is the Average Yearly Yield  
Per Hen, So Says the  
Government Statistics**

The government knows and so should you know. Do you know that in many states and in all probabilities, in your own state, there are poultry experiment stations conducted by the state governments? The nature of their work is to increase egg production both by breeding and scientific feeding. It has been ascertained that both are essential. Breeding is 75 per cent and feeding 25 per cent. No progress can be made if a haphazard method of breeding is adopted.

**Absolutely No Progress Can be Made Unless the  
Individual Records of the Breeding Stock  
Are Known**

The method of breeding from the best layers year after year is the only method that will bear fruit. This means the continual use of the trapnest. The fact that there are so many failures in the poultry business, even though market eggs have doubled in price within the last ten years, is due to the reliable laying stock. There is no doubt, but what there are good layers in every flock, probably 30 per cent are profitable, 70 are not profitable. These are the proportions your purchase will represent if you are buying from the breeder who does not trapnest.

Would you not rather pay a little more, or not buy as many, knowing that your purchase is stock from **profitable layers only**. This deserves your serious consideration. You cannot succeed with stock others are making failures with and upon careful investigation you will find that 99 per cent of the breeders of this country are not breeding for eggs. They are breeding for show purposes and are offering the inferior specimens to you as egg producers.

See ad on opposite page, also photographs of my White Rock and Barred Rock layers. My catalogue is **free**, write for it.

===== **John G. Poorman:** =====  
**Midlothian Farms and Hatchery**  
Box 100 : : : : Tinley Park, Illinois

muscles. Then, of course, artificial deprivation of such efficient exercise must ordinarily tell upon health and thrift.

Who has seen a dozen hens at large in garden time, with freshly raked flower beds near by, and not learned what the predominating instinct of the animal is? Philosophers have tried to define man as a laughing animal or a cooking animal—there need be no doubt whatever that a hen is a scratching animal.

We believe that in most climates a scratching place should be provided winter and summer for fowls. It not only keeps them in good condition, but the fun of seeing them work at it is worth more than all it costs, yet down here, though by the use of plow, and harrow or cultivator we see to it that there is an abundance of loose soil on the range so that there is constant temptation to wallow, we do not believe that our birds, being most Leghorns and consequently good travelers, need any special scratching exercises in procuring food. It is too hot here for that. They are forced by the sun to spend a large part of their time cuddled in the shade during most of the year, and when they come out they need all the time they have for exercise to run about and pick green stuff.

\* \* \*

Anent outcrossing. Whenever a defender of close breeding is cornered, he almost always resorts to the old yarn about Bates and his cattle and a few other like cases. I have shown in previous issues that wherever close breeding has won out is the very place to look for signal benefits of crosses. The stamina and prepotency desired in the incipient new breed comes from fortunate outcrossing.

Take the Suffolk breed of swine for instance. H. C. Millender, a good authority says:

"This breed is generally known in England as the Small Black breed. The precise nature of the crosses by which this breed was produced is unknown, but it appears to have been based chiefly on the Improved Essex, with a dash of the Berkshire blood added. The Essex resulted from the introduction of Neapolitan blood to the native breed of the country, until, in the words of Lord Western, the breeder, 'The breed could not be told from the pure bred Neapolitan.' Inasmuch as the Suffolk was in large part based on the Essex, it also took many of the characteristics of the old Neapolitan; but the introduction of Berkshire and other outside blood gave the Suffolk more hardness than the Essex had."

The same breeder says concerning Victoria swine:

"This breed originated in Lake County, Indiana. Mr. George F. Davis claims the honor of being the founder and it is stated that the breed arose from crossing the Poland China, Chester White, Berkshire and a breed known as the White Suffolk. English authorities, however, state that there is no such breed but that the hog known as the White Suffolk was in reality the small Yorkshire."

\* \* \*

The fireless brooder proposition. Come right down to it, when you try to keep animals of any kind, human beings included, warm by means of their own heat, by crowding them together in any sort of box or apartment, you pay for the heat in poisoned air. Before the era of the open-front



idea, much was said about building warm poultry houses. I erred in this direction with a large crowd of fellow sinners, but have experienced a change of heart. No building is warm of itself. If it is to be warm, it must be heated somehow. There are four methods of warming poultry houses—by animal heat, by the heat of a fire, by solar heat, and by the heat from the interior of the earth.

The method of warming by animal heat is one that serves to raise the temperature readily enough, but as just remarked, at the penalty of bad air. The quantity of heat generated by the bodies of animals is very great. Many a lost traveler on the western prairie, or in the Arctic regions, has perished by freezing, when if he had understood that by getting under his sleigh and covering himself entirely with his overcoat or robe holding down the edges so tightly as to entirely prevent the ingress of air, the heat from his body and his lungs would have kept him alive. In this case he secures heat at the expense of breathing rank poison. He must nearly stifle himself, and only as a last resort push away the covering to admit a few breaths of fresh air, at very rare intervals.

Now much is said about warm fowl houses, but viewing the matter closely, we shall find that animal heat is retained by denying the admission of fresh air. We have seen an elegant barn with one story devoted to a stable of Jersey cows with a height between the floors barely sufficient to allow the keeper to stand upright, and on entering it of a cold winter's morning the visitors would at once look around to see where the fire was kept, the temperature resembling that of summer, owing to the radiation of heat from the cows' bodies. To turn from the barn to dwelling houses, who does not remember many a social assembly where, as the evening progressed, and the apartment became more crowded, it was necessary to stop the fires on account of the oppressive heat?

Let it be repeated that there is no such thing as a warm building, per se. Heat must come from the employment of one of the four methods mentioned above; from the interior of the earth, from animals' bodies, from the sun, or from artificial heat. Whichever of these modes is resorted to, they are all more or less, antagonistic to ventilation, and the method by animal heat is particularly so because a pretty close crowding of the apartment with animals goes with it. What we mean is that a goodly number of animals must be kept in a comparatively small room. In keeping the heat in, we keep the cold air out. But the cold air is the fresh air, and only fresh pure air is suitable for the lungs, whether of man or of brutes. In supplying or conserving animal heat we must make up our minds to lose a part of it by ventilation or poison the inmates of the apartment more or less.

Newly hatched chicks by a salutary provision of nature, appear to withstand unusually well the carbon dioxide their breaths produce, when they are closely packed. Some of the foolish objections to shipping baby chicks are evidently due to ignorance of this fact. Do the younglings breathe very slowly and infrequently when huddled? Anyhow it is a matter of common observation that they seem almost incapable of being smothered.

THE  
WORLD'S  
BEST  
LAYERS



White Rock "Lady Show You"—281 Eggs

TRAP-  
NESTED  
200 EGG  
STRAIN

THE WORLD'S BEST LAYERS

S. C. W. LEGHORN WHITE ORPINGTON W. WYANDOTTE



Lady Beatrice  
240 Eggs



Lady Grace  
232 Eggs



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232 Eggs

## Why I Breed for Eggs

**E**GGs are the logical source of income for those who wish to succeed in the poultry business. I breed for eggs because there is a demand for them that has never been supplied, and at prices that yield a good profit. The more eggs I produce per hen means that much additional profit. By trap-nesting and breeding from my best layers, and by the judicious introduction of new blood, my fowls are capable of producing good profits.

I breed for eggs because I can see more **real money** for my products. Ninety million people demand eggs. They constitute the market—the best market in the world. No one ever made a failure because he could not sell eggs, but thousands have made failures because their hens would not produce enough eggs to make success possible. The average hen is not a success. Your stock will have to be above the average if you are to be successful. I have made a success because I breed for eggs from stock that is very productive and has been so for many years.

You are assured of a market. Your success, therefore, depends upon your judgment in selecting the right kind of layers. Do you expect to find these layers on a farm where eggs are of secondary importance, or on a farm where eggs are given every consideration every day of the year?

### MY PRICES:

Pullets .....	\$4.00 and \$5.00
Hens .....	\$4.00, \$7.00, \$12.00
Cockerels .....	\$6.00 and \$10.00
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15 percent discount on trios. 20 percent discount on pens.  
25 percent discount on ten or more.

Write for my catalog and revised price list.

John G. Poorman:

Midlothian Farms and Hatchery

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# Pacific Coast Department

Conducted by H. H. Collier, Tacoma, Washington.

IT shall be our intention each month to give a picture of some prominent Pacific Coast breeder. We want to put the readers of the American Poultry Journal in touch with the men that we will have to mention from time to time. We begin this series with W. M. Coats, of Vancouver, British Columbia, Canada. Our reason for selecting "Billie" Coats is the fact that he has recently been licensed as an American Poultry Association judge. He came before the committee on licenses (of which I was a member) well recommended by five judges. These judges came from all parts of America and they told not only of the qualifications of Mr. Coats as a judge, but they gave the committee an idea of what kind of man Mr. Coats was. Temperament in judges is one thing to be looked into. A man might be a good delineator of fowls, yet might be unfit to judge a poultry show. A man to be a good judge must be a good man. A man to be a good judge must have backbone when needed and diplomacy to equal that of a Blaine. When a man says in a poultry show that a certain bird in a "hot" class is the best specimen shown, he must be able to tell the exhibitors why that bird is best, and he must be able to prove he is right by the Standard of Perfection. The Standard may or may not be faulty, but there must not be any faults with the judge.

We have always said that the score card may not get the best bird in a show room, but it will always show up the best judge. There are times in the show room when a score card is hard to write. A bird comes before you so good that you hardly know how to put its defects down on the card, but if this same bird was compared with another fowl in the class, then the defects can be seen. Comparison together with the score card is the best system I ever used in my nineteen years' experience with the duster. The score card will write down the defects and comparison will show you how good the class of birds that you are handling. I have made it a habit in recent years to have from five to ten coops in some well-lighted corner of the show room. It is hard to get a room where one can have the same light on all birds, but if you have ten coops, you can bring all of the birds up to the same light, and there is no reason why you should not be able to pick the winner whether you use score card or comparison. Have these five or ten coops. If you are scoring the show, take the best bird as he comes and put him into No. 1 coop. Now make every bird that reaches you come up to No. 1 the minute that No.

1 is beaten by some fowl that comes up, put him or her into No. 2 coop and let the other bird take first place. Do this with the birds as they reach you. If a poor bird shows up, score it and send it back to its coop. If you have done your work well you have the five winners in the coops. Now score the five birds, beginning at No. 5 and ending at No. 1. If you do good work, No. 1 will be the high bird and No. 5 in low place. By handling the show this way, you are certain not to let a disqualified bird get by you, and what is

he had a host of friends among the best breeders. While Mr. Coats is a Canadian, yet he was born in New York state. Like many men of the coast, he grew up somewhere else and came west to get room to broaden out in. Mr. Coats has judged poultry shows all over the Pacific Coast, both in Canada and the United States. He is a man of family and a breeder that has produced some of the best birds that have been exhibited on the Pacific Coast. His hobby at present is Anconas and he has a bunch of good birds.

\* \* \*

Eggs on Puget Sound reached the lowest level this spring that they have reached since the panic times. For one day Tacoma market offered as low as 18 cents per dozen. Low water mark for the egg market. This low price came just at a time when hatching eggs were being demanded and as a result many got frightened and there was less eggs sold for hatching than in former years. Some predicted that the low market showed that poultry was overdone in this country and there was much unfavorable comment in the poultry press by the poultry breeders themselves. This low price did not last over a day and the egg market rallied and those who know say that this summer showed a larger average price for eggs than 1912. The scare that the poultryman got with the low price in the spring prevented many from making their usual hatches, and as a result eggs are higher at this time (October 7) than they have been at the same time of the year for many seasons. Eggs will bring a larger price this winter than they have for years. The cause of the drop in eggs was purely speculative. The commission men threw many eggs on the market just at the wrong time and prices went a tumbling, but this winter the commission men will be paid well for their work in the spring as they will not get a chance to handle as many eggs this winter as usual.

Eggs will average in the Puget Sound market about thirty cents per dozen, and the whole cost, even to the inland towns of the northwest, will average twenty-five cents. Portland, San Francisco, Tacoma, Seattle, Spokane, Victoria and Vancouver are all good poultry markets. Seattle is about the best market in Washington for poultry and eggs, while Vancouver in British Columbia, eggs and poultry bring a better price than they do in Seattle. The tariff on eggs will not affect the Northwest in the least. We can get better prices for our eggs in British Columbia than we can at home, so there is no



W. M. COATS  
Pacific Coast Poultry Judge

better, you handle every bird in the class. The man who pays an entry fee has as much right to have his bird handled as the man who wins the blue ribbon. I have found that by handling each bird I was in a position to talk intelligently with each exhibitor as he asked me about his fowl.

But to get back to the subject matter. I have known William M. Coats for many years. I was one of the judges at the first show he worked in where he used the score card. He was and is a man that will ask questions. If he is in doubt he is always willing to learn. I want to say that in the shows where I have seen him work and in the shows where I have followed him, I found that



# Fifty Dollars in Gold

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## Ajax Improved Oxygen Vitalizer

by the Reliable Poultry Specialty Co.

Editor American Poultry Journal.

In the spring of 1913, and at the time that we were advertising our Ajax Improved Oxygen Vitalizer in the columns of the American Poultry Journal, we instituted a contest, with prizes aggregating fifty dollars in gold, for the best reports of those who were using the Vitalizer during the season.

We did this for two reasons. First, we thought that it would have a tendency to increase the sales of the Vitalizer; and, second, we wanted the public to know, at the proper time, the results that the Vitalizer had produced in the hands of those who had used it.

If you shall think that the poultry world will not be interested in this report as a matter of news, then we will gladly pay for the space, because we want the poultry world to know what this device is actually doing to put the poultry industry on a better paying basis.

Among the hundreds of reports received, the committee in charge of the contest at last, and after a careful examination of all, narrowed the contest down to five names.

The successful contestants are those whose names appear below, and the report of each is set forth in brief form. So close were the results obtained by the leaders that we finally placed them all on an equal footing, and awarded the sum of ten dollars to each.

Dr. J. Oren Bearstler, president of the Pottsville, Pa., Poultry Association:

"I secured three 98 per cent hatches of the finest, biggest chicks I have ever hatched, and consider the Oxygen Vitalizer the most valuable device presented to the poultry world in twenty years. Not a single case of white diarrhoea during the season."

(Signed) Dr. J. Oren Bearstler.

The "Two Ruths" Poultry Farm, South Jacksonville, Fla.:

"Four hundred and fifty-six big, lusty chicks, from 460 eggs, is my record for the season of 1913, with the Oxygen Vitalizer. Not a case of bowel trouble. Let anyone write me who chooses, it will be a pleasure to speak in the highest praise of your device."

Edwin O. Gunn, Gen'l Mgr.

From W. S. Crowl, manager Rogers Lumber Co., McAlester, Okla.:

"For 1913, with the Ajax Oxygen Vitalizer, we hatched 1,377 chicks, and the finest we ever had in ten years' experience. We used the same machines in 1912, set more eggs, and hatched 50 per cent less chicks, and half of these died with white diarrhoea; but not a single death from this cause in 1913. We figure the Vitalizer actually saved us \$100 in one season."

(Signed) W. S. Crowl & Son.

From E. F. Cameron, Lindenville, Ala.:

"Three hatches with the Vitalizer attached to hundred twenty egg machine. Twice I got a chick from every egg but one, and the last time I lost five, owing, I think, to too high temperature the 16th day. You may have my sworn statement if you wish."

(Signed) E. F. Cameron.

Miss Laura G. Wilson, Martinsburg:

"Three hundred twenty-nine of the finest White Wyandottes from 360 eggs. The last hatch were untested, but every egg that pipped produced its chick."

(Signed) Laura G. Wilson.

(State omitted, because contestant mentions breed of fowls that she raises.)

As soon as time will permit a full account of the contest will be printed and mailed to all contestants.

Yours very truly,

Reliable Poultry Spec. Co., Alexander, N.Y.

danger from that score. Seattle and Tacoma has Alaska's market on the north to ship any eggs we may have left over after supplying the home consumption, and at that we do not nearly begin to supply our home demand. Eggs are shipped into every Washington town and city during the winter and in summer we seldom sell for less than twenty cents per dozen, and in winter they often go up to sixty cents per dozen and have been known to reach even a higher price. From the utility standpoint the Northwest has nothing to fear, as one can sell every egg his hens lay, as well as every fowl that he can grow, and what is best, get a good price for both eggs and poultry.

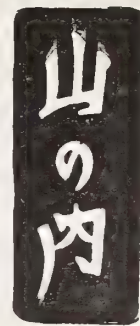
From a fancier's standpoint the Northwest is very much alive. We will hold more poultry shows this season than ever before. There will be a show in nearly every town of any size in the states of Washington and Oregon, while California will have more shows this season than ever before.

The eyes of the Northwest are now on San Francisco and her big fair. The poultrymen all expect to be in San Francisco when the big Panama-Pacific exposition poultry show is pulled off. We expect for the first time in history to meet the poultrymen from the east. We have sent our good money back to the east and middle west and paid any price that the breeders may ask for their fowls, and we believe that in many cases we have improved over what we bought. What is now wanted by the Pacific Coast poultrymen is for the east and middle west to bring out their best birds in 1915 and give us a chance to compare our birds with them. We have had breeders send their fowls to the big eastern and middle west shows and while we did not always get the blue ribbon, yet we taught those fellows back there that we were at least rivals when it came to producing good fowls.

From what we can understand from the management of the live stock department of the Panama-Pacific exposition, the poultry department will have the best prizes ever given a poultry show anywhere in the world. We are promised plenty of good coops and a good building in which to show our fowls. San Francisco has an ideal climate and we all know that it will not hurt our birds to send them to the Golden Gate city. If we can be assured that the east and middle west will bring their best birds out to compete with us, then our cup of joy will be full to overflowing.

We want to impress one fact on the eastern and middle west breeders. If you bring out birds that will take the blue ribbons, and you make a price on such birds, you will never have to pay express on them home, for every bird will remain here on the Pacific Coast, even if we have to mortgage our home birds to get the price.

You will find that you will get a royal welcome when you come out. We members of the American Poultry Association on the coast are counting on the middle west and east to give us the meeting in 1915 of the American Poultry Association at San Francisco, and we here in the Northwest (Washington, Idaho, Montana and Oregon and British Columbia) want all of the members when buying their tickets to San Francisco to be sure that they read via the northern route. In other words,



A Record of Winnings  
Never Before Equalled

## YAMA FARMS

S. C. BLACK MINORCAS  
BARRED PLYMOUTH ROCKS

Make Clean Sweep at  
Syracuse, New York,  
State Fair

AT this great show, where the country's most prominent breeders competed with the pick of the finest birds in all breeds, Yama Farms scored an unparalleled victory.

Yama Farms Barred Rocks won: 1-2-3-4-5 cock; 1-2-3 hen; 1-2-3-4-5 cockerel; 1-2-3 pullet; 1 and 2 pen old; 1 and 2 pen young.

These awards carried with them additional specials.

S. C. Black Minorcas won: 1-2-3 cockerel; 1-2 pullet; 1-2-3 cock; 1-2 hen; 1-2 pen young; 3 pen old.

And in this class we likewise took all specials.

Every winner was bred and raised on Yama Farms. Their showing at Syracuse but repeats and adds to the remarkable string of victories the birds from Yama Farms have won for years past at the greatest shows, against the keenest competition.

If it is worth your while to breed chickens at all--why not breed the best? We specialize in but these two breeds. We have birds for sale—let us fit you out for breeding for the coming shows with winners and line bred birds that will enable you to more than hold your own against the strongest competition in the world. You can do it with Yama Farms' birds—and you can secure these superior birds at prices no greater than you would be compelled to pay for stock of uncertain quality.

We invite correspondence and will gladly furnish you with full information and prices. Our catalogue will prove interesting. Shall we send it?

## YAMA FARMS

Napanoch, Ulster Co., New York



Japanese Entrance to Yama Farms



we want you to see our cities, mountains, valleys and great inland waterways before you return home, and would advise you to take a ride on the Pacific ocean from the Puget Sound basin to San Francisco. You can sail from any point: Portland, on the Columbia river, Seattle, Tacoma, Vancouver or Victoria, all on Puget Sound.

\* \* \*

A two years' membership on the committee that looks over the applications for judge's licenses in the American Poultry Association has convinced me that some other method should be used. Under the present system an applicant for an American Poultry Association license must be endorsed by five judges that have seen him work in a show room. He must be endorsed by others as to his honesty and good character. The better endorse-

ment he gets from his home people has always helped such applicants with the committee. The trouble with the present system is that some men have a chance to work with five judges who can vouch for them, while on the other hand men who could do equally good work in the show room live in communities where there is only one judge used and for that reason he can not get a chance to work with other judges. Then, again, owing to the fact that the American Poultry Association has licensed many judges, it is now easy for poultry organizations to get judges who have already obtained a license, as a result the bright young fellows that might get a chance to judge are not used as they were in years gone by. It is all right to get the endorsement of the licensed judges but, on the other hand, how can a young man get those

endorsements unless he has a chance to work with licensed judges?

Another point that I want to make against the present system is the fact that the judges who do give endorsement are not always frank with those who ask them to endorse their applications. Some judges will tell a young man that they will endorse him, but when the papers are sent to such judges to fill out their answers are so vague that it is nearly impossible for the committee to tell whether such judges want to endorse their applicants or not.

If the judge when asked to endorse an applicant would be frank and tell such men that they know so little of their work that they could not honestly give them an endorsement, we would see few applicants turned down by the committee in their report to the executive committee of the American Poultry Association. When a judge signs his name to the endorsement papers and then fails to answer the question there propounded, then the committee can not do anything but turn the applicant down. For instance, the judge is asked the question: "Did you ever observe the work of the applicant in the show room?" And the judge answers no; the committee then throws out that answer. When the judge is asked many similar questions and his answers are either vague or not explicit, the committee has to return an adverse report. If those judges would be frank with the applicants and tell them for the lack of knowledge as to their work they could not endorse them, then the applicant for a license would be saved the embarrassment of having himself advertised as an applicant for a license and was turned down.

Someone should offer an amendment to the constitution making a man appear before the committee at the annual meeting. This committee should be composed of three men that are thoroughly acquainted with the American Standard of Perfection, and they should have had experience in the show room as judges. The applicant should come with as good endorsements as it is possible for him to get. He should go through the same form as at present but it should be left to the committee, after a thorough examination, to either

## The 3 GREAT EGG MAKERS THAT PAY FOR THEMSELVES IN A YEAR.

**CROWN BONE CUTTER \$5.50**  
Has hardened steel knives, Price, like picture, \$8.50; for bolting to table, \$6.50. For larger sizes see our Book

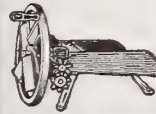


Unless fed plenty of FRESHLY CUT GREEN BONE, with the meat and gristle still sticking to the bones as you get them sweet from the butcher, and CUT CLOVER, hens can't lay as many eggs as they should. The bone must be freshly cut or it's tainted, and spoils the eggs, and often poisons hens. Clover must be cut into short lengths, or most of it is wasted, and what is eaten is fibry and often clogs the crop. If you don't give hens lots of ground SHELL and GRIT they can't digest properly nor get out of food what they must have to make eggs.

Don't depend on buying cut bone because you can't get it fresh, and dry bone and meat scrap are poor substitutes. The only satisfactory and profitable way is to own these three splendid machines. They're not expensive, are easy running, not complicated, and built to last a life-time.

**GEM CLOVER \$9 CUTTER**

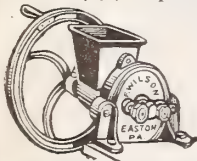
Cuts green or dry clover even and easy. Screw feed & adjustable cutter bar. Blades always square to bar. Price, like picture \$9; high legs, \$10.



## WILSON BROS. BONE CUTTERS, CLOVER CUTTERS & GRINDING MILLS

**GRINDING MILL \$5**

Best hand mill for grinding easily, quickly, Dry Bones, Shells, Grit, Charcoal, Corn, Wheat, etc. Price with Stand, \$7; like picture \$5. Large sizes, hand and power.



**WRITE FOR FREE BOOK**

**DON'T KEEP HENS UNLESS YOU CAN OWN THESE MACHINES**

They won't pay you well enough for eggs or table. Keep a record of results and you'll soon prove that these machines will pay for themselves in a year.

Handled by nearly all dealers and hardware stores, or shipped direct. Write for our prices on all sizes—hand and power.

Do your neighbor's cutting and make money. We also make the CORNING FEED MIXER, the best mash and grain mixer in the world. Every Wilson machine is absolutely guaranteed. Write to-day for FREE BOOK & Price List. **WILSON BROS. DEPT. F 25 EASTON, PA.**

## R. C. RHODE ISLAND RED COCKEREL SALE

A breeder from \$2.00 up. A show bird from \$10.00 up. All rich in the Bill Taft blood. Kaufmann & Windheim's famous strain. See advertisement on page 1357.

## DUNE-ALPIN

# S. C. White Leghorns

Have won more first and special prizes in the past four years at Grand Central Palace, New York, Boston, Hagerstown, Philadelphia, etc., than all competitors combined. They have won in almost every large show held in this country and Canada for our customers. They can win for you. Our birds are better than ever this year. Proof:—Twelve firsts and ten seconds on twenty-two entries at live Long Island shows. At the

## Great Hagerstown Fair, 1913

The greatest poultry show of the year, (7,000 entries), and in the strongest class of Leghorns out this year, we won cock 1-2-3, hen 1-2-3, cockerel 1-2-3, pullet 1-2-3, old pen 1, young pen 2-3, special for best bird in the show, special for best cock, special for best bird in the Mediterranean class, etc. Write for catalogue and prices.

Dune-Alpin Poultry Farm, Geo. J. Kerr, Manager, Box 561-J, East Hampton, New York.



give or not give the applicant a license. Of course their report should be subject to the approval of the executive board.

A committee has been appointed to draft a new constitution for the American Poultry Association. Out of that committee should come a better method for granting judges' licenses, and it is up to the members of the American Poultry Association to offer suggestions to that committee on every phase of the constitution. The judges of poultry should write the committee their ideas on judges' license.

For one, I am in favor of granting licenses. I believe that it is up to the American Poultry Association not only to make a standard for fowls, but they should also create a standard for judges. Judges should be protected and so should exhibitors of poultry. Incompetent judges have done a lot of harm to the industry and it is up to the American Poultry Association to weed out those that are not "up to now" and substitute men that will give good satisfaction. A man that goes out and judges poultry and refuses to follow the Standard of Perfection should have his license revoked as much as a breeder should be punished who fakes his fowls in the show room.

A license to judge poultry given by the American Poultry Association should mean something to the man that gets it, and it should mean a whole lot to the association that grants the license.

The fair poultry shows have been by far the best this season that the Pacific Coast has ever seen. The Oregon and Washington state fairs this fall have been crowded to overflowing with good birds. The writer has been superintendent of the Washington state fair for fifteen years and he has judged the Oregon fair two years and exhibited there many seasons. This fall the dates of the two big northwest fairs conflicted and as a result I did not see the Oregon exhibit this season, but I have just received a card from Judge Coats who placed the awards that Oregon cooped sixteen hundred birds and that the quality was fine. The Washington state fair was a splendid show this fall. In fact the exhibit was by far the best that I ever saw on the grounds. Judge E. C. Branch, of Lee Summit, Missouri, placed the awards, and he said it was a great improvement over last fall and he was surprised at some of the quality that he handled. It has been the policy of the state fair management to always get as good a judge as the middle west or east could furnish. There is not a well known judge back east or in the middle west that has not been out here at some time. For the last two years E. C. Branch placed the awards at the Washington state fair, and he succeeded James A. Tucker, Michigan's noted judge. We have had Theo. Hewes and J. C. Clipp from Indiana and many other notables to come and pass on the Washington state fair birds, and we hope in time to give many of the eastern and middle west judges a chance to come out and compare notes with us.

James A. Tucker will judge the Tacoma show this season. He is also booked at Spokane and North Yakima. J. H. Drevenstedt will officiate at the Walla Walla show in January and Charles G. Hinds of Oakland, Cal., will judge at Aberdeen, Wash. William M. Coats, the British Columbia judge, will

have quite a few shows in Washington and Oregon, while I will judge several myself, beginning the first week in December at Mount Vernon, Wash. There are more shows this season than ever before and the fancy is looking up despite of the fact that things have been a little dull in other lines. When you middle west people quit building it affects the lumber trade and that trade is one of the big things of the Puget Sound country.

The crops of all kinds have been good in the Northwest this fall. Wheat, and for that matter all kinds of grain crops, has been good, and the fruit crop not so large as last year but the prices are fine and the fruit people are happy.

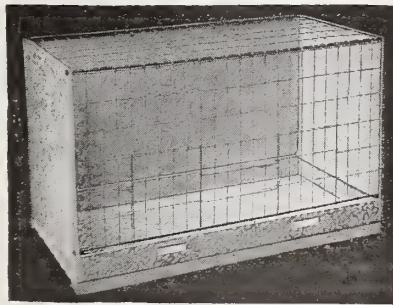
Washington is beginning to go into live stock of all kinds. The forest of Washington has retarded farming. Our trees leave such large stumps that clearing land has been a problem. The state has taken a hold of the matter of clearing lands. A law was recently passed in the legislature that will make improvement districts in each county. These districts will issue bonds and the money will be used to clear the logged off lands. The state owns many acres of these lands and when cleared they will be sold to settlers on long time payments. The western part of Washington is one of the most fertile countries imaginable. From a standpoint

of dairying western Washington can not be beat for the reason that the winter is so mild that grass will grow the year around. As soon as the big timber is cut the land will grow up with grass, and white clover seems to be native to the soil. Good pasture can be had at nearly all seasons. There is a dry spell in the month of August, but as soon as the rains of the fall comes on grass will spring up and good pasture can be had well into the winter.

I look for a great live stock revival and from the interest shown in the live stock exhibits at the fall fairs a lot of people will take up live stock another year. Over in the Yakima and Wenatchee valleys, as well as the Kitis valley, fruit has been all the go, but the low price of last fall taught the farmer a lesson and more attention will now be paid to diversified farming and in time much of the beef and pork used in Washington will be grown at home. Beef is now so high that it is cheaper to eat chicken than beef, and there is no reason why the price of poultry will not rise, but at that any old hen will sell for twenty cents per pound wholesale and one can not get a chicken of any size dressed for less than a big silver dollar.

Fresh ranch eggs are quoted today, October 8, at 45 cents per dozen.

**Better read that back inside cover right now. Its a sure base hit**

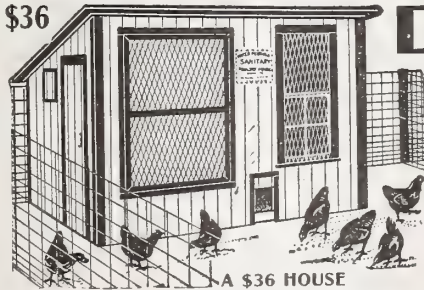


## GET READY

Buy coops now for county and state fairs. We make training and exhibition coops, brood, setting and colony coops, fireless brooders, portable hen houses, trapnests, portable fences and runways, collapsible show coops to coop poultry shows, etc. We will be at the state fair, Springfield, Illinois, under a large tent south of the Dome Bldg., next to the covered walk on lot 90 don't fail to see us there. Write now for catalogue, it is free. Address

Niemann Bros. Mfg. Co., Box 677, Mt. Olive, Ill.

\$36



A \$36 HOUSE

No. 5, style "D" 8x10-ft. Potter portable open front, fresh air, scratch shed house, equipped with No. 17, style "A" 5-ft. 3 perch complete henery outfit for 30 hens. Price of complete house, \$36. Painted 2 coats.

eggs. The fresh air sanitary house shown here and coops we make ranging in price from \$3.50 up and everything we make is absolutely guaranteed.

### Send for Our Big Catalogue

Contains 132 pages and over 150 illustrations showing Potter portable houses, coops, henery outfits, feed hoppers, brooders, hovers, feeds, etc.—in fact—everything the poultry keeper needs to insure the greatest success. Catalogue mailed for two red stamps to cover postage. Write for it today and save money. Mention this poultry magazine.

**Potter & Company**

BOX E-21

DOWNERS GROVE : ILLINOIS

## Don't Build

YOU can buy better, cheaper, more complete ready (factory) made hen-houses, roosting and nesting fixtures, coops, etc., from Potter & Co., because they buy lumber in carloads, cut and fit all parts perfectly by automatic machinery and deliver the house, coop or fixture you need in convenient sections all ready to set up.

### Potter Poultry Houses and Fixtures

Portable, Sanitary, Inexpensive

Have been on the market for over ten years and are used and recommended by thousands of poultry keepers who want the best and buy the best in poultry houses and equipment. You start right when you buy a Potter portable with complete outfit of roosts, drop board and nests. A clean sanitary house means healthy hens and lots of it is only one of the twenty styles of houses



A \$6.60 HENNERY OUTFIT

No. 19, style "A" 6-ft. 3-perch complete Potter henery outfit for 36 hens. This same style made in 12 sizes.



# Questions and Answers

Conducted by  
Prince T. Woods, M. D.



## Inbreeding.

Q. (1) I have noted comment in recent issue of A. P. J. concerning inbreeding when mating birds for high egg production—namely, that it was detrimental to best results. Do you consider Felch's plan, by chart, for line-breeding in this same class? Can not good laying characteristics be perpetuated by this method of mating just as are exhibition points?

A. (1) You will find a modern interpretation of the Felch line-breeding system in the chart on page 123 of the A. P. J. 1913 Year Book. We do not know how many breeders have consistently followed this plan of line-breeding through ten generations, if any. The actual data of pedigree and proof is still wanting. We would be glad to get facts from carefully kept books on pedigree line-breeding covering ten years.

This is a subject where every man has to read what is written and draw from his own experience and his observation of the work of others. Careful, consistent, long continued pedigree breeding, as it is conducted with other live stock, is practically unknown as applied to poultry. You have to get together such data as is obtainable and think for yourself.

The American people are a decidedly crossbred race as compared with old world peoples. We, in this country, like to believe that we are a very superior race in physical perfection and

along most lines of endeavor. Close inbreeding or incestuous inbreeding was made taboo early in the history of the human race. It was found necessary to make laws forbidding mating of certain relationships—and there must have been a reason. Statistics prove that where there have been frequent intermarriages of first cousins the results have been disastrous. There has been a loss of mentality, loss of constitutional vigor, less power to resist disease and an intensified tendency to contract disease. Sterility has also resulted. Even the most ardent advocates of inbreeding, who claim that there is no actual harm in inbreeding per se, admit that inbreeding results in a "multiplication of pathological germs of the same nature."

In other words, if two fowls possess a certain undesirable tendency (even if you can't see it on the surface) that undesirable tendency along with the other things will be intensified in the offspring when such fowls are mated.

Now, mighty few people can see a healthy fowl on the outside and know what they see. How many there are who are capable of seeing the real inside values in a fowl, we don't know. They have not yet been able to show us. It is inside values that count when breeding, not mere surface values.

We don't know how much truth there is in the claim that if specimens of high constitutional vigor are al-

ways selected for breeding, and if both sides of the mating (male and female) do not possess similar faults or tendencies to abnormalities, the close inbreeding may be carried on indefinitely without any apparent harm.

The great trouble is to find anyone who is competent to tell what points of similarity exist in inside values and inside faults in a given mating. Who knows and who is competent to judge?

Everybody admits that there is danger in careless close inbreeding. Nobody has yet proved that there is no danger in the most carefully conducted close inbreeding. The results that we see everywhere about us as a result of close inbreeding as generally practiced are: A certain uniformity in type, features and general appearance, or family resemblance. Indifferent constitutional vigor. Indifferent reproductive powers. Later we get gradual decrease in size, loss of power to resist disease, deformities, and sterility. How many times have you known of a certain winning strain that was finally "bred out" of existence? The highway of poultrydom is strewn with the bleaching bones of such bred out strains. Only the willfully blind fail to see them.

How many breeders do you know who breed as carefully as some "authorities" would have us believe? It has been said that the wonderful and exceptional layers are freaks. Isn't

# American Poultry Association

The poultry industry of this country amounts in the aggregate to one billion dollars per annum. These figures paralyze the imagination.

The American Poultry Association is the largest live stock organization in the world and its membership is increasing with tremendous rapidity. On its roll are the leading breeders and representative poultrymen of Canada and every state in the union.

**Every breeder, fancier, man and woman in the United States and Canada who is interested in poultry of any kind should join this great organization.**

## The American Standard of Perfection

The **Standard of Perfection** is the official guide for the breeding, mating and judging of all poultry. It gives a close and detailed description of every breed and variety of chickens, ducks, geese and turkeys, with illustrations from living models. This book is published by the American Poultry Association at an enormous expense and is the American authority. You can not raise poultry successfully without this American Standard of Perfection. Prices postpaid from the publishers of this paper. Cloth binding, \$2; leather binding, \$2.50. Send all orders to American Poultry Journal, 542 So. Dearborn St., Chicago, Ill.

**On its shoulders rest this gigantic Billion-Dollar Industry.**

Your interests will be promoted and safeguarded. You may compete for the association diplomas and gold and silver medals at the shows, and be entitled to all the help that honest organized effort can give you.

You will have a voice in shaping the course and policy of the association. Making it recognized by nations and governments. Your name should be one of the thousands of the honored members of this association.

We urge you to write immediately for information and application blank. Address

E. B. THOMPSON, President, Amenia, New York  
S. T. CAMPBELL, Secretary

**American Poultry Association, Mansfield, Ohio**



that pretty nearly true of all phenomenal specimens? Some of the specimens, perhaps most of the specimens, that come so close to standard perfection are also freaks. They seldom can be depended upon to reproduce their equals or anything approaching their own perfection. Some of them may be the product of years of careful breeding and some are just accident. More than once an accident, purchased by a knowing observer, has carried off a ribbon.

Consider again that the new varieties are the product of out-crossing. When the new varieties first make their appearance they are heralded far and wide for their wonderful egg producing ability, etc. Later on, after they have been closer and finer bred they don't produce as well, and they have more difficulty in proving their good qualities which they possessed to the full when the blood was closer to the original mixing.

Now, fowls are not human beings and probably can stand closer breeding than human beings. Also, bear in mind that guinea pigs are not fowls and may be able to stand longer and closer inbreeding than fowls. Also consider that environment has a lot to do with the make up of all individuals. It has an influence. Related fowls grown at a distance from one another and under different conditions may differ enough in inside values and inside faults to be bred with less danger than fowls of the same blood that are brought up together. All White Rocks (for example) are more or less related. They must be, it can't be helped. If you grow them under the same conditions and breed in and in under the same conditions, year after year, you get trouble. It is not necessary. You can always get White Rock blood raised under different conditions and only remotely related to your own stock that is safer to use with the home flock. Apply the same care to selection of the breeders when introducing "new blood" of this sort that you should to selections of home grown stock for breeders and you won't have half the troubles that some folks would make us believe come from outcrossing.

Think these things over. Also consider how many men you know who are capable of using their X-ray eyes to see the "pathological germs of the same nature" inside the living fowls, of both sexes, which they select for breeding. When you must take chances, it is a good plan to take the chances on the side of safety.

Experimenters in all lines are human and liable to human failings. Some are apparently exceedingly conscientious and some seem to spend most of their time playing politics or four-flushing to the gallery. It would be interesting to know just how much time they personally give to the careful conduct of any given experiments and just how much of the work is done by careless or incompetent helpers, who let the work slide along any old way to get it done.

We believe that all the benefits that may accrue from any inbreeding can be gained through breeding no closer relationships than second cousins. If this is true, there will be no need to breed closer relationships and the danger of increasing unknown inside faults should be less. Of course, in any breeding, the greatest care should be observed to breed only from specimens

possessing the greatest degree of constitutional vigor you can get.

Bear in mind that where inside faults, the possession of "certain pathological germs of the same nature" (hereditary tendencies to trouble), exist, they are particularly liable to be found in most representatives of that family. Hence, where there are faults; father and daughter, mother and son, brother and sister, are likely to possess these unseen inside faults in common, to a greater or less degree, and such individuals mated as indicated would be almost certain to multiply the faults. Would the most ardent advocate of close inbreeding allow, if the law permitted, brother and sister to mate in his own family? If not, why not? Surely he must have some other reason than mere sentiment. Also, why is sentiment so sure to rise and forbid such unions? Nature is said to always supply warnings against anything that will result in death or deterioration of a race. Isn't this abhorrence of incest one of Nature's warnings?

Q. (2) Would it be advisable to breed from a cockerel having a cross bill? I have a bird of splendid type and very good in all sections but this one, but hesitate to use him unless I can be convinced that there will be no tendency on the part of offspring

to inherit this defect as they would a side sprig.

Saugatuck, Mich. H. D. W.

A. (2) We wouldn't breed the specimen. Kill him and send him to the market. For breeding the best specimen, entirely free from observable deformities, is none too good.

### The Best Breed.

Q. (1) Which is the best all purpose breed, eggs and meat combined?

A. (1) We don't know. All of the leading popular varieties are good. For eggs and meat the American breeds probably rank first in popularity. The more popular of the Asiatic and English breeds are a close second. The heavier varieties among the white egg breeds are good.

We would not hesitate to take any one of the leading popular varieties, of a type which we liked, and would expect to get good returns in eggs and meat. We have tried a good many and found all good.

The results obtained from any variety depend as much upon the man who cares for the fowls as upon anything else. Observe which variety or breed is most popular and in most demand in your section. Does it lay the kind of eggs most in demand by your trade? Do you want eggs and meat or eggs

## WARD'S CHAMPION DARK CORNISH

Let Ward quote you a price on that exhibition bird or pen. Remember the best flock of imported birds ever brought to America are in Ward's yards and "blood will tell." : John W. Ward, Box 7, Pennington, N. J.

## SPRING WATER FARM SINGLE COMB WHITE LEGHORNS

All of our this season's breeders, including our prize matings, must be sold to make room for our oncoming young stock. These will be disposed of during July and August at tempting prices. Write us before placing your order and request one of our free booklets, describing our stock and plant. Mention American Poultry Journal when writing.

Spring Water Poultry Farm, R. F. D. 1, Stockton, New Jersey

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### To be Recognized More and More as an Essential Part of Successful Poultry Breeding

The most successful breeders are now trapnesting. The birds that are now producing the most cash are found in trapnested flocks. Lady Showyon, the world's champion laying hen, was bred from trapnested stock. The man who produced her, Mr. J. A. Bickerdike, Medford, Oregon, (formerly Millersville, Illinois), has not only made trapnesting his life work, but has given special attention to the kind of trapnest best suited to give practical service. He is in position to know what it takes to constitute a good practical trapnest. With all his extended experience, covering many years, Mr. Bickerdike has just completed a new trapnest that is a winner. The Medford Trapnest is in a class by itself. Nothing like it ever before offered. The trap will fit any nest and can be attached or removed in an instant. For accuracy, convenience, simplicity and low cost, the Medford Trap is the same of perfection. No springs, wires, pulleys nor intricate mechanism to get out of order. Nothing to wear out. Nothing in the nest but the hen and the egg she lays. A child can operate it.

### Here's What the Breeders Say of It:

- "Is sure a winner. Better than high priced trapnests."—H. W. Halbach, Waterford, Wis.
- "So simple anyone can attach and operate it."—C. F. Williams, Salem, Oregon.
- "Your trap is a very good one."—D. T. Heimlich, Jacksonville, Illinois.
- "Is very simple and effectual and is certainly a winner."—S. A. Noitzger, N. Manchester, Ind.

Hundreds of others, breeders, judges, editors, are testifying to the exceptional merits of the Medford Trapnest. Install them in your laying houses and get bigger profits. The Medford Trap is sent to any address, all charges prepaid, including one trap complete with full directions, and individual right to make and use, for only one dollar.

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To introduce our trap to the readers of A. P. J., we will send one of the Medford Traps, complete with directions and right to make and use, all charges prepaid, for only fifty cents (stamps will do). We will please you or return your money. Even if already equipped with trapnests, it will pay you to investigate the Medford Nest. Order now and get it at half price. This offer good for this month only. Address

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# FRENCH'S Poultry Mustard

Absolutely Pure Patent Applied For

## The Original Poultry Mustard

French's Poultry Mustard is now in general use on about all the leading fancy and utility plants giving universal satisfaction to every user. Its properties are beneficial and valuable to all alike. Try it and be convinced.

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When used during the moulting period it **invigorates** the birds, **strengthen**s weak and lost tissue. It is an aid to rapid moulting and claimed by users to be just the stimulant essential to the growing of the richest plumage.

### Condition

The record you will make the coming season in the show room depends largely on the condition of your birds, unless at their best, the other fellow has the advantage. You owe it to yourself to carefully condition and exhibit your stock. French's Poultry Mustard has met with pronounced success in this line. Breeders know its value and believe as we do, that it is just the thing to feed liberally when putting your birds in show condition. It keeps them at their best. Try it and be convinced.

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French's Poultry Mustard insures an increased egg yield. The large egg farms buy it in barrel lots; their own experiments have proven it of value and an assurance of the greatest possible egg production when regularly fed.

### Old and Young Thrive on It

Experiments here and in England have proven its value. It is used and recommended by thousands of poultrymen as an aid in moulting makes it **quicker and more natural**. It is beneficial and insures the **richest plumage**. It keeps the birds toned up to show at their true worth and has given general satisfaction to every user.

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Is sold by the leading poultry supply houses. If your dealer hasn't it, send us his name and order direct from us. It is sold at 20 cents per pound, in six and ten-pound boxes and 25-pound kegs. Sample package, one and one-half pounds, 35 cents. A trial will convince you. Write for it today. Poultry pays best and does best when French's Poultry Mustard is regularly used. A teaspoonful to six to twelve fowls fed daily in wet or dry mash will insure results.

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Booklet for the Asking

The R. T. French Company

Department A

Rochester, New York

mostly? If you want meat and eggs both, get a variety producing good sized specimens. If you size up the demand you will be apt to take a liking to the sort of fowl that is equal to producing to meet the demand. You want to pick something that will sell and it is not difficult to find out what sells best in your locality. There are varieties enough in most breeds to suit any taste. Choose that which can supply the demand and will suit you best, appeal to your fondness for the beautiful and be something you can be proud of owning. Then go ahead and make the most of it. You can raise fine, beautiful fowl that show uniformity and you can make them produce for you, if you put thought and work into the business. There have been plenty of specimens among the heavier fowls that have proved just as good producers as the best among the lighter weight ones.

The quality BEST is not in the breed, of itself, it is in what you make of the variety you select. It depends on YOU.

A. (2) What is the best laying strain of the variety you consider best? Missouri. Max.

A. (2) There are good and indifferent layers in all strains. We don't know which is the best. After you pick your variety, choose a breeder, who, so far as you can discover, has made a habit of selection for heavy egg production. Get eggs, day-old chicks or stock of him. If you can get a similar stock from another breeder of the same variety who seems to have equally as good a foundation. Try them both out. Breed the stock straight and mixed and note results and try to build up a strain of your own. Introduce new blood season after season to a part of your flock. Right here you can help yourself a lot if you will abandon the customary procedure of buying a new male and buy new females instead. Insist on getting females known to be good layers. Mate them to one of the best males out of your own best laying mating. Use the pullets from such matings to work into your breeding pens and market the males. By breeding your males at home and getting new blood through females you can control your breeding better for the simple reason that you use a number of females to one male and in a flock of fifteen hens and one male have to count the male half of the flock. You have fifteen chances on the female side to make good with and one on the male. When you must get a new male, get one out of bred-to-lay stock if you can. Don't forget health and vigor.

#### Is Heavy Laying Inherited from Male?

Q. Is heavy laying inherited from the sire only, or from the dam, or from both sire and dam? Have seen so much discussion of this subject by men I supposed authorities and they differ so much I am all at sea. I can't see how a pullet can get her good laying qualities only from her sire but not at all from her dam, while a cockerel gets his power to transmit heavy laying qualities from his high laying dam and also from his sire? How is it and why is it?

Buffalo, N. Y.

Novice.

A. The claim that the sire has the most influence, or the whole influence,



on egg laying ability of the pullets of his get has not been sufficiently proved. We doubt if any man has yet attained sufficient proficiency in seeing into fowls, as well as in observing fowls, to be able to say positively how much is, or is not, transmitted by either parent when male and female elements combine to make a complete, individual, impregnated, original seed from which the chick is developed. It reads more like exaggerated ego.

Recently, in tracing the genealogy of a New England family back for nine generations, we found that the daughters in each generation down to the eighth generation all had large families like the first mother of record. The daughter in direct line in the ninth generation had a small family, but it is quite evident to me, as a physician, that her small family is not because of lack of ability to have a large one, but because of circumstances and the high cost of living.

As yet, we are only on the outside fringe of the study of heredity and competent students have been at it many years. All of the so called laws and isms relating to heredity are subject to many, a great many exceptions, and are anything but the last word on the subject. Inherited physical peculiarities go back many generations and take in a surprisingly large number of ancestors. When sperm combines with ovum no one knows how much or how little goes into that union or from how far back it may have come. We observe that some certain tendencies seem multiplied in the offspring of a certain mating. Individuals acquire tendencies and transmit them to their progeny, if this were not so there would have been no progress.

Observe the various families you know intimately. See how many and varied the bodily characteristics, mental traits, and other easily noted items are inherited alike, or to a greater or less degree, from both parents. The son may be the replica of his father or his grandsire. It often happens. Or, he may be a male duplicate of his mother or he may combine the characteristics of both parents. The same is true of the daughters. It doesn't matter what some individuals steeped in his books and theories may tell you is the law, look and see for yourself, the evidence is all about you, and bear in mind that some of the greatest scientific authorities have made the biggest mistakes because habit and concentration narrowed their viewpoint.

It is the hen that lays the eggs, laying is her most important function in life. She was put on earth to lay eggs that her kind might multiply and replenish the earth. Isn't it absurd to say that she has no part in transmitting her ability to lay, early and often, to her daughters? Wouldn't such a vital trait be one of the first to be handed down to the progeny? It isn't essential that her daughters shall lay as well as she does, though they sometimes do, but such as may be transmitted of any qualities may be handed down to granddaughters or great-granddaughters of that dam. It is admitted that she gives to her sons, and, if she gives to her sons, she gives to the daughters also. It will take more than a few years of more or less indifferent breeding of not over healthy mongrel-blooded specimens to prove to us that we are wrong.

We believe that H. H. Stoddard is

on the right track in this matter of inheritance of heavy laying. We don't know how much of high fecundity is transmissible, but it is pretty certain that whatever there is that is inheritable in laying qualities the female parent gives as much as the male.

#### Canker.

Q. Are there other forms of canker in poultry besides diphtheritic roup? I notice one supposed authority makes the statement that canker is caused by too much carbonaceous food such as corn. I have found birds at times which had a canker sore in the mouth which seemed to be identical with the growth in diphtheritic roup, but the bird kept right on laying, appeared in perfect health otherwise and the canker neither spread or disappeared.

Michigan.

Breeder.

A. Canker is a name that is more or less generally used to apply to any ulceration of the mucous membrane of mouth or throat in fowls. You may get real diphtheritic roup, cancer, or one of many infectious ulcers, presenting similar appearance but to be differentiated by comparing the constitutional symptoms, or lack of same.

In case of your bird the trouble may be simple or mildly infectious ulceration of the mucous membrane. Such sometimes comes as an after result of fighting or abrasion of the mucous membrane from other cause and subsequent infection. Some such germs are always to be found in mould and filth and easily find their way to an abrasion in mouth of fowl. The source of infection may also be found in musty, mouldy straw litter, or grain or forest leaves, or dried swamp muck.

Unless the corn is spoiled and mouldy or musty it has nothing to do with canker. There are plenty of flocks feeding almost exclusively on good, sound, wholesome corn where there are very few cases of canker or none at all. Predisposition on the part of the individual has a good deal to do with contracting the disease. We would prefer to breed from fowls not subject to ailments of this sort.

If the case you have is one of simple infection it should yield fairly promptly to treatment. Mix one grain of finely powdered permanganate of potassium with five grains of finely powdered gum acacia and then add sufficient sugar of milk, (finely powdered) to make one ounce. Use a straw or blow pipe to apply this powder to the canker once a day, or more often if necessary. When improvement is noticed apply less often. You ought to cure it in a week or ten days unless it is of a more serious nature, than the symptoms indicate.

#### Culling.

Q. When and how often should I cull my chickens to select best for breeding and laying? How many chickens will I have to raise to get one thousand first class pullets for laying and breeding stock? Is there any use in trying to grow the runts and stunted chicks?

Mass.

J. D.

A. Culling should be a continuous process. Cull now, and all the time. Begin when the chicks are taken from the nest or incubator and get rid of the weaklings. It will pay better to devote your time to doing your best with the most promising chicks. As the chicks grow, mark for identifica-

tion those which grow best and continuously from the start. You will get some of your best breeders from among this lot. Note which chicks do not grow uniformly but seem to develop by fits and starts—most of these it will be best to market.

Some chicks are runty and stunted at first but after a while, when more than half grown, begin to develop rapidly and look as good, or almost as good, as those which made steady growth. Identify these by bands or

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Separates the drones from the layers. Made in a few minutes from a common box or egg case, by attaching the simple device I send you. A cheap, practical trap nest that cannot get out of order. Send 25c for complete printed and illustrated instructions and device for making your own trap nests. Nothing else to buy. Geo. A. Blood, Bellwood, Ill.



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Send for these bands. They're what you need. Double big number. Long wanted, it's here now. Something you can SEE. No matter how the bird is standing, one of the two numbers shows. Neat, workmanlike. Big, bold figures. Number slip heavily glazed, one piece only, in aluminum carrier, half inch wide. Easily applied, tongue and slot large and strong, double lock, cannot be pulled off. Made for wear. Best band out. Sizes for Bantams, Leghorns, Reds. Black numbers from 1 to 100 indelibly printed on white, light blue, pink, red, green, cherry and yellow celluloid. Withstands weather and water. State size, color and numbers wanted. Send cash with order. SPECIAL TRIAL OFFER AT OUR RISK. Send sixty cents in U. S. stamps or money order for twenty bands. Keep them for a full month and if at the end of that period you are not fully satisfied that they are what you want, return them to us and we will refund your money, no matter whether you have used them on your poultry or not. We leave it to YOU to decide. Mention A. P. J.

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toe-marks when they are in runty stage. They may make good or fair laying stock but, as a rule, it is safer not to use them for breeding.

Good care, a good feeding, grooming and constant attention will do a lot for even a very unpromising chick, one that looks like a hopeless runt when half grown. Some marketmen, by segregating such chicks and giving them special attention, have been able to "put them on the cart" in the pink of market condition, but they assure us that it don't pay for the extra fussing. Some fanciers will take a sickly runty specimen and by constant attention build it up into a ribbon winner. We don't believe that it pays and we believe that breeding from such "rescued runts" is certain to have bad results and will show up in loss of constitutional vigor in the generations which follow.

When you put the young and old stock into winter quarters cull again and cull hard. Mighty few of us cull close enough or sufficiently often. Few can cull as close as they should and keep up the number of the flock to the number they wish to keep. We once culled a flock of 5,000 head of young stock to get 1,500 pullets of the sort we wanted to winter. Out of the 1,500 there were many that were not as good, even for laying stock, as we would like to have them. 500 more were culled and marketed out of this flock before the breeding season began.

Culling should go on all of the time. Cull for the purpose of retaining the chickens which make the best development. Cull to get uniformity in the flock. Cull to secure the maximum of constitutional vigor. Cull to secure the best in type and beauty. Cull to keep only the best producers. Discard all of the unfit. Discard those with any tendency to disease. Culling in this way will be a continuous process. If you cull close and cull often you will find less culls to discard as the season advances and less need of culling. Make constitutional vigor, (or health, vigor and vitality) the chief requisite for a place in the breeding pens and you will find that productivity follows close upon constitutional vigor.

#### Miscellaneous Questions.

Q. (1) What is the cause of wry

neck in young chickens and remedy for same?

A. (1) Hereditary tendency to nervous diseases. Any form of intestinal irritation. May be indigestion, spoiled foods, poisoning from any source, and worms. Spoiled or green heart corn is a common cause. Soured grain food sometimes is a cause. Indigestion and "puffed crop" from overfeeding on wheat, especially poor quality wheat may be a cause. Prevention is the only real remedy. Breed only from healthy, vigorous stock, hatch and rear the chickens properly, observe sanitary precautions and feed wholesome food. Treatment—find the cause and remove it. You can't do much for the sick chick, in most cases it is too far gone when you notice the trouble.

Q. (2) Cause of points on young cockerel's comb turning black and remedy?

A. (2) Out of condition from any cause. Diseases of digestive organs. Heart disease. If the latter cause you can't help it. Get the bird out on a grass range. Feed hard grains only and let him hustle for the rest of his living on the range. Provide open front roosting quarters.

Q. (3) What is a good tonic for laying hens that are housed up?

A. (3) Feed an abundance of green food in addition to regular ration. Use a small quantity of prepared poultry mustard in the mash four or five days a week, every other week. If you feed properly, allow a sufficient quantity and variety of wholesome food and an abundance of fresh raw greens, you will seldom need tonics or condiments. Always season mashes lightly with salt.

Q. (4) Why do commercial egg plants keep Single Comb Leghorns instead of Rose Comb variety? Do they lay better?

A. (4) We don't know. Presume it is largely personal preference of the proprietor and belief on his part that his choice are the best producers. All commercial egg farms do not keep Leghorns, some carry other popular varieties. The S. C. Leghorn has been pretty well advertised as an egg machine and is in demand. It is policy to stock a farm with the sort of fowl

that sells easily, and—advertising pays.

Q. (5) If Minorcas are such good layers, would it not be more profitable to keep White Minorcas than Leghorns?

A. (5) Minorcas are good layers. It is, however, difficult to get stock in sufficient quantity that averages as hardy as the Leghorns. Properly bred they should be just as hardy. We have seen Black Minorcas open-air bred and reared without other shelter than evergreen trees that were as hardy and prolific as any fowl we ever saw. It should not be difficult to grow Whites with equal constitutional vigor. They appear to need the right kind of a "booster."

Q. (6) I have twelve two-year-old White Wyandottes that are heavy layers. In September, during their moult, they are laying eight to ten eggs a day. Would you keep them the third year for breeding?

Cresskill, N. J.

W. E. B.

A. (6) It would pay you to breed the most vigorous of these hens next spring. Breed only those which winter best. Begin to hatch their eggs early and keep at it until late. They should give you some good chicks, if well mated, and it will be well to toe-mark the chicks when hatched.

### Easy Way to Get Lots of Eggs

OCULUM produces more eggs than anything known. Two cents worth lasts a chicken a year. It cures the worst poultry diseases almost instantly. It is selling in every continent and state.

Sold by dealers or direct. Price per bottle 50c and \$1.00. Money back if unsatisfactory. Postal brings particulars. AGENTS WANTED.

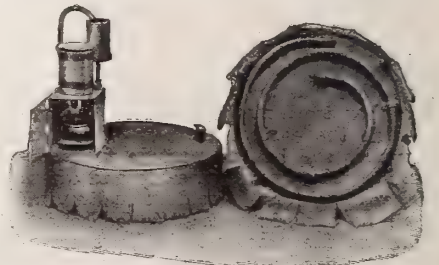
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A Little Putnam Stove: 9 inches diameter; 4 inches high; fire proof; keeps poultry fountains from freezing in coldest weather; holds 3 pints oil; burns a month without refilling or trimming; prevents frosted combs; extra eggs pay for stove every week. Used in empty box makes perfect oat sprouter. Price \$1.00 postpaid. Satisfaction or money back. Canvassers wanted every where, and an agent at all poultry shows. Circulars with testimonials free. I. Putnam, Route 105, Elmira, N. Y.



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Also a Special Diploma on the Brooder. Note the lamp on top of hover, copper coil heater, steel coil radiator. No fumes, no danger, a Godsend to the poultryman. Send for circular.

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## The Woodview Poultry Yards

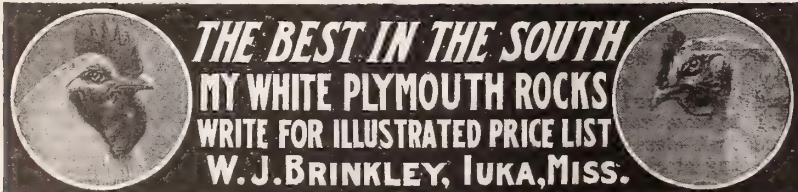
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Our winnings the past ten years stand alone and unapproached.  
We can win for you. Woodview Strain is bred that way.

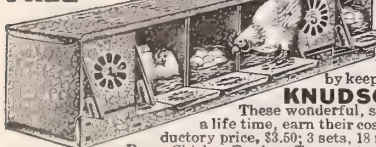
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## A Review of the Origin and History of Our Domestic Poultry

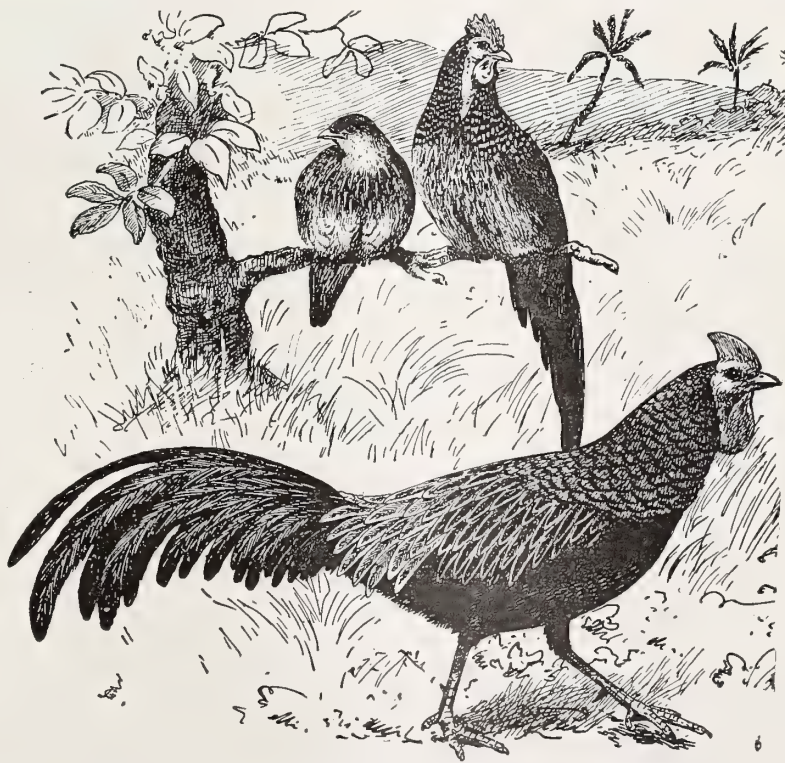
**H**ISTORICAL data regarding the origin and history of our domestic poultry is not available to any great extent, but there are many reasons and conditions, however, that point to the wild fowls of India as the probable parents of our domestic poultry. That the fowl was domesticated and extensively spread over the world at a very remote period is most evident; for when the Romans first invaded the shores of Britain, they found both the fowl and the goose in a state of domestication, but not for the purpose of food, for Caesar says: "they deem it unlawful to eat the fowl, the goose or the hare; nevertheless they breed these animals for the sake of fancy and pleasure."

Sacred history, in the enumeration of the provisions for the supply of Solomon's household, mentions the "fatted fowl." After the Babylonian captivity we cannot doubt that the fowl was among the domestic animals of Palestine, for Nehemiah (B. C. 445), in his rebuke to the Jews, says, *e. v. ver. 18*: "now there were at my table prepared for me daily one ox and six choice sheep, also fowls." Antecedently to this period the fowl was abundant in Persia, thus *Pessthetairus* (Aristophanes): "no lack is there of proof to show the truth of our opinions: that birds, not gods, o'er men and kingdoms reigned, and kings and sovereigns were of yore. At first I instance in the cock how he the scepter bore; how long their monarch the Persians him obeyed, or ere Darius or Megabyzer swayed. And so he's named the Persian bird—and still he struts; no other bird is there that wears the turban cock'd but he." Not only do the classic poets and historians speak of the antiquity of the fowl, but medals and coins proclaim the same, and bear its figure stamped upon them; nor is its delineation absent from their relics of the remote periods. Among the Greeks and Romans, the fowl figured in the

public shows. The cock was dedicated to Apollo, to Mercury, to Esculapius and to Mars, and its courage and watchfulness was well appreciated. The Rhodian fowls and those of Delos, Chalcis and Melic were celebrated for their superiority in fighting and for the excellence and delicacy of their flesh. At every Roman banquet these birds formed a highly esteemed dish, and then as now they were fed and fattened up to a great proportion. The custom was to cram the fowls with meal, and keep them in the dark, that they more readily fatten. Cock fighting was a diversion in accordance with the taste of the Romans, and they were as much devoted to it as the Malays of the present day, who

will stake their all upon the issue of the battle.

Considerable attention has been given to the study of the origin of our domestic fowls, especially during the middle part of the last century a number of naturalists have made great efforts in this direction, especially in England. Mr. Charles Darwin, whose attention has been devoted for many years to the study of the subject of variation of our different animals, and Mr. T. C. Jerdon, author of that admirable work, "The Birds of India," and Mr. E. Blyth, whose present investigation into the standard of



ABOVE, GALLUS SONNERATI. BELOW, GALLUS FURCATUS.

these birds has been unusually great. They came to a similar conclusion respecting the origin of our respective breeds—a conclusion that must be acquiesced in by all who have studied their premises. Working independently from each other, these three most eminent naturalists locate the same facts from different points of view; they came to a similar conclusion and, according to their views, there is but one species from whence all of our domestic varieties have descended and that special species is the common Red Jungle fowl, the *Gallus ferrugineus* of India.

The facts on which other inferences are based are too numerous to be detailed in the small space available in this section of our magazine, but many of our readers have in



## AMERICAN POULTRY JOURNAL

their library the book of Charles Darwin: "Variations of Animals and Plants Under Domestication," or perhaps can obtain it at the library. This book gives perhaps greater detail regarding this matter than any other book in existence. While the opinion of these three naturalists that all our domestic fowls are derived from one stock, the jungle fowl, found almost general acceptance, but more recently doubts have been thrown upon that view. The question is, therefore, still in a state of uncertainty, and in the absence of clearer information than has yet been obtained, it is likely to remain so. There is one thing certain, however, that the majority of our breeds of fowl are derived from the wild-fowl named above, and also that the fowl originated in eastern and southern Asia.

Naturalists recognize four members of the genus *Gallus*. These are as follows: (1) The *G. Sonneratii*, which is found in the more southern districts of India. At one time it was thought to be the parent of our domestic breeds, but stu-

Indo-Chinese countries, the Philippine Islands, and the Malayan Archipelago as far eastward as Timor. This species varies considerably in the wild state. Mr. Blyth informs me that the specimens, both male and female, brought from near the Himalayas are rather paler colored than those brought from other parts of India, whilst those from the Malay Peninsula and Java are brighter colored than the Indian birds. The wild *G. Bankiva* agrees most closely with the black-breasted red game breed in coloring and in all other respects, except in being smaller and in the tail being carried more horizontally; but the manner in which the tail is carried is highly variable in many of our breeds. It is a significant fact that the voice of both male and female *G. Bankiva* closely resembles, as Mr. Blyth and others have noted, the voice of both sexes of the common domestic fowl, but the last note of the crow of the wild bird is rather less prolonged. Captain Hutton, well known for his researches into the natural history of India, informs



CEYLON JUNGLE FOWL (*GALLUS LAFAYETTI* OR *GALLUS STANLEYII*)

Illustration made from stuffed specimens in the Field Columbian museum, Chicago, Ill. Female resembles the color of *Gallus Bankiva*, the male, however, differs not only in the coloring but also in the peculiar group of feathers immediately following the saddle hackles, which, instead of being long and flowing, are shaped like a shovel. The plumage covering the breast, neck and wing is very beautiful, each feather being a brilliant orange red striped with black in the center. The feathers are long and narrow in all sections of the body and in this respect they differ from the *Bankiva*.

dents have noted in it marked differences. The domestic fowl does not exhibit, so far as has yet been seen, any of its peculiarities, and there is now no one who accords it that position. (2) The *G. Stanleyii*, which is only found in the island of Ceylon. With the exception of the color of the comb, this genus resembles the domestic fowl so closely that some naturalists were at one time inclined to regard it as the parent species. It has, however, a singularly different voice, which is unknown to domestic fowls. (3) The *G. fureatus*. This variety inhabits Java and the islands eastward as far as Flores, but it is so different in many characteristics from the tamed fowl that no one regards it as the parent of any races. It has green plumage, an unserrated comb, and a single median wattle. (4) The *G. ferrugineus* or *Bankiva*. Of this variety Chas. Darwin says: "It has a much wider geographical range than the three previous species. It inhabits northern India as far west as Scinde, and ascends the Himalayas to a height of 4,000 feet; it inhabits Burmah, the Malay Peninsula, the

me that he has seen several crossed fowls from the wild species and the Chinese Bantam; these crossed fowls breed freely with bantams, but unfortunately were not crossed inter se. Captain Hutton reared chickens from the eggs of the *G. Bankiva*; and these, at first very wild, afterwards became so tame that they would crowd around his feet. He did not succeed in rearing them to maturity, but, as he remarks, "no wild gallinaceous bird thrives well at first on hard grain." Mr. Blyth also found much difficulty in keeping *G. Bankiva* in confinement. In the Philippine Islands, however, the natives succeed much better, as they keep wild cocks to fight with their domestic game birds. Sir Walter Elliot informs me that the hen of a native domestic breed of Pegu is undistinguishable from the hen of the wild *G. Bankiva*, and the natives constantly catch wild cocks by taking tame cocks to fight with them in the woods. Mr. Crawford remarks that from etymology it might be argued that the fowl was first domesticated by the Malay and the Javanese. It is also a curious fact that wild specimens of





BANKIVA JUNGLE FOWL

Painted by Louis A. Stahmer from description and specimen of stuffed *Gallus Stanley* in Field Columbian Museum, Chicago



the *G. Bankiva* brought from the countries east of the Bay of Bengal are far more easily tamed than those of India. Nor is this an unparalleled fact; for, as Humboldt long ago remarked, the same species sometimes evinces a more tameable disposition in one country than in another. If we suppose that the *G. Bankiva* was first tamed in Malaya and afterwards imported into India, we can understand the observation made to me by Mr. Blyth, that the domestic

fowls of India do not resemble the wild *G. Bankiva* of India more closely than do those of Europe."

We have given at length these particulars respecting *G. Bankiva*, for whether the opinion that all our domestic breeds do not owe their origin to this genus ever becomes an established theory or not, it is certain that the great majority of our varieties are its descendants, and, therefore, it claims from us the greatest share of attention.

## Color and Shape of the *Gallus Bankiva* Jungle Fowl

The cock measures, from the tip of the bill to the tip of the tail, about 26 inches; 2 feet 3 inches across the stretched wings; the length of the closed wing is from 8 to 9 inches; the tail measures 15 inches; the leg or tibia is 4 inches long; the tarsus or shank, 3 inches; the middle toe,  $1\frac{1}{4}$  inches; the spur, 1 to  $1\frac{1}{2}$  inches; and the weight of the bird is about  $2\frac{1}{4}$  pounds.

The hen is only 1 foot 5 inches long, the length of the tail 7 inches, and the wings spread 2 feet.

These dimensions, which are taken from average-sized specimens, show how domestication and feeding have increased the size of our common breeds, some of which almost rival the turkey in size.

The following are the points indicating the pure wild breed:

The form is bulky, broad across the back and shoulders, the bird standing high and very erect, with protruding breast and a nearly horizontal tail, the tips of the center feathers of which barely clear the ground. The plumage is thick, and the feathers of the neck and upper tail-coverts are linear, pointed and drooping. Head and face bare, with a circular patch of feathers over the ear-hole. The comb is high and serrated, rising from nostrils and overhanging the occiput. There are two wattles under the base of the bill, and a smaller pendulous flap under each ear; in the female both comb and wattles are rudimentary. The bill does not alter in domestication. Legs stout, rather lengthened, with a single row of scales in front, and a double row behind, the sides of leg being reticulated. Toes rather short, and webbed to nearly their first joints; a large spur on the inner side of the shank, about three-quarters of an inch above the thumb, attaining a length of one inch and a half in old birds. The wings are short and bowed; the quill feathers suddenly narrowed from near their bases; the fifth and sixth primaries are the longest; the secondaries very little shorter. The tail is composed of fourteen feathers, shaped as in the barn-door cock, but not held so vertically.

In the cock, the iris is orange; the bill, horn color; legs, blackish-lead color, with a slight green tinge; the face, comb, wattles and throat, fleshy carmine; neck and head feathers, bright orange, pale and golden where flowing over the back; the feathers at the bottom of the neck, black at the bases; back, rich deep vinous rust color; lower back and upper tail-coverts, fiery orange, the latter golden-tipped; tail and its longest upper-coverts, or sickle feathers, black, glossed with green; wing-coverts like those of the back, but the two last rows black, glossed with green; the secondaries, chestnut on the outerweb, and dusky within, the primaries dusky; all the lower parts black; the ear coverts are white in the Bengal birds and orange rusty in the Burmese and Malayan varieties.

The hen has the skin of the face a paler red than in the male; legs, livid horn color; crown, ear-coverts and throat, vinous rusty; rest of neck, golden tawny; each hackle is centered with brownish-black, and the larger ones are shafted with tawny color within the black. All the upper parts are full burnt-umber brown, the feathers vermiculated and centered sepia, with pale tawny shafts, the side tail feathers are plain sepia, as are the inner webs of all the remiges; all under parts vinous reddish-brown, the shafts pale; primaries and their coverts, plain sepia, with the outer margins ashy.

The breast and under parts of the young cock-birds are much broken up with rusty-colored feathers, and in the first moult both sexes are similarly colored mottled brown, with dusky wings and tail; when first hatched, the chicks are covered with cream-colored down, and have sepia-colored bands along center of head and through the eyes.

The following literature was used in compiling the above article:

W. B. Tegetmeyer, "The Poultry Book;" Martin Doyle, "Illustrated Book on Poultry;" C. Darwin, "Variations of Animals and Plants Under Domestication;" E. Brown, "Races of Domestic Poultry."



When we look at the illustration of the Polish it seems almost unbelievable that the original ancestors of these fowls could have been *Gallus Bankiva*. It is only a few centuries ago when but eight or ten varieties were recognized, while at the present time we can count them by scores. All these improvements in type and color have been brought about by proper selection. The poultry breeder who is a close observer can produce almost any shape or color fowl he desires by observing occurring variations in specimens. Almost any length of plumage or texture of same peculiar formation of combs and heads can be produced in this manner, taking, of course, the color limitations of the original breed into consideration. From the small size of the Bantam, and the silky plumage of the silkies, the stateliness of the Langshans to the massiveness of the Cornish fowls all are living proof as being the production of careful selection.





## CONCERNING RECENT BUSINESS DEPRESSION.

**Is the Day-Old Chick Branch of the Poultry Industry to be Made the Goat for all Business Troubles?—**  
By J. W. Parks, Altoona, Pa.

ONE would think that someone wanted to make a goat out of the day-old chick business after reading the report of the American Poultry Association's closing session and the comment of a number of editors. It is only natural for breeders to look for a place to lay the blame for business depression, and that some would lay it onto the day-old chick branch.

First, I want to pay my respects to those who have been blaming loss of business entirely to the weather and flood conditions the past few years; perhaps such causes did have some influence but to my notion not to the extent many would have us believe.

It is not giving our billion dollar industry the credit that is due it for breeders to talk about over-stocking the country with these large hatcheries. There are today only eleven states in the Union that produce enough poultry and eggs to supply their home demand, while I note that one of our western cities advertises that it can handle the eggs of 62,000 more hens, with eggs and poultry bringing the highest prices on record. Eggs at present selling for prices far in advance of any former years.

It is true that the industry did have a slump and it is now beginning to recover. Let us see if we cannot give the adversaries of custom hatching a few more facts to consider, before they form any more conclusions.

Has not the poultry industry been boomed harder and longer at one stretch than ever before, and to such an extent that no other line of live stock would have been able to have endured?

You know, too, that in any other line of live stock keeping the breeders are glad to be able to impart through their publications any new and practical ways of helping their breed and the industry. While with the poultryman in the last few years he has received very little information that did not come in book form, called systems, at high prices. The publishers of one of the earliest systems are even now issuing an entirely new system book, and claiming that the one they sold a few years ago is a back number, stating that things move swiftly in the poultry world. They surely have been moving fast in the system line. I wonder if they, too, have not helped to create the depression in question.

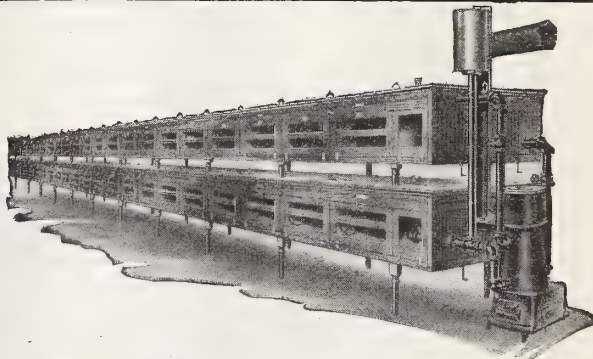
Don't you know of a number of good friends of yours who have been swept right along with the different breed booms and who today in perhaps their fourth or fifth year have had nearly that many different breeds or varieties, and are still up in the air?

This all takes money, and is not consistent with a healthy development of the chicken fever. Still you can hardly blame the novice for not settling down to one breed, for with a great number of breeds it is a question of whether it would be using sound judgment, for the way the popularity of a breed drops on short notice you would run the risk of having what you might like, but not what the other fellow

wants—and it's what the other fellow wants that counts nowadays.

Isn't it a question as to whether it is a benefit or a detriment for a breed to have a boomer back of it with lots of money who has not started in and grown up with the industry? Don't you think the buying public, as a whole, are coming back to the old reliable breeders that have made the industry what it is today, and whose claims are backed by years of success? As a recent New Zealand customer put it, when sending in his order, "It's a relief to be able to buy of a breeder instead of a boomer."

'Tis said that one-half the people in this world know little or nothing of how the other half live and it surely holds good in the poultry industry. Like most other poultrymen that are making a success of the business, I am not able to spare much time away from home and especially in the spring, but seem fortunate, however, in being able to catch a jaunt or two each season. I like to make trips during the busy season to learn how the other fellow is handling his plant. This spring's trip revealed an amazingly large number of wasted opportunities, and while we all have room for im-



## A Turn of a Handle Turns All the Eggs

You need no longer endure the monotony and drudgery of turning your eggs by hand. The Newtown One-minute Trays Turner will turn all of them for you by the turn of a handle at the end of the machine. It will earn the cost of your Newtown Incubator by its great saving of your time and labor.

It will increase your profits by giving bigger hatches and better chicks. With the Newtown Automatic Trays Turner, you can turn all your eggs as often as the hen without the excessive loss of heat which frequent turning by hand would cause.

Those eggs not to be turned are held stationary by simple adjustment at each compartment. You, who conduct a custom hatchery or a baby chick business, will be able to take care of more business and give customers better results with this tried and proven Incubator, whose every operation is automatic.

## Newtown GIANT Incubator

1914 Model

No other incubator has these automatic, labor-saving, result-improving features:

**The Automatic One-minute Egg Trays Turner.**

**The Automatic Regulator of Heat, Ventilation and Moisture at each compartment.**

**The Automatic Coal Feeder at heater. The Automatic Temperature Indicator.**

**The Automatic Alarm. Five Automatic Safeguards.**

With the Newtown Double Deck construction you can install double the usual capacity in the space required by an ordinary machine. This saves half in cellar construction.

Modernize your large incubator with Newtown features, no matter what its style.

Double your capacity without spending money on another cellar; have a Newtown Giant placed above your present machine, whether you remodel it or not.

Turn all your eggs in 60 seconds; coal your fire but once in 24 to 48 hours; have your temperature and moisture accurately and automatically regulated in each compartment without attention; let the five Newtown Safeguards make hatching a pleasure for you instead of a worry and a "grind." **Send now for Incubator Catalog and Giant Circular 1, which tell why so many Newtown Incubators have already been ordered for next season.**

New Address:

**NEWTOWN GIANT INCUBATOR CORPORATION**  
**Harrisonburg, Virginia**

*Manufacturers of Giant Incubators, Brooding Systems and Colony Brooders.*



provement, yet we can generally see other people's shortcomings before our own. Regarding one of them, I had a solicitor of one of the poultry papers visiting me a few days after my return, and upon inquiry as to where he was going next, was informed that he was going to one of these plants I have in mind, with the intention of boosting them a little as their cash balance was getting on the wrong side of the ledger. I told him that what they needed most was general house cleaning and that it was an imposition on the industry to think of trying to make that business pay under the existing conditions. In fact, it would not be considered in any other line of stock keeping.

The plant in reality did not have, all told, more than 1,000 birds, young and old, and was said to be done hatching for the season. They had employed and were trying to make the plant support four men in addition to the proprietor and his stenographer. A superintendent was employed who did not do much more in the way of work than give orders and look wise. While, during my visit, another man put in one hour packing two sittings of eggs, that were then not properly packed for a long journey, and that could have been properly packed in ten minutes. Two other men were given the general work to do. The existing condition of the pens gave one the impression that each fellow depended upon the other, and that only about half the work was getting done. The proprietor kept guard of the cash box and introduced the visitors to the superintendent. Would you wonder that in spite of their doing a nice business and getting more than three times the price I get for eggs, that they were going in the hole? Perhaps in a few years more this plant will be left standing idle, another monument to the cause, and the novices that took to their breed and strain can look up another or quit. While dozens of others that have been interested and would have made desirable breeders will drop out entirely because Mr. So and So, with all his money, could not make it go.

There are just as good if not better opportunities to make money in the poultry business today as there ever were, but the man to get the money out is the fancier with the true love for poultry to the extent that he can go out and do the most distasteful job and be glad to do it.

The man who will start in slow and steady will win, but not with big bubbles that burst. When your plant gets to the stage that you need a superintendent, you will find it advisable to inform him from the start that you are still manager and see that the methods which built your success are carried on. Remember this—never get above cleaning dropping boards yourself if necessary.

Although not classed with some of the largest shippers of day-old chicks,

I ship each season, several thousand. The day-old chick industry has not affected the sale of breeding stock at all but it has affected the sale of eggs for hatching a little. To hold your trade, it is necessary to be able to supply customers with chicks, something possible for all breeders to do. The buying public will have what they want, and if you don't supply them, some one else will.

It has been claimed that the day-old chick branch of the business should be discontinued on account of the cruelty, and the danger of spreading disease. I believe they place the most stress on the cruelty part of it, and there may be some few cases of cruelty. I have made some of the longest shipments to date, and had very favorable reports on same. I will be frank to say that where there are any complaints they generally come from long



MRS. T. F. WALDRON, OGDENSBURG, N. Y.

distance shipments. I have for years stated in my chick circular that I did not advise or guarantee safe delivery of chicks where it required more than thirty-six hours under ordinary conditions to make the trip. When the industry was in its infancy there were more or less complaints due to both the ignorance of the shipper in failing to provide proper carriers for the transportation of chicks together with the express companies' inexperience in handling same. I have learned to know that it is not practical to risk long trips with chicks in the early spring when the weather is liable to sudden changes, and especially where the chicks have to be transferred a couple of times before reaching destination. I have learned also that it requires a little larger box and a little more ventilation for May shipments than March shipments. If possible, it is best to start the chicks off late in the day or evening, as it is natural for

them to be better contented at this time. I give the express company short, sweet orders, in big letters right on the top of the box: "KEEP WARM AND RUSH DELIVERY," and chicks from good, healthy stock, properly packed and handled, invariably arrive in good shape.

The attack on the chick industry sure bears the toe marks of being a retaliation for the falling off of business the past few years. While it may have affected the egg sales to a certain limited extent, it has also opened up an entirely new field, getting a class of customers that did not even own a chicken, much less an incubator or building. I have in mind a Mrs. Foutz, of our town, who early in the spring of 1912 bought 200 day-old chicks from me, and practically kept them in her sitting room until they were a couple of weeks old, in the meantime having a place built for them. She was very successful in raising them, and before spring came again had sold enough eggs to pay for the entire outlay for chicks, feed and house, and this year bought several hundred more. However, I will say that where you have the facilities and time, and especially where there is any great distance between buyer and seller, I would advise securing eggs for hatching. I would want them properly packed, that is, to insure safe delivery and prevent loss from breakage, insuring a good hatchable condition. It was the carelessness along this line that made many that have taken to the buying of chicks feel relieved from depending upon eggs. There has been just as much improvement in the method of packing and shipping eggs for hatching in the last few years as in any other branch of the industry, but there are still a surprisingly large number, including some of our largest breeders, sticking to the old methods. Shipping eggs in such a way that they do not arrive in hatchable condition is not cruelty; it is worse, for it brings disappointment and discouragement, after three weeks of patience and anxiety. This is hard for the buyer to forget. I believe, however, that while we may need, and eventually will get, rules laid down regarding the shipment of chicks that will eliminate the objectionable features of the business, that it will be well to look after the other branches also. You can go to the markets in any of the big cities and see the chickens crowded into coops until some are trampled to death. Not long since a crate of market chickens that had only been on the road an hour came into our express office with four trampled to death. Another case that struck me hardest, happened just a short time ago, when a coop of six valuable Buff Orpington hens from a well known eastern breeder billed to an Ohio customer, had three dead by the time they reached this part of their journey. They were simply smothered from having been packed in a box eighteen inches high and a trifle less than two feet square, with solid sides. Had the box been slatted on the sides it might have accommodated that number of Leghorns. So far as cruelty is concerned, some of the other branches of the industry are still pretty well afflicted. In closing, I want to say that I consider the chick industry a good, strong, healthy baby, and do not hesitate to predict for it a long and useful life.

You can get a big poultry book free—see back inside cover

**Silver**  
**Campines**  
**Golden**

My stock cannot be equaled for egg production. Have a few Tom Barron and D. W. Young strain cks. for sale, very reasonable. We ship upon approval. Satisfaction guaranteed. Catalogue free.

S. D. Hall Box 78 Seville, Ohio

**S. C.**  
**Leghorns**  
**White**



## CHICKEN POX CONTROLLED BY VACCINATION.

**T**HAT CHICKEN POX or sore head, which is the source of enormous loss to the poultrymen of this country, may be controlled and very largely prevented by vaccination has been lately demonstrated by Drs. F. B. Hadley and B. A. Beach, of the College of Agriculture of the University of Wisconsin. They are responsible for the introduction into the United States of the Manteufel system of vaccination, which promises to be of economic importance to the poultry industry of America.

At the fiftieth annual meeting of the American Veterinary Medical Association, held in New York City in September, they reported their findings, which proved of unusual interest to the veterinarians attending that conference.

This disease, which has been known in this country since poultry raising be-

year. Early in October, 1912, several small poultry raisers in and about Madison sent hens, which were sick and others which had died from unidentified diseases, to the agricultural college for detailed examination. A diagnosis of chicken pox was made in several cases, from sections quite widely separated, before the outbreak occurred in the university flocks. Chicken pox was recognized by Professor J. G. Halpin, of the poultry husbandry department, among fowls on exhibition at several mid-winter poultry shows.

When, during the winter of 1912-1913, chicken pox appeared in the flock maintained at the Wisconsin Experiment Station, steps were immediately taken to control it. The infected birds were given the ordinary treatment and quarantines were established, but the ordinary methods of treatment and disinfection were found ineffectual in controlling the outbreak. Accordingly an attempt was made to make all the



A well-developed case of chicken pox. Note the nodules on the comb, wattles, ear lobe, eyelids and face. (Univ. of Wis.)

came extensive enough to be termed an industry, is often rapidly fatal and invariably greatly reduces the egg production of a flock. Its prevention or control is therefore a matter of prime importance to fanciers and farmers.

In the northern states, where the trouble usually occurs in the late fall and winter months, the prospect for recovery is good unless complications develop. The mortality is not great and depends to a large extent upon the condition of the birds when attacked, and the care and treatment subsequently given. Where a progressive form of the disease involving the mucous membranes occurs fatalities are more numerous. Blindness results when the mucous membrane of the eye is extensively involved. This makes it impossible for the birds to see food, and death soon follows. It has been found that, with good care and treatment, 90 per cent of the afflicted birds should recover, but if left to themselves 50 per cent may die.

This disease has been particularly prevalent in Wisconsin during the past

healthy fowls immune by a vaccination process. The treatment proved effective and seems to have solved the problem of prevention and control.

The vaccine treatment, which was first tried by a European, named Manteufel, consists in injecting under the skin a quantity of a specially prepared vaccine. It was used successfully last winter on several hundred fowls in the university flock and less than 1 per cent of the vaccinated and exposed fowls later developed the disease.

After closely watching the action of the vaccines in producing immunity to the disease the Wisconsin experimenters concluded:

That the vaccination treatment for chicken pox was most valuable when used as a preventive, where it was effective in fully 98 per cent of the cases.

That the immunity which resulted from the vaccination is estimated to be effective for 1½ to 2 years.

And that while the identity of chicken pox and roup has not been definitely proved, the similarity of

# Winter Eggs

WINTER EGGS and cleanliness are very closely related, in fact more so than most Producers imagine.

A great many Poultry and Egg Producers spend hundreds of dollars on so-called egg-producing foods; and, at the same time, shamefully neglect the interiors of their Poultry Buildings. This is neglect on the part of some and thoughtlessness on the part of others.

**IN ORDER TO GET** the most work out of Employees, Employers find it necessary to make the working conditions as attractive as possible. Buildings must be kept clean and sanitary. Walls and ceilings must be white coated so as to improve the light, and artificial lights must be placed in advantageous positions so as to throw the most light on the work-bench.

**MANY CONCERNS** have spent thousands of dollars to improve the light and sanitary conditions of their work shops.

**ECONOMY EXPERTS** consider this money wisely spent and true economy. When the interiors are lighted, it makes a longer day for the Employees' usefulness, it makes a more cheerful day and it makes conditions more advantageous to the productive abilities of the Workman.

**IN ORDER TO GET THE MOST OUT OF A MAN, IT IS NECESSARY TO MAKE HIS SURROUNDINGS AS PLEASANT AS POSSIBLE.**

**THIS SAME THING APPLIES TO POULTRY** and is more especially true in the Winter Months when the days are short and the nights are long. The interiors of Poultry Buildings should be sanitary. They should be white. They should smell sweet. They should be free from vermin.

**WHITEWASH WILL NOT DO THE WORK**, neither will Oil Paint. White-wash peels and will not kill vermin, while Oil Paint has no good essential except durability.

**PEERLESS POULTRY PROTECTOR**, the snow-white disinfectant coating, does kill vermin. It does produce a sanitary interior and a weather-proof coated exterior. It is a permanent coating and the cost is so small that the smallest Producer can well afford to use it.

**THIS SNOW-WHITE DISINFECTANT** is put up in dry powder form; and, when mixed with water, makes a liquid coating which can be applied to all kinds of surfaces with brush or spraying machine. It is especially manufactured for use in Poultry Buildings.

**IT TAKES ABOUT 5 POUNDS OF THIS MATERIAL** to make a gallon of liquid and, a pound properly mixed, will cover from 20 square feet on real rough surfaces to 35 square feet on smooth surfaces two coats.

**THE SMALLEST PACKAGE** is the 25-pound box which sells for \$3.00 but it is also put up in 100-pound Kegs, 200 and 350-pound Barrels. The price in the larger sized packages figure much lower in proportion.

**FIGURE THE COST FOR YOURSELF** and then you will recall that there is nothing on the market today for double the cost that will do the work which can be accomplished by using the snow-white disinfectant coating.

**REMEMBER THAT YOU GET A SNOW-WHITE INTERIOR** for only a fraction of a cent per square foot and you can use the same material for outside work provided you use two coats. It makes a weatherproof job which will last two years on the average surface.

**WE GUARANTEE SATISFACTION IF PEERLESS POULTRY PROTECTOR IS USED ACCORDING TO OUR PRINTED DIRECTIONS.**

**THIS IS OUR BUSY SEASON; AND, IN ORDER TO INSURE PROMPT SHIPMENT, YOU SHOULD SEND MONEY ORDER AND SHIPPING INSTRUCTIONS AT ONCE.**

**Peerless Poultry Promoter**  
Port Richmond, New York



these diseases is so great that it seems possible to control roup by vaccination.

The virus used in this vaccination process may be prepared by any well qualified veterinarian or expert poultryman. As its cost is not high, the remedy is considered particularly practical and effective.

(Note.—The above comes to us as a bulletin for publication from the College of Agriculture of the University of Wisconsin. While we are still "from Missouri" in this matter of vaccination for chicken pox, we are willing and even eager to "be shown," and we will welcome from Drs. Hadley and Beach further and detailed information concerning the virus, the disease as observed by them and their treatment, with results obtained. At the present time the rather meager information furnished seems to have, to say the least, a rather broad scope for virus and a somewhat limited period and field of observation. We hope we may receive more complete information soon. It is an important matter.—Editor.)

### SUCCESS WITH POULTRY ON LAND VALUED AT \$1,000 PER ACRE.

By John Y. Beaty.

HERE is the story of a California man (or rather a man and his wife) who has made good with fowls. It is given in his own words, because it could scarcely be written more interestingly.

"Starting with only enough to build a brooder house, my wife and I have built up a flock of 3,000 laying hens that bring us an income better than is received in most salaried positions. From our experience, I do not hesitate to say that a man with an extra \$500

cannot invest it to better advantage than in a flock of chickens.

"Ours are the White Leghorns—we raise them for the eggs. Most everyone here has the same breed, so it is easy to add to the flock by purchase if we don't care to raise the chicks ourselves. Baby chicks can be purchased at a day old for 10 cents apiece, and many who do not care to bother with incubators, renew their flocks in this way.



White Leghorns are used on the \$1,000 land.

"When I said '\$500,' I didn't mean that it was necessary to have that much to start in to raising poultry. I have known men who didn't have more than a shoestring to go into poultry raising, and who make a success of it.

"Again, I have known men who sunk \$30,000 to \$50,000 in the business. It all depends upon the man. As an average, I think the man with little capital is better equipped for the venture than the one with too much money.

"I believe our success has been due to the fact that we have learned to know a good hen when we see her, and know how to feed her to make her produce the most.

"It requires four or five acres of good fertile soil and a bountiful supply of good water to run a flock of 3,000 layers. But important as these are, they do not make the profitable egg farm. With all the other advantages, the farm must be near a good market.

"Eggs must be marketed cheaply and quickly, and the nearer one is to the market, the more regular and the larger will be the income.

"I believe one is justified in using land that is worth from \$300 to \$600 an acre for poultry, providing that land is near a good market. My own poultry is grown on land that is easily worth \$1,000 an acre, and I realize better returns than on \$150 land located farther from the market.

"I would not advise anyone to work with less than 2,000 laying hens. It will take that many to make a comfortable living and put an emergency fund in the bank. Of course, one don't need to buy that many on the start, the flock can be increased gradually. By setting aside five acres, you can start with 1,000 hens and increase to 4,000 hens, which is the capacity of five acres if all of the green food is to be raised.

"With a system of double yards and plenty of water, the yards can be kept free from taint and disease. Most farmers leave the work of caring for the poultry entirely to the wife. Her judgment is often best, but the man of the house should do his share of the heavy work, for he benefits by the results."

The fact that thirteen is the number of eggs generally placed under the sitting hen ought to make every superstitious henist feel that they are immune from any and all demons of the superstitious world. No other superstition is so widespread and far reaching in its supposedly evil influences as the number thirteen; yet with the henist it is the number which he thinks insures the best hatch. "What a world of grown-up children we surely are," magnifying the little things and minimizing the big things. "Our joys are fleeting; our sorrows never forgotten," writes the poet. The general run of men who do things in hendom move so smoothly and unobtrusively that they are hardly ever taken into account, whereas the would-be's make loud noises from the hilltops against their common enemy "bad luck." Thus it is that failures are listed in black faced type and successes in small print.

Mandy—"Whar'd you git dat chick-en, Mose?"

Mose—"Skuse me, Mandy; I can't tell a lie an' I don't wanter commit myself."

## Rosemont Farm S. C. Brown Leghorns

The "Queen of Missouri" strain win where quality reigns supreme. Exhibition birds of highest quality bred from my New York, Boston, Kansas City and St. Louis winners. Write for prices.

ELMER V. SHULTZ

Box 500

WEBSTER GROVES, MO.

## HOUDANS

AS THEY SHOULD BE! More firsts, Pittsburgh Fanciers, Ridgeway Williamsport, Pitts. Expo. than all competitors combined. Best pen in show, all varieties, Allentown Fanciers. 50 cks. sired by above winners. Egg orders booked now. Illustrated circular and mating list free. DR. H. E. DUNNE, State Vice-Pres. Am. Houdan Club, Center St., Ridgeway, Pennsylvania.

## Rose Comb Black Minorcas

Made a clean sweep at the Illinois State Fair, 1913, winning 1st, 2nd, 3rd and 4th cockerel, 1st, 2nd, 3rd and 4th pullet, no old stock exhibited. I can furnish you winners for any show. Write your wants and get my prices.

J. S. BALES - - - SPRINGFIELD, ILL.

## BUFF ORPINGTONS

With SHAPE, SIZE and COLOR that is recognized by leading Judges as being correct. We have the 1st pullet, 3d pen at Springfield, Ill., '13. 1st hen, 1st pullet, 2d pen at Carrollton, Ill., '13 They won their honors in strong competition. We have 200 head of stock for sale at prices that cannot be duplicated for the quality we will send you. Satisfaction absolutely guaranteed. A trial order will convince you. When writing mention American Poultry Journal.

HOMESTEAD FARM R. F. D. 9 SPRINGFIELD, ILL.

U. R. FISHEL'S AD in this issue will interest you. Read it.

## If Your Primary Object Is Egg Profit, Start with Pape's SINGLE COMB BLACK MINORCAS

They have won Championship Honors the world over. Have to spare stock that will hold their own in any competition, others that will produce an unusual number of large, white eggs. Are you interested in the choice of them at attractive prices? Write your requirements—we will help you. Free Catalogue contains winnings and special offers.

CHARLES G. PAPE

Box B74

FORT WAYNE, INDIANA





# Current News of the Poultry World

by J. F. Shureman

The Missouri State Poultry Show will be held in the Convention Hall, Kansas City, instead of in Chillicothe as had been planned. The change was made because the building being erected in Chillicothe will not be completed in time for the show.

Mankato, Minn., lays claim to being the second largest poultry center in the United States.

Don Raefel Carrion, the pioneer poultry raiser of San Juan, Porto Rico, has come to this country to study our methods of raising poultry and will spend most of his time on the big poultry farms in the vicinity of Roosevelt, L. I. He will also visit other large plants over the country, famil-

a dozen. During that time 876 chickens were sold which brought \$673.20. He estimates that with the eggs used at home, on the table, for setting, etc., his gross receipts will be \$3,200 for the year, with an expense of \$1,200, leaving a profit of \$2,000 for his work.

After several years of experimenting, Rev. James Houghton, pastor of the Universalist church in Hutchinson, Minn., has developed and perfected a new type of chickens which he has named Shawnees. He has a flock of about 200 of them and claims they breed true to type and color. The male bird has a black body, legs and tail, the hackle and saddle are white, the wing bars green and black, and the back and wing bow a deep cherry

G. M. Waters, a poultry buyer and shipper in Morrice, Mich., looked over his books recently and discovered that poultry prices are now the highest they have been in thirty years. Showing how prices have advanced, Mr. Waters says that at this time of year thirty years ago he was paying five cents per pound for hens, while today he is paying thirteen cents. Thirty years ago it was predicted that the business would be ruined by an overproduction, but the production and the prices have both steadily advanced.

At a meeting of the Wisconsin State Poultry Association, held in Oshkosh early in October, the following officers were elected for the ensuing year: President, C. R. Morgan, Oshkosh; vice president, C. A. Smith, Oshkosh; secretary, Frank Pugh, Oshkosh; treasurer, E. E. Beals, Oshkosh.

A brand new variety of Leghorns was shown at the recent poultry show conducted in connection with the Allentown (Pa.) fair. They are called Rainbow Leghorns, being true Leghorn type and with plumage that resembles the plumage of the English pheasants.

No admission fee will be charged at the coming exhibition of the Winona County Poultry Association, to be held in Winona, Minn. An increase in the entrance fees and the appropriation from the state has enabled the asso-

## WARREN HATCHERY CO.

We will hatch fourteen varieties in 1914 and we will have a capacity of one hundred and fifty thousand baby chicks. Watch for our December ad.

Joseph L. Heston, Manager :: Springfield, Ohio

### 8-Weeks-Old Chicks

Avoid poor hatches, losses from rats, white diarrhoea, etc.

Not only avoid losses, but order and get exact number of pullets and cockerels wanted. 10,000 8-weeks-old chicks ready September 1—Barred and White Rocks—early layers for 1914. Special summer prices till October 1. Send for price list.

Pittsfield Poultry Farm Co.  
102 Main Street Pittsfield, Maine

## Ancona and Lakenvelder

### SPECIAL SALE

Two hundred selected birds to sell; cocks, hens, cockerels and pullets, including all our winners. Properly mated trios \$10.00. Choice mated pens \$15.00 to \$25.00. Write your wants. Mention Am. Poultry Journal.

Mountain Orchard Poultry Farm  
Narvon, Pennsylvania



A. A. Carver and family, Seville, Ohio, whose Queen Quality Reds put Seville on the map.

iarizing himself with American methods of raising and caring for the birds. Eggs sell at 50 cents per dozen in Porto Rico the year around and poultry is proportionately high.

The Rochelle Poultry Company, of Rochelle, Ill., recently made a shipment of 70 tons of chickens to a firm in Chicago, for which they received a draft for \$40,000.

Governor W. C. McDonald of New Mexico donated a magnificent and massive silver cup, handsomely engraved, as a premium in the poultry department of the Texas-New Mexico State Fair in October. The governors of other states might do likewise.

L. K. Cogswell, the well-known poultryman of Chehalis, Wash., reports that on half a city block in Chehalis during the past eight months he produced 60,000 eggs, worth an average of 30 cents

red. The undercolor is slate. The female is steel gray, with laced hackle and salmon breast. He used Brahmas, Leghorns and game fowls in producing this new breed.

Articles of incorporation have been filed by the Sunshine Poultry Farm of La Crosse, Wis., the capital stock being \$30,000. The incorporators are: S. Y. Hyde, Jr.; J. H. Boynton and G. M. Erickson, all of La Crosse. The company will engage in the poultry business on a large scale.

Turkey growers in the vicinity of Cuero, Tex., are getting ready for their annual "turkey trot" this month. Cuero is the center of a rich turkey raising country and the marketing of the birds calls for an annual celebration in which the governor and his staff join. The turkeys are driven to market in great herds of thousands of birds.



ciation to open the show to the public without admission charge.

A unique lawsuit was settled in Omaha in October in which the court officially placed the wages of a hen for hatching out a setting of goose eggs at 97 cents and gave her owner judgment for that sum against the owner of the eggs. Two lawyers represented each party and the case occupied the attention of the court for nearly three days. The owner of the eggs threatens to appeal the case.

M. J. Thompson and R. R. Bly have purchased a 30-acre tract of land near Eugene, Ore., and will engage in the poultry breeding industry on a large scale. They are erecting pens to care for 6,000 laying hens and expect to market their product in Portland.

At the recent annual convention of the National Poultry, Butter and Egg Association, held in Chicago, W. F. Priebe, one of the big Chicago shippers, made the statement that eggs broken on the way to market represent \$75,000,000 a year in wasted energy on the part of the American hen. About \$1,000,000,000 per annum, he added, is the value of the total egg output of the hens of the United States.

The International Correspondence School, of Scranton, Pa., is negotiating for the purchase of the Rancocas Poultry Farm at Brown's Mills, N. J.

### REASONS WHY THE WHITE ORPINGTON HAS COME TO STAY.

By O. W. Aldrich, of Aldrich Poultry Farm.

WHEN a variety of fruit, vegetable, grain, animal or fowl comes on the market, the question arises, is this variety as good or better than those already popular? If not, even if widespread advertising makes it popular, it will not last. In order to become a standard or established variety it must equal or excel its competitor in such matters as required by the masses, it must not only appeal to the fancier, but must be a general purpose fowl. This is especially true when there are already varieties which have merits and fairly deserve popularity.

In applying this test to any breed of chickens it is well to consider briefly what are the requisites to make a general purpose fowl. The first things to be considered are its utility qualities. We need poultry for meat and eggs, and we need breeds that will produce these with the minimum of cost. If we can add other desirable traits such as hardiness, beauty of form and color, adaptability to varying conditions, etc., we have a bird that cannot fail to gain not only a temporary success, but one that must of necessity become standard and take the place to which its merits entitle it.

When we apply these tests to the

White Orpington, we firmly believe that no variety which has ever been developed has a greater claim to the regard of the people either as a utility fowl or one for the fancier.

Do we want a good layer? There are very few varieties that will produce as many eggs, or as great a weight of eggs, in a year as this, and still fewer that will furnish these eggs in winter, when the price is high, and those few varieties are inferior in many of the qualities which are desirable in poultry. They generally are inferior in weight and in the present state of the meat market we must depend very largely upon poultry to make up the deficiency in the beef, pork and mutton supply. If, then, we have a variety of poultry that produces the same weight in eggs, with from 60 to 80 per cent more meat; this of itself makes one of the strongest inducements to grow it and the quality of the meat also counts. While the smaller birds may equal the White Orpington in fineness of grain, there is none superior and but few equal in flavor and sweetness, and no person who has tasted the meat of a White Orpington will have much use for the coarse-grained Asiatic varieties. The White Orpingtons are quick growers and fairly quick in maturing.

On our farm we have raised the young to broiler size—1¼ pounds—in from five to six weeks, less than half the time that the largest Leghorn farm in the world claims that the Leghorns are fit to use as broilers; and at six months old we have laying pullets

## Don't overlook big free poultry book offer on back inside cover



### R. AND S. C. BLACK MINORCAS AND R. C. BROWN LEGHORNS

We are offering for sale hundreds of breeders and show birds at mid-summer prices. Prize winners at Chicago, New York and St. Louis are being offered at reduced prices. We can supply you in pullets and cockerels in almost any numbers, as we raised 3,000. Remember we can fit you up with a show string to win at any Fall fair. Our Special Buying Position Is Offered to You—It is our ambition to place 3,000 birds in the hands of honest people. Order whatever you are wanting, make a small deposit and the balance can be settled in monthly payments. Our mating and Summer price lists are free. Send five red stamps for our big catalogue. Mention American Poultry Journal when writing.

EDGEMONT POULTRY FARM : : W. O. CHASE : : BOX B : : HILLSBORO, ILLINOIS



## Forced Sale S. C. White Leghorns BIGGEST BARGAINS EVER OFFERED



Seventy-five per cent of my entire stock consisting of more than 1,200 Peerless Exhibition Strain White Leghorns must be sold before January 1, 1914. The severe tornado of last March devastated three of my largest and best coops (together with my home) and I am not in shape to carry over such a large stock of birds. Also, to be perfectly frank, I am short of funds to rebuild as contemplated. In this sale are dozens of young birds better than the finest individual male and female that I ever owned in previous seasons. My birds are reared under ideal conditions and for vigor and immunity from disease they have no superior. Owing to the circumstances, I am offering you

### Exhibition Birds at the Usual Utility Prices

and every shipment on approval. Furthermore, I guarantee sound health of birds for thirty days after arrival. Foreign shipments, same terms.

SPECIAL MATED PENS OF (12) clean-cut, young hens and (1) big, vigorous, showy cockerel, only \$25. These hens are of splendid type and I will use a cockerel to make every one of these pens worth double the price asked. Score card [by myself] with each bird if desired.

Remember PEERLESS EXHIBITION STRAIN WHITE LEGHORNS are larger than most Leghorns and lay a much larger egg. Also that for more than fifteen years they have been bred very carefully for increased laying qualities and vitality. The finest blood from reliable Eastern strains has been used annually in replenishing.

I HAVE SEVENTY-FIVE FINE EXHIBITION COCKERELS that I will let go for half what I ought to get for birds of their quality. Also Ten Cock Birds on the same basis. In this lot I have fully a dozen birds that are BETTER than my FIRST PRIZE AND CHAMPION COCKEREL at CHICAGO, DEC., 1911. My male line this Fall would be pretty hard to match anywhere in this country.

FOREIGN SHIPMENTS HANDLED TO ADVANTAGE. "HAWERA, NEW ZEALAND, May, 1913. Birds arrived in excellent condition and I thank you for fine selection and fair treatment. Respectfully, PERCY L. JEFFRIES" These birds travelled some 9000 miles and the total transportation charge on the three birds was less than \$25.00.

Extra Special 100 extra big and vigorous Cockerels well up in fancy points and just the thing for egg farms for new blood, 2 for \$5.00

Remember, All Shipments on Approval

and absolute satisfaction or your money back. Write at once for particulars with lowest price for just the birds you want.

LEON C. HUNTINGTON, State Vice-President Am. White Leghorn Club Box 12B, OMAHA, NEB.



weighing 7 pounds and cockerels 9½ pounds this year. No other fowl can excel the Orpingtons as broilers, as they have a greater fullness of breast than any other variety known to us.

They can be successfully grown and kept over as great a range as any other fowl; they will thrive in the moist and cool climate of England, their native home, and in the hot and dry climate of southern California; of Australia and New Zealand, and also in the cold climates of Newfoundland and British Columbia. We make a good percentage of our sales in Canada and Newfoundland, with a large proportion in Manitoba and British Columbia, and we have sold birds and eggs in every one of the United States, and we have yet to hear from any locality that the White Orpington does not do as well as any other class.

The hens are docile and quiet and a five-foot fence will keep them without roofing over your farm with wire netting to keep from paying damages to your neighbor's garden. They are good foragers and active for so large a bird, good setters and the best of mothers, but are not hard to break up when broody.

Thus we see that they are possessed of every quality needed by the people at large, and one has only to see a flock on the lawn or in the breeding pen to say that there is no fault for the amateur or fancier. White in plumage, red in comb, lobes and eyes, beautiful in shape, unexcelled by any other, they are the pride of their owner and the delight of the beholder. Besides this, they are very susceptible to improvement at any point where they were originally lacking, when properly bred and mated. When first sent out in England, many of them had white in lobes and wattles; were pale in eye and with blue tints in their legs, which resulted from breeding back to some of the features of the Leghorn and the Hamburg.

In England these things were not considered as disqualifications, and but little care was taken to correct them, although to the American breeder they are decided blemishes, and at first greatly detracted from the success in introducing the breed to the masses, but our experience shows that with proper care in mating these defects can be bred out and the bird can be bred as true to the standard required by the American fancier as any other variety known.

At first the plumage of the male, like that of all other white varieties when first introduced, was liable in our hot and dry climate to take on a creamy or brassy tint when exposed to the weather, and at this point we wish to say that when imported birds, raised in the cool and moist climate of England, have been here a few months they will show that, if possible, their color becomes worse than that of birds hatched and grown in this country. Of course, looking upon this as a defect, breeders desiring to improve the variety have for the last three or four years been breeding to secure a bird that would stay white and not require even the slightest bleaching for the show room. Those who have followed the show room for the last three or four years all know what decided advances have been made in color, and our experience now is, and we have demonstrated it within the past two years, that the White Orpington can be bred to as pure a white as

any of the older white varieties.

Another thing should be considered in the breeding of this variety if we do not wish to retrograde. In England meat is more valued than eggs or beauty, and there is a tendency there to breed the White to the shape of the Black, to increase size almost to that of the Cochin or Brahma, and by the infusion of Asiatic blood to get a fluffiness of feather and cushion. In following this method of breeding we foresee the greatest danger to the White Orpington. In the discussion at the last convention of the American Poultry Association at Atlantic City it was shown that this last method of breeding the Blacks had resulted in a great loss in their egg-producing capacity. Excessive size results in clumsiness, loss of activity, and decrease of fertility, as well as loss in egg production, and we say to American breeders of White Orpingtons: "Do not accept birds of the Cochin or Brahma type for White Orpingtons," but demand them with their fairly close plumage, their present weight, and their present egg productiveness, with their fine-grained, tender and sweet flesh, and you can rest assured that you will be satisfied with them and that they have come to stay. We are glad to see that the committee upon the revision of the Standard, in making changes in the White Orpington variety, have made changes which recognize the fact that there has been a tendency to breed the bird too low down, and with too short a body, and have provided for a little longer shank

and a longer body than in the present Standard.

As to the demand for birds of this breed, we have demonstrated that when breeders do the fair thing by their customers and send them birds and eggs that are worth the money paid, they need not fear that they will lose their business. Our trouble is, not that we fear that we will not be able to sell all the eggs and stock we can raise at fair prices, but that we cannot raise enough to supply the demand upon us.

The popularity of this variety as a show bird is clearly demonstrated by the fact that at the large or medium shows throughout the country during the last year the White Orpingtons have in nearly every case equaled the number of entries of the other most popular varieties, and in the great majority of cases have been the largest in number. A variety with the merits of this one for utility purposes, and which so commends itself to the amateur and to the fancier, must certainly retain its place as one of the most popular fowls in England, Canada and America.

### You Can Earn a Good Living Raising Poultry

Cut down living expenses—raise poultry for your own use and for sale to neighbors. Thousands make money this way with  
**SUCCESSFUL INCUBATORS**  
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Life Producers—Life Preservers  
Why don't you do the same? Learn how easy it is to start. Booklet "How to Raise 48 out of 50 Chickens"—10c. Catalogue FREE. Write today. Address:  
Des Moines Incubator Co., 1 Second St., Des Moines, Ia.



## SILVER LACED WYANDOTTES

Bred from 1st CLEVELAND cockerel, that can win in any show room. Fine hackle spread tails and the very BEST OPEN LACING, prices right. R. D. OWEN, CRESTON, OHIO

## WHITE PLYMOUTH ROCKS

Have five hundred more youngsters which have been winning at Indianapolis, Nashville, Tennessee, Greenwood and Franklin, Indiana. Let us quote prices on large vigorous breeders to build up your flock, we have cockerels, pullets, also hens of 1912. We advise early inquiries. F. L. DEER, Franklin, Ind.

## SILVER CAMPINES GOLDEN

The best to be found in America, bred from our last season's winners, a few choice exhibition Silver Cockerels for sale. GENSEMER BROS., 161 Main St., Creston, Ohio

## S. C. White Leghorns

Selected breeding cockerels \$2.00 and \$3.00. Laying Breed.

JOSEPH STENZ & SON  
Fond du Lac, - - Wisconsin

## R. C. Reds

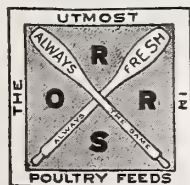
We have a grand lot of youngsters for sale. Many of them raised from our CHICAGO, INDIANAPOLIS, LOUISVILLE and INDIANA STATE FAIR WINNERS—Birds on approval always.

Longfield Poultry Farm, Box 321, Bluffton, Ind.

## 5 Firsts, 4 Seconds, Best Display at Nashville, by Loyd's Prize-Winning Partridge Rocks

Stock for sale at reasonable prices according to quality.

FRANK L. LOYD - - - GREENSBURG, IND.



## Every Ounce Guaranteed

BY D. LINCOLN ORR

Absolutely and without doubt we are putting on the market the only clean, sweet and pure feeds. Always fresh and always the same. Send for our booklet and see who is using our feeds. You want results, then feed for them.

WM. ORR & SONS Box 5 ORR'S MILLS, NEW YORK

BREEDERS OF BRED-TO-LAY

## Pen-Y-Bryn Farm

F. A. TIFFANY, Supt.  
Box A436 Ambler, Pa.

S. C. White Leghorns White Wyandottes  
Imperial Pekin Ducks Rouen Ducks

Excellent Cockerels, Pullets and Pens For Sale both for Utility and Exhibition Purposes. Our Ducks are winners at Philadelphia, Camden, Ambler, Baltimore, Allentown and Hagerstown.



THE ART OF CAREFUL SELECTION.

TO those contemplating taking up the chicken business, and who are undetermined as to the best all-round variety to take up, I can heartily recommend the White Orpington, for, by careful selection of breeding birds, one can raise both high-class specimens of cockerels and pullets from the same mating, for we have proven this beyond doubt this season.

Our earliest cockerels and pullets, hatched on February 4th, weighed on July 9th 8 pounds and 6¼ pounds respectively, which shows the rapid growth and development they make for their age; these pullets will commence to lay very early in the fall, just when we most desire eggs, and lay right through the winter months; if properly housed and fed the severest weather will never check their laying.

Last year we had our breeding pens mated in open-fronted colony houses, and our birds were laying well in January, which was very mild, but during a very cold spell in February which lasted about 10 days, when the thermometer dropped far below zero, these birds con-

tinued to lay as though the weather had not changed a particle.

As a table fowl the White Orpington cannot be beaten, for the meat is delicious and juicy; this chicken, being a very deep-keeled bird, has more plump breast meat than almost any other breed. If they are properly fed and cared for they should make 2 pounds each 8 weeks after hatching; we average cockerels on this farm that weigh 4 pounds at 12 weeks old and pullets 3 pounds—this makes them invaluable as broilers, for they can be so easily put on the market at so little cost.

Considering their exhibition qualities, to obtain the most satisfactory results one should start with the very best, mating them carefully and correctly. I know of no other breed where one gets so high a percentage of good birds and so low a percentage of culls, and I have been raising chickens all my life, and bred many winners—Wyandottes, Orpingtons, Plymouth Rocks, and most varieties of standard bred fowls and bantams.

I never realized, until this year, that it was possible to produce, through careful study and selection in mating, such universal quality in one season's breeding, and we have advanced over 100 per cent on the parent stock; for instance, one of our best males, a true Orpington in every point, with the exception of being a little weak in eye, was mated to strong-eyed females of ideal type and color, and of 106 chicks from this mating, only two showed a

light eye, and they were stronger in eye color than the male bird. I took a pen of eight prize-winning females that were a little weak in eye, mated them to a male bird, a winner at one of America's greatest shows, with a perfect head, fine five-point comb, and fiery red eye, and up to the present time I have not found a chicken from this pen that has not got a beautiful head and comb and a strong red eye, while at least 90 per cent were of ideal type and color; in fact, all of our pens were mated to produce the very best results possible, and our percentage of red eyes, sound lobes, five-point combs, with excellent color and type, is simply wonderful.

So I feel that the man who is thinking of starting in the chicken business is safe and wise in selecting the White Orpington, for as when the utility qualities of the Orpington are thoroughly known throughout the world, the demand, which is now so great, will become tremendous, there is no breed that will adapt itself to different climates so well, for I have personally visited Orpington farms in South Africa, Australia, New Zealand, Canada, America, and every well-known one in England, and I have never yet met a breeder who would exchange the White Orpington for any other fowl, which goes to prove beyond doubt that they have no equal.

Most of the best and noted poultrymen of the world today who are making poultry famous and are organizing the poultry fraternity are enthusiastic breeders of Orpingtons.

In concluding this short article, I would like to say, "Let us all try to give the worthy Orpington the place it so justly deserves."

Len Rawnsley.

Supt. Aldrich Poultry Farm, Columbus, Ohio.



All steel, nickel plated, punches clean. Hole is right size; will not bruise the foot. Price 25c by mail, or at your dealer. J. O. Petter, State St., Belvidere, Ill.



Use Practical Trap Nests—Weed Out Hens That Don't Lay

Pamphlet and Quotations on Request

New Address: NEWTON GIANT INCUBATOR CORPORATION

Harrisonburg, Virginia

## Newtown Giant Colony Brooder

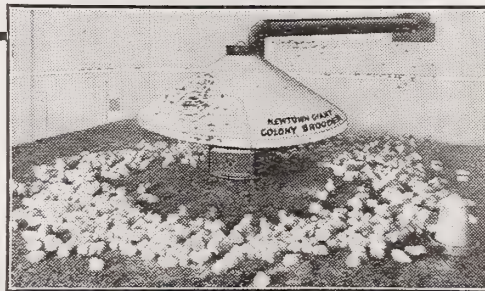
It runs itself—use in any building. It's purely automatic in feeding coal and regulating heat. You want a Giant brooder that insures perfect ventilation, room for exercise, right temperature, no crowding, no worry.

## Raises More and Better Chicks

Leading poultrymen are all enthusiastic over this Giant Colony Brooder. You will be, too, when you see it. Two sizes—No. 1, for up to 500 chicks. No. 2, any number up to 1500. Ask your dealer. If not there, write to us for Colony Brooder Circular A.

NEW ADDRESS

Newtown Giant Incubator Corp. Harrisonburg, Virginia



The poultry feeding station of the F. M. Stamper Produce Co., at Carrollton, Mo., is said to be the largest institution of this kind in the world. Forty thousand birds can be taken care of in the fattening pens at one time. The company maintains its own cold storage system, electric lighting plant and all modern equipment.

A special train, consisting of five carloads of eggs, four carloads of live poultry and one carload of dressed poultry, left Morristown, Tenn., on July 12, making a total of eleven cars of eggs and nine of live poultry shipped from that place during the first twelve days of July.

Ralph Searle, of Topeka, Kans., has been appointed vice director of the Missouri State Poultry Experiment Station at Mountain Grove.

### "DON'T WORRY! CONKEY WILL CURE ME!"

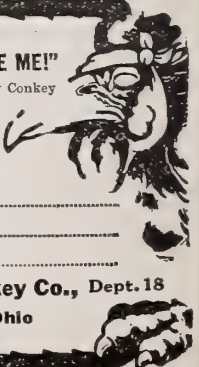
Your money back if any Conkey Remedy ever fails you. Send 50c today for trial package CONKEY'S ROUP REMEDY and big 80-page BOOK ON POULTRY, with list of Remedies we make.

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P. O. ....

Address State.....

The G. E. Conkey Co., Dept. 18  
Cleveland, Ohio





# Home and the Table

## Good Things for Everybody

Helen F. Woods  
Editor

The baby was crying, she didn't know why  
The dinner was burning and she couldn't save it.  
She'd a pain in her back and a tear in her eye.  
And it wasn't her fault, she could make affidavit.  
In college she'd learned such details as just how  
The ancient Egyptians wrapped linen 'round mummies,  
But how could that help her to find out, right now,  
How to wind flannel bands around small yankee tummies?  
So "Rock-a-by, Baby," she sang to the girl,  
Who kicked in her arms and strongly protested,  
"I wish that the teachers who set in a whirl  
My brain in this jumble could just be arrested!  
Rock-a-by, Baby! And let us agree,  
If ever by luck or God's grace I can raise you,  
I'll teach you the things that they didn't teach me,  
And maybe your children will rise up and praise you!"  
—Ted Robinson.

**W**OULD IT NOT prove interesting, in this day of high cost of living, if at the end of a week, or a month, or a year, the housekeeper could sit down in some quiet corner and sort out the wheat from the chaff in her expenditures? We all know that it is costing more and more to live, and that the necessities are actually higher than they were a few years ago, but how much of the family income is scattered to the four winds for nothing in particular is well worth finding out.

There isn't any better way to get at the root of the matter than by keeping accounts. The fact is, even in the best regulated families, a well kept cash account is a good thing to read over occasionally. It gives such an insight along the line of one's natural tendencies. It shows as nothing else can show where the family income has made its exit. So it is unfortunate, but nevertheless a fact, that only about one housewife in fifty keeps a cash account. It is not to be supposed that one in fifty has the time in which to do it, but taking into consideration the little time the average housekeeper has at her disposal after the "must be done's" are out of the way, there is probably no better way to make the best of it than by keeping accurate accounts of the family's expenditures. Frequently the reason given for neglecting this matter is that so little cash goes through the housekeeper's hands that an accounting seems out of her province.

There are women unfortunately, as there are men, totally unfitted to have the spending of money. They either never had an opportunity to learn its value or they were incapable of learning. But it can hardly be expected that a woman who is unable to purchase supplies wisely, will be able to prepare or use them to the best advantage. She is either deficient along the line of making "two blades of grass grow where one grew before" in her household affairs, or she is able to carry them through successfully—and if she cannot manage her household affairs with some degree of wisdom, it would prove greatly to the advantage of her family as well as herself if she tried another line of work better suited to her capabilities; since there are other ways that a woman

may prove her usefulness: If she has not the natural ability for exercising some degree of household economy and seems unable to acquire it, there is no way she can so easily show her utter uselessness and extravagance as in the attempted management of household affairs.

So let us get down to bed rock as

no stated amount of funds at their disposal, and "buying on a book" has become a habit with them, with no fixed amount for a given length of time. No one is ever able to manage finances successfully in this slipshod fashion. If a man works for a company that provides him with so much credit for his labor, and a book to have the account kept in, he never accumulates much wealth, and if by chance he should suddenly become possessed of wealth, he would not have the ability to use it wisely or well. His faculties in that direction have so long remained dormant that money—actual cash, in his hands would easily and naturally slip through his fingers. He has so long worked for a mere sustenance that he has no ability to plan or formulate ideas for the accumulation of funds for his hour of need.



First prize pullet at Illinois State Fair and Green County Fair

soon as possible and see in cold black and white what the family income is buying. After a week or two or a month of this, we may be able to see what it had best not buy, or wherein it could buy greater value. The great difficulty with hundreds of housekeepers has been that they have never taken the trouble to get at the root of the matter, chiefly because they have had

It is altogether a wrong idea for a person to attempt to conduct a business without some idea of the means by which it is to be carried on. For, once knowing the amount at hand, a plan can be found that will keep the necessary expenditure a little inside of it, if a concentrated effort is made to do so.

Along this line Edward W. Bok, in





## POULTRY FLATS

Are sure to revolutionize poultry raising for profit. Build one and you will always be glad. Not half the work and that done out of wind and weather. Need not move three feet from one spot to water, feed and clean. No brooders to buy. Each flat will brood 600 chicks. Build as many as you like. Raise all you want. One occupies 24x36 feet of ground and includes six runways. They have been erected in every state in the Union. No business today is so safe and sane as the poultry business when properly conducted and you do not need much money to start. One man made \$800 the first year from one flat.

He tells you all about it in the book, Poultry Flats, also twenty-four others from nearly as many different states tell you what they have done with this new and easy way of raising poultry. This book tells you about the Ott-Omatic Fountain, whereby you can water 10 000 birds as easily as one.—No work. You do not need a section of land to make money from poultry. The book tells you why, also about the ten point perfect laying house, line-breeding guide and many other things that we all ought to have known long ago.

Poultry Flats is one of the greatest side lines yet. It works while you work as well as while you sleep.

Send us ten cents in coin or stamps and we will mail you this 124-page book, or better yet, send 25 cents and we will send you a six months' trial subscription to our paper, recognized as one of the best published and also send you FREE this book, Poultry Flats.

Under no circumstances build or buy until you have read this book. Address

**Inland Poultry Journal**  
SPENCER BUILDING  
Indianapolis :: Indiana

the October Ladies' Home Journal, asks his readers some very pertinent questions, and ones which, but a small proportion of housekeepers can answer intelligently. Mr. Bok is undoubtedly entirely correct in his supposition that an investigation of one hundred homes taken at random, as to how practically and intelligently the women at the head of these homes are spending the income brought into it, would result in showing a more or less lax state, in the spending of the family income. Statistics show us that American women have the spending of seventy cents out of every dollar whether they handle the cash or not and certainly, seventy women in a hundred are unfitted for this undertaking. Probably a much greater per cent. Most women marry and take over the management of a house and family without knowledge as a backing, but they can in marriage. There are always plenty of takers, no matter how great the chances for losing out.

Undoubtedly, there will be a day of reckoning as Mr. Bok tells us. In truth, is it not at hand? Have we not been weighed in the balance and found wanting? And for this very reason, resent conditions that have caused our unfitness. No woman ever as the manager of a household but that regretted her lack of training and that is the chief reason why the "women are getting restless" as Mr. Bok puts it. Thousands of them are realizing their unfitness for their work as housewife and housemother, and there will continue to be more or less unrest in this quarter until the training and fitness for this work has begun with the children, "for the housekeeping and homemaking of the future are not going to be what they have been in the past, or are today."

All the questions, however, which Mr. Bok puts up to womankind, while she may study them with advantage to herself, do not properly belong to her. The men make the laws and fill the offices. They are paid to see that the grocer's scales are honest scales, they are paid to see that food labeled as "pure" under the pure foods act, is pure, they are paid for the inspection of milk and meat and if these foods have passed the inspection, how is the housewife to know when it is not properly done, as is often the case. The inspection of meat is such a farce in most instances that if it were not so serious a matter it would be ridiculous. Watch the inspector, stamp in hand, as he rapidly imprints the well known purple inspection label, on beef, lamb, veal or pork, talking politics or the weather meanwhile with a crowd of bystanders, while the carcasses of meat are rapidly passed in front of him. Yes, there would have been occasion for a pure food law even if the women had been competent buyers, and there will continue to be need for such a law and the enforcement of it as long as foods are manufactured and put up for sale. And the thing that would be the least conducive to the discontinuance of such a law, would be a lowering of prices on staple food articles. Pure foods cannot be produced and sold for the prices they once were. Mr. Bok asks, "why are eggs fifty cents a dozen?" and "why should they not be thirty cents instead of

fifty cents?" The American woman at the head of the average home perhaps cannot answer these questions, but if she ferrets the matter out, she will find that first quality eggs cost fifty cents a dozen, because they cannot be produced and sold for a profit for less. Producing first quality eggs and selling them for thirty cents a dozen would mean a loss to the producer. Cheap eggs can be bought in practically all markets but the purchaser is not getting any more than he is paying for, and if he wants real eggs, he should pay fifty cents a dozen for them; and it is the same thing with milk and other staple articles of food. The difficulty lies not so much in the housekeeper having to pay fifty cents a dozen for eggs, as that of through a lack of training in her chosen work, she is unable to differentiate between the egg that is worth it, and the one that is in many cases not even fit for human consumption. The freshness of an egg can be told by the appearance of the shell; its purity and "well-fedness" can be told by both the looks and taste of the contents and every housekeeper ought to be able to know a good egg when she sees one. But with butter, a manufactured product, unless the adulteration is marked in taste or smell, how is the housewife to recognize it? The employment of experts with needed apparatus for conducting such investigation is much more to the point for this purpose. The housewife is out of her province attempting it.

This important work of a better knowledge of housekeeping and home making must be carried more extensively into the schools, for obviously if the mothers of today do not know themselves, they cannot teach their daughters. But it will necessitate not only a much larger expenditure than has been made in this direction heretofore in the public schools but a keener and broader knowledge of the subject in hand. It will require the services of instructors "born to teach" and those knowing whereof they speak. The American woman has found that housekeeping is a big job, and that with all the branches that come under this head, there is no other undertaking calling for such all round competence.

## SHOEMAKER'S POULTRY BOOK

AND ALMANAC.

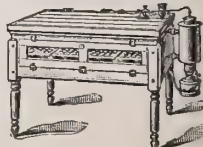


There is nothing in the world like it. It contains over 200 large pages, with many fine illustrations. A number of BEAUTIFUL COLORED PLATES OF FOWLS—showing them in their natural color. Tells all about all kinds of thoroughbred chickens, with like-like illustrations. Prices of eggs for hatching and fowls for breeding purposes. TELLS HOW TO RAISE POULTRY SUCCESSFULLY, their care and management and how to treat all diseases common among them. Gives illustrations and descriptions of convenient poultry houses, and plans to build them.

ALL ABOUT "GLOBE"

## INCUBATORS & BROODERS

with fine illustrations, complete description, and lowest prices. ALL ABOUT OPERATING THE INCUBATOR. This chapter is marvelously complete, and worth much more than the price we ask for the whole book. This Poultry Book is worth dollars to anyone interested in the raising of fowls. IT IS AN ENCYCLOPEDIA OF CHICK-ENDING, and no one can well afford to be without it. Will be mailed to anyone upon receipt of only 15c. Money refunded if not pleased.



C. C. SHOEMAKER, Box 605, Freeport, Ill.



# Recent Inventions for Poultrymen

By *Bester L. Sargent, Patent Attorney, Washington, D.C.*

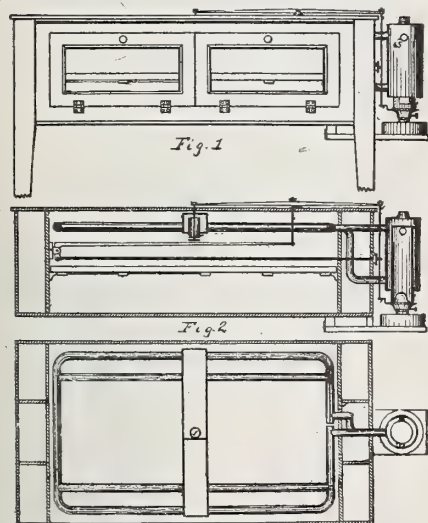
**P**OULTRY inventions patented during September include an incubator, an egg tester, a drinking fountain, a hover, a brooder and new devices for the shipment of eggs.

Several novel features appear in the new incubator. One of these is the new thermostatic control. This consists of a bell-crank lever pivoted to one wall of the chamber, connected by rods with a cover so as to open the vent for the admission of steam to the chamber below as the temperature rises and to close the vent as the temperature drops. This effects the desired result of the maximum of moisture supply to accompany the maximum of heat. The inventor depends entirely upon the gravity action of the bell-crank lever and the expansion and contraction of a thermostatic rod connected

moved, those resting upon the slide are moved over on the screen so that by the time the eggs hatch the slide is clear, may be slid back under the wire and an opening provided for the chicks to go down into the nursery area. This gives a substantial increase of egg capacity in any given tray. The patent rights have been sold by the inventor, Edwin W. Andrews, of Buffalo, N. Y., to John Jepson and Emma U. Andrews, trustees, both of Buffalo, N. Y. Patent 1,073,314.

Leslie W. Potter, of Rockford, Ill., is the inventor of a new hover for chickens, designed to provide thor-

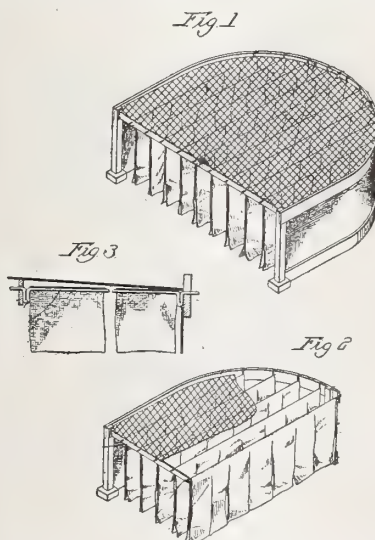
George Thomas Cripps, of Toronto, Ont., Can., has patented the egg tester illustrated. In it the egg is illuminated



Incubator, patented September 16, 1913, by Edwin W. Andrews, Buffalo, N. Y. No. 1,073,314.

with it and arranged to govern the lamp flame as well as to regulate the moisture supply, thus dispensing with all springs or weights. In the illustration, 29 indicates the thermostatic rod, which operates the cover to a vent leading from the water tray and also operates the vertically movable sleeve which fits over the wick tube. The elevation of this sleeve upon the flame has the same action as turning the wick down. Air circulation flues are provided at the ends of the incubator, and the piping for water circulation is disposed near the top of the chamber for uniform heating.

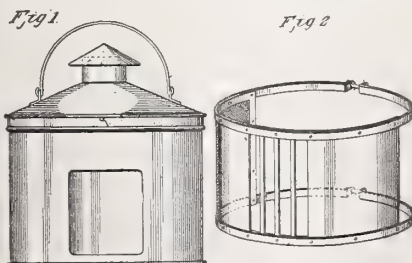
An interesting feature of the egg-tray arrangement, not covered by the claims, is the employment of a thin wood slide to form a flooring for a part of one section of the tray. The wire screen is cut away over this slide, but the tray is entirely filled with eggs. As the incubation process goes on and sterile eggs are found and re-



Hover, patented September 2, 1913, by Leslie W. Potter, Rockford, Ill. No. 1,072,029.

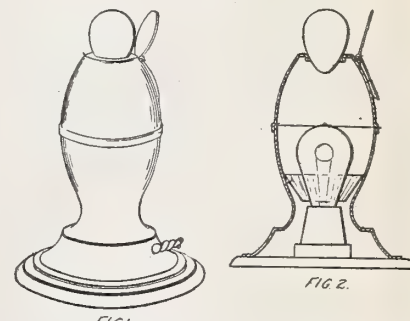
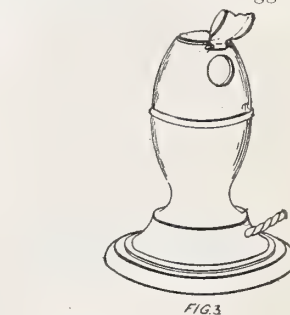
ough ventilation. The semi-circular frame is provided with a wall of fabric. The top consists in a removable screen. Patent 1,072,029.

James A. Elliott, of Sycamore, Ill., is the inventor of a new brooder for incubator chicks. It is of cylindrical



Brooder, patented September 2, 1913, by James A. Elliott, Sycamore, Ill. No. 1,072,217.

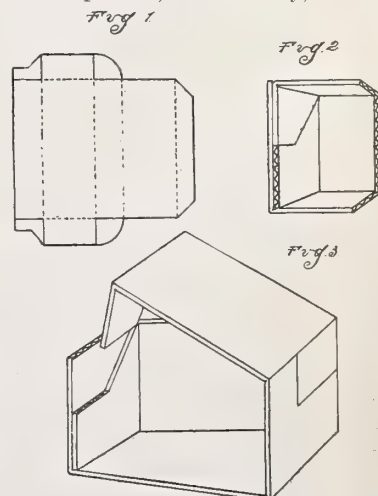
form, and is provided with a removable top or cover, a revoluble door structure, screen and solid doors. Patent 1,072,217.



Egg Tester, patented September 23, 1913, by George T. Cripps, Toronto, Ontario, Canada. No. 1,073,594.

and reflected in a mirror so that both sides will be simultaneously under observation. Patent 1,073,594.

Lawrence D. Morton, of Sandusky, is the inventor of an egg crate or shipping box, the patent rights in which have been assigned to the Hinde & Dauch Paper Co., of Sandusky, O. The



Egg crate or shipping box, patented September 9, 1913, by Lawrence D. Morton, Sandusky, O. No. 1,072,487.

object of this invention is to obtain a construction of paper box in which eggs may safely be shipped. Double-faced corrugated or cellular paper board is employed. Patent 1,072,487.



# The Call of the Hen

By WALTER HOGAN

guaranteed or money returned. Send \$2 to the Sonoma County National Bank, Petaluma, Cal., and get the book, return it after a week if not satisfied and the bank refunds the money

## ROUEN DUCKS

Breeding stock of this highly useful and attractive variety at reasonable prices. Eggs for hatching from carefully selected matings.

**SWEETBRIAR FARM**

Louis B. Schram, Prop.

ELBERON, N. J.

## Fell's Farm White Wyandottes

NINE FIRSTS AT MADISON SQUARE GARDEN, N. Y.

FIFTEEN FIRSTS AT THE GREAT ALLENTOWN FAIR

500 head at low prices

Catalogue Free

A. J. FELL, Box J, WEST POINT, PA.

# Win With Good Layers

**T**HERE is no need to keep White Leghorns that are not good layers just because you want prize winners. **Ferris Leghorns** have been bred for eggs and exhibition more than thirteen years. They have been trapnested and only the best layers used for breeding for so many years that **laying qualities are bred in the bone.**

Trapnested records of 160 or more eggs a year are required from all our best exhibition birds. We never breed from birds that fall below this standard, no matter how good they are from an exhibition standpoint. This is why the laying qualities of Ferris Leghorns are so widely known. Size, health, vigor are present in every bird—we raise no other kind.

Standard qualities are given extra attention. If you could see the hundreds of fine exhibition birds we have for sale you would find just the birds you have always wanted. They have splendid shape in every section—good heads, long concave backs, low wide spread tails. Their plumage is perfectly white, their shanks are a deep yellow. They are the kind that are winning for our customers all over the United States in strongest competition.



## Ferris Leghorns Win

Here are a few of the recent winnings that help establish the superior quality of Ferris Leghorns:

**Iowa State Fair, August, 1913**—Silver cup for best cockerel and numerous other prizes.

**Maryland State Fair, September, 1913**—First and second cock, first and second hen, first pullet.

**West Michigan State Fair, September, 1913**—First and second cock, first and second hen, first and second pullet, first pen.

**West Virginia State Fair, September, 1913**—First and second cock, first chl

We will exhibit at twenty or more of the leading fairs and shows this fall and winter. Watch our winnings and remember we can furnish equally good birds for your show.

Prices are reasonable. We have good breeding cocks and cockerels at \$5, \$7 and \$10. Good exhibition males at \$15 to \$30. Pullets and hens for breeding, \$2.50, \$3.50 and \$5; for exhibition, \$7.50 to \$15.

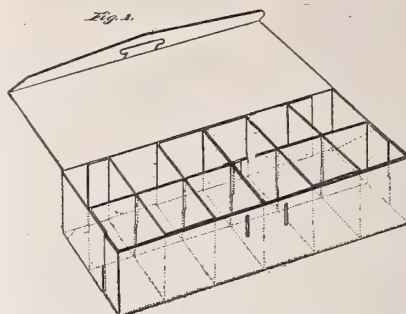
**We ship on approval—Your money back if not satisfied. We also insure all stock for thirty days—Replace free all that die or become ill.**

You should have a copy of our 132-page catalog. It is the most complete White Leghorn catalog ever published. It gives prices and description of all grades of stock—tells you just what we have to sell. It also gives a lot of information that may be of interest to you—how we feed and house our stock, how we breed for eggs, how we produce exhibition stock, etc. Write a postal today and let us prove to you that Ferris Leghorns will suit you. You will be surprised at the low prices we will quote on the stock you need.

**George B. Ferris, The Ferris Leghorn Farm**  
905 North Union Street :: Grand Rapids, Michigan

Greatest work ever written on the selection and breeding of poultry for eggs, the fancy, or the market. **Indispensable to the egg producer. Invaluable to the fancier.** Satisfaction

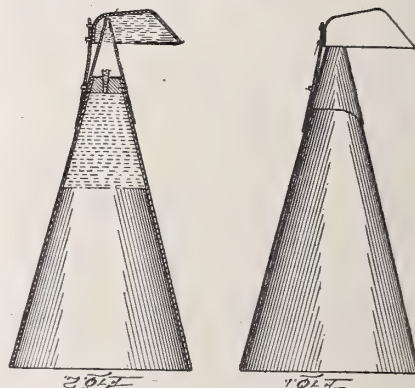
Cassius C. Smiley, of Indianapolis, Ind., has patented an egg carton. His carton comprises a single sheet of flexible material bent and forming the lid, bottom, front side and rear side



Egg carton, patented September 2, 1913, by Cassius C. Smiley, Indianapolis, Ind. No. 1,072,185.

of the carton. A single long strip is arranged as illustrated, to form egg compartments in connection with a longitudinal strip having slits and interlocked at the intersections. Patent 1,072,185.

A sanitary drinking fountain for fowls is the invention of James Mason, Jr., of Charleston, W. Va., "It is a common occurrence," the inventor says, "for disease to be transmitted from one fowl to another by reason of a contaminated water supply; and in numerous instances large numbers of chickens thus become diseased for a time, or are lost, and the real cause is unknown to the owner." The in-



Drinking fountain, patented September 2, 1913, by James M. Mason, Jr., Charleston, W. Va. No. 1,072,344.

ventor provides a cone-shaped main receptacle, a small connecting cone-shaped conduit, and a dish or drinking receptacle proper, to which the supporting cone member is attached. A body of air is interposed between the two supplies of water. A small sinuous passage through the base of the main water supply receptacle permits the desired degree of flow to the dish below. This may be easily regulated by a screw. Patent 1,072,344.

Word comes from "Turkey Neck," located in Kent county, Delaware, that the supply of turkeys this fall is 50 per cent greater than that of last season when the record was broken. This is one of the largest turkey producing sections of the country.





The month of Thanksgiving—let's all give.

\* \* \*

We have much to be thankful for. Cape Cod folks claim a bumper cranberry crop, Missouri a bumper turkey crop and Billie Atherton a Greater-Bumper Boston Show.

\* \* \*

Some of our last chats have hit home. Well they may.

\* \* \*

The Van Dyke brothers, C. Demonical Cleveland and L. Paul Graham (address unknown) were in evidence at Allentown. Drew says that pair have it over all else.

\* \* \*

The general quality of the young birds seen at the great fairs this season gives us greater hopes and more confidence than ever.

\* \* \*

The times and general poultry conditions also are better than even we could hope for. Full of confidence, the breeders are at it, and we look forward to the best business and show season ever.

\* \* \*

Show your birds. It is the first and last step to your success.

\* \* \*

We are writing from Hagerstown. The John L. Cost monument has been duly dedicated. It was a grand event and a beautiful tribute to the memory of one we all loved so well and that was so richly deserved.

\* \* \*

The idea of erecting monuments to our past leaders in poultry is a sublime one—one no other branch can boast of. We are proud of being a poultryman.

\* \* \*

A suggestion has been made and has met with favor to erect a monument to the beloved Philander Williams, the man, the breeder and judge whose work and life was a beautiful example to follow. Let us do this so that future generations can point with just pride to his deeds.

\* \* \*

The Philander Memorial Committee, to receive subscriptions and to erect this monument, is: Wm. B. Atherton, 30 Broad St., Boston, Mass., chairman; Jas. W. Bell, 542 S. Dearborn St., Chicago, Ill.; Grant M. Curtis, Buffalo, N. Y.; Theodore Hewes, Indianapolis, Ind.; F. W. De Lancy, Sellersville, Pa.; A. E. Alt-house, Sellersville, Pa.; W. Frank Spahr, Hagerstown, Md.; H. P. Schwab, Iron-dequoit, N. Y., and Wm. Ellery Bright, Waltham, Mass.

\* \* \*

It is the idea to make this a general fund and to limit contributions to \$10. No larger amount will be accepted from any one man. Send in your contributions to any one of the committee. The committee will hold special meetings at the Boston and New York shows.

The poultry associations will come to it and have the names of exhibitors on every coop. Why not begin now? Augusta and other associations have found this the best plan.

\* \* \*

The American Barred Plymouth Rock Club will hold its annual meeting at Indianapolis, Ind., February 2 to 7, 1914. Two hundred dollars in cash and several cups will be offered. This should be the season's greatest Barred Plymouth Rock Show.

\* \* \*

Wilson—"Has that charming widow any property?"

Bilston—"Real estate or personal?"

Wilson—"Personal."

Bilston—"She has six children."

\* \* \*

Scotty Bowers judges the cattle and joshes the poultryman. His speech at the Hagerstown banquet made a hit.

\* \* \*

Others of note were also heard to advantage. The banquet was a real jolly affair, with Messrs. Spahr and Baker receiving due credit for their successful efforts. There were about 7,000 entries.

\* \* \*

Baltimore has the Water Fowl Club meetings, and with from \$300 to \$500 in cash specials our web-footed friends will have the quack there.

\* \* \*

The presentation of flowers to Geo. O. Brown at Hagerstown, where he has served for over twenty years as judge, was a feature of the banquet. We hope Mr. Brown will serve more than twenty years more.

\* \* \*

Don't forget the Williamsport, (Pa.) Show, November 25 to 28. The P. L. is out and full of good things. Address Sec'y McCormie Dawson.

\* \* \*

Many a man gets to be conceited by thinking he isn't.

\* \* \*

The Trenton Fair, with Fred Huyler as superintendent of poultry, was larger and better than ever. Mr. Huyler has served his last term and in future will have charge of a new and great plant.

\* \* \*

Mr. and Mrs. D. W. Young are good mixers. It was cheering to see them at both Allentown and the New York State Fair.

\* \* \*

Exact Rhode Island Red color—that is one of the questions.

\* \* \*

Our show dates for this season include the following:

Hagerstown, Md., Oct. 13 to 18, 1913.

Ridgway, Pa., Nov. 18 to 20, 1913.

Williamsport, Pa., Nov. 25 to 28, 1913.

Palace, New York, Dec. 1 to 6, 1913.

Guelph, Ont., Dec. 9 to 12, 1913.

Philadelphia, Pa., Dec. 15 to 20, 1913.

Washington, D. C., Dec. 22 to 26, 1913.

Madison Square Garden, New York, Dec. 16 to 31, 1913.

Baltimore, Md., Jan. 6 to 10, 1914.

Boston, Mass., Jan. 12 to 17, 1914.

Indianapolis, Ind., Feb. 2 to 7, 1914.

Pittsburg, Pa., Feb. 16 to 21, 1914.

\* \* \*

John W. Ward, Jr., Pennington, N. J., the champion of the Dark Cornish fowls, is meeting with great success. The classes of this variety have been very large and choice at the great shows. They deserve unlimited popularity for their sterling quality.

\* \* \*

The scrap is on, and it again is a question of who is who. We can't see where either party deserves credit for fathering an un-American principled rule. Let's all forget it.

\* \* \*

H. P. McDonough, Newark, N. Y., made a splendid win on a choice line of Campines at the New York State Fair.

\* \* \*

We are pleased that Supt. W. H. Manning liked our report of the New York State Fair. The exhibit and his work deserved all we said of it. Mr. Manning is headed right.

\* \* \*

The first prize White Wyandotte cockerel at Hagerstown was a finished bird of rare type and fine head. F. M. Eakin, Bucyrus, O., the breeder, has shown a choice line.

\* \* \*

The entire Barred Plymouth Rock class at Hagerstown was good to see. It was the largest ever had there. The leading winners were H. D. Riley, R. J. Walden and C. N. Myers. Buff Rocks also were a very large and beautiful class. Columbian Rocks, great first cockerel, a wonder in type and markings, shown by L. P. Graham. First pullet we believe the best female we have ever handled—the best of form and markings, fine head and a great wing. Shown by the Wilburtha Farms, Trenton Junction, N. J.

## The Paradise Way

Insures greatest success in hatching chickens. Satisfied customers throughout the world. Write now for big free circular.

Elmer S. West Box 97 Ewing, Ky.

## Don't be Fooled by Cheap Prices

but send to G. B. Smith & Son and get eggs to hatch from their big birds, that lay them big and a lot of them. Three pens of each,

**Black and White Minorcas**

**G. B. SMITH & SON**  
Box 454 North Baltimore, Ohio



## THE RANCOCAS POULTRY FARM.

**America's Largest Poultry Farm Covering 375 Acres—A Mile of Buildings—Over One Hundred Thousand Egg Incubator Capacity—By H. P. Schwab, Eastern Representative of A. P. J.**

IN writing of our late visits to the Rancocas Farms, Browns Mills, In-the-Pines, N. J., our only fear is that our readers will fail to fully appreciate the size and magnitude of this gigantic establishment, for no pen picture can be drawn to do it full justice. It should be seen to be comprehended at its value and the lessons so derived would ever linger in memory as a glowing example of poultry possibilities. It is our mode to rather underrate than overrate, but in this case we feel it a duty to go the limit and spare no pains to fully describe this great plant and the works of a wonderful man.

Five years have passed since our first visit to this plant and we, like others, had a wise look and some doubts. It was a great plant then (a sort of forerunner of poultry possibilities and doubts were common); it is a gigantic plant now, safe and prosperous with thousands of customers and friends throughout the land that assure its future success. And all this is due to but one man—Mr. Joel M. Foster, a natural born leader, not only of chickens but of men. Mr. Foster, we may say, is a bundle of nerves, but not erratic. He is quick to comprehend and to act; he looks right through a fellow and has his number before he has his coat off, and he will try, also take chances, all of which combined account for his success. His inventions, his work and his examples have been of positive value to poultry and the breeders, and his success well deserved.

The Rancocas Farms contain 375 acres of land, with the large laying and breeding houses fenced off in two-acre plots, closely but not densely covered with pine trees. There are 36 houses that range from 100 to 150 feet each in length and about 14 to 16 feet deep, and in each are from 400 to 600

birds. Single and double colony houses cover the farm and here are housed each year the growing stock on unlimited range. These houses set end to end would reach over a mile and there are close to 9 miles of poultry fencing on the place. All buildings are kept very clean. They are light and of the fresh-air kind.

The incubator cellar and brooder houses were of interest to us. In the incubator cellar there are machines of 104,000-egg capacity, there being 260 incubators of the 400 egg size, with gas used for heating. This size machine is in favor here and will be as long as their results are obtained.

The executive building, built of brick and concrete, is three stories high. Here are the offices, stock, supply and testing rooms, with their mill and power rooms at one end. Then there is the drying house, where all the sand used is dried properly. The oat sprouting house, built according to Mr. Foster's original ideas, with over 500 large trays, from which the entire plant is supplied with sprouted oats; the packing and shipping houses, etc., making it a complete plant in detail and in fact. Here also are two large silos, where corn stalks are cut and put up in the regular fashion and used for green food during the winter. This was first tried on a small scale last year and proved a success. This season they are putting up 500,000 pounds cut in quarter-inch lengths. Mr. Foster said this was the best green food he had found for general purposes with matured and laying birds.

At the time of our visit Mr. Foster had nearly completed another original idea. An oat sprouting house, the first we know of, and of which we will give particulars later. To us this promises to be a feature of the plant.

At the time of our visit we found that 20 of the large houses were filled with upwards of 10,000 yearling S. C. White Leghorns for next season's breeders, and that the balance, 16 large houses and all the colony coops, contained the thousands of pullets that will be used for producing market eggs the coming season. All hatching is done with the hens' eggs and the following season the pick of these pullets will have their chance to show

quality. This plan has been followed ever since it was established and to a large degree is responsible for the success made. It insures strong fertility in hatching eggs and strong, vigorous baby chicks. In 1909 the total output of this farm was 500,000 market eggs, 59,380 day-old chicks, 92,210 hatching eggs, 5,000 broilers, besides cockerels and pullets sold for breeding purposes.

### Rancocas S. C. White Leghorns.

What a sight to behold, as you enter the pine wood. The healthful aroma of the pine is a delight and all about you houses and coops of the thousands of birds in their snowy-white costumes, red combs and yellow legs make a contrast admirable, doubly admirable when viewed from a quality standpoint. It was evident here before we had passed through the first two-acre plot, with its 500 pullets, that Rancocas Leghorns are being bred to a high standard type and quality. The striking small combs, the long bodies and the excellent stations all combine to make this a valuable quality flock. They were surprisingly fine in quality, and we complimented Mr. Foster liberally, for he has proven himself a believer in high-grade, Standard-bred stock and has freely shown it to be the most reliable and best paying, a claim we have made for years and again substantiate here.

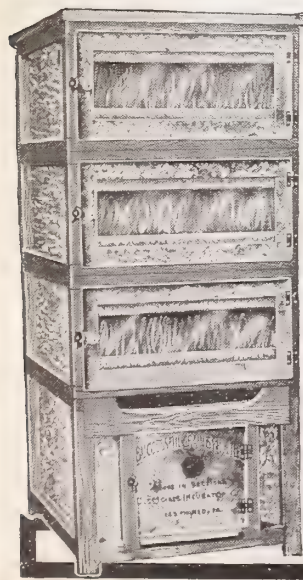
It was the same story throughout this gigantic plant. We went from yard to yard and from house to house, with the same beautiful quality in constant view. If there was an ailing chick or a cull on the entire place, we did not see it, and rest assured, we looked them over well. The hens were coming through the moult well and in pullets there were early birds fully matured and laying, and other flocks rapidly coming into their paying ages. All flocks are carefully graded for size and age and their uniformity, a feature.

Separated in flocks by themselves were 3,000 cockerels, all selected birds, to be sold for breeding purposes and used in time for breeders. These also were of a rich, equal grade, with quality and vigor as features.

To the visitor it is plain to understand just how Mr. Foster has been able to achieve his success and within half a dozen years to make the Rancocas Farms the largest and most famed in the world. He has bred with care for quality stock. He has introduced and worked out a system of "units" that has placed every man on his metal and that has assured the best possible results from every flock of birds. Proper range, sunlight and shade, cleanliness and healthful food in a proper and well balanced ration tells the story. His success is only extraordinary in its magnitude. It is no more than others can do if they will but try, for he has shown the way that will pay to follow.

Mr. Foster gives his entire personal attention to every detail and branch of the work here, and between finds time to write books and complete inventions along poultry lines. His international sanitary hover is known world wide, and we have seen thousands of them in use on both large and small plants. He now has nearly completed a new feeder that promises well, and he also is the author of the poultry book, "The Million Egg Farm," a substantial work that should be read by every poultryman, woman and child.

The great big "Year Book" given away free---see back inside cover now



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### Here's How To Get It!

Sprout grain! Do it with the aid of the "Successful" Grain Sprouter—the original grain sprouter—the first one ever made and the first one marketed—the leader of them all! It is made in sections—capacity from 50 to 500 hens. Makes money for both little and big poultry raisers. Gives each just the size each needs. Grows as your needs grow. Made of all steel throughout. Double steel walls. The newest, best idea in sprouter construction—being positively fire-proof and absolutely safe.

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can't warp, shrink or swell, like other sprouters. Prevents moulding of food. Made with large glass doors—metal trays. No wood to rot. Lasts practically forever. With it you can make 1 bushel oats go as far as 3 bushels ordinarily. You turn your idle hens into industrious egg-layers just at the time egg prices are highest! Makes early winter hatches possible. And it sprouts grain in 24 hours! Gives an inch of crisp green sprouts every day after that! Sprouts wheat or rye. Makes winter chicks thrive wondrously—protects their health—saves usual loss of chicks in winter—assures quicker maturity—enables you to sell chickens earlier when prices are highest. Write for the facts—find out for yourself. Get our Free Book.

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## NOTES FROM ENGLAND

CONDUCTED BY

MISS GAREY, TOYNTON RECTORY, SPILSBY, ENGLAND

### WON'T YOU HELP THE BOYS AND GIRLS?

The great convention of the American Poultry Association is over, and what a wonderful meeting of breeders from all over the world it was, covering the world as far east as England, as far west as California and taking in visitors from Canada on the north and Porto Rico on the south. Truly the greatest international convention ever held in the poultry world.

Perhaps it would be hard to find a place so ideally suited to such a great meeting as Atlantic City, which might well be termed the playground of the world. Here tired workers could find every form of enjoyment and those whom the business side of the convention kept busy all the day found pleasant recreation as soon as business hours were over, while the delightfully cool breezes from the ocean tempered all inconvenience from heat usually experienced in inland towns at that season of the year.

As a visitor from England, the whole great scheme, with the interesting exhibit of poultry and bird life, was most attractive to me, and as I stood aside and looked on I could not help noting the vast possibilities and future that lay before the poultry industry of America and the American Poultry Association, and only at one point did I feel that those inside the ring were missing a great opportunity, an opportunity no doubt overlooked by the concentration of their thoughts on the work they have in hand and the possibilities of the moment.

Throughout life, however, it has ever been my practice in whatever work I have taken up to work for the future success of an enterprise with equal or greater energy and interest than one places on the success of the moment and by probing the innermost workings of all successful business enterprises you will find that at least 80 per cent owe their success to foresight; and now, I would ask breeders to stop one moment in the great work they have in hand and ask just one question—What of the future? What are we doing to educate a body of true fanciers to carry on the great work when our turn comes to go? What are we doing to instill into the minds of our children the true sportsman attitude of the fancier, to teach them at an early age to tend and care for bird and animal life, to value and study the points of a fowl, to compete in a manly, open, straightforward manner at our shows and take a keen interest in the workings and success of the various clubs, to learn to accept defeat like a sportsman, and take success without undue brag, to despise the member who, unable to breed a good specimen seeks artificial methods to win the blue, instead of going right back home and putting effort and money into breeding better stock. Are we using our individual influence as older breeders to improve

the general tone of the fancy as the years go on?

A short time ago a little body of breeders saw a great work among the children of the country lying before them untouched, and greatly through the untiring efforts of a young fancier, Elbert G. Lawrence, a junior branch of the A. P. A. was formed, the age of members being limited to twenty-one years, unless already holding office by

fee is only \$1 a year, and he has about forty paid-up members on his books, and a lack of capital alone prevents his doing the work he is not only keen to undertake, but fully capable of handling.

Up to date the club has been managed by an executive board chiefly drawn from the older members, but at my suggestion as honorary member of the club, Mr. Lawrence has decided to form a Board of Patrons from among adult breeders only, who we hope will take the young club entirely under their guidance and support it with necessary funds until able to run alone, giving advice and guidance to the young executive committee in the outlay of such funds. Money at the moment is urgent-



Unretouched photo of Madison Square Garden winner. Bred and owned by H. N. Hanchett, Jackson, Mich.

general election of members on the executive board. This young fancier, now secretary of the club, has put in unstinted effort, time and money to get a club formed for the younger members of the fancy, but up to the present time he has met with only a very half-hearted support from the breeders whose influence could do so much to increase the membership. I believe the membership

ly needed to advertise in the papers that go largely among boys and girls in the country, to get out a year book and necessary printed matter, and to send lecturers around to schools and clubs to arouse interest, and above all, to provide a very large number of cups, ribbons and prizes so that the club may have specials to offer at every show possible



and encourage exhibiting among the members.

Now, breeders, will you help us to get the club going? Patrons contributing \$25 and upward will hold the right to be on the advisory board of patrons, and we want quite a few with love for the children, and interest and readiness to encourage their work so when the day comes when they are old enough to step into our rank, they will come in educated up to the standard we would like to see among fanciers throughout the world.

In the proposition we have a great nursery bed where hundreds of fanciers can be drawn into our circle whom otherwise we might never touch, for how often the pleasure of those early days at school and at home come back to the man who having made his pile in business seeks recreation and a hobby for spare hours later in life.

Any lessons learned in early life that tend to raise the morals build up the character of our boys and girls and teach kindness and valuation of the dumb creatures around us can only do good. Is it not worth your while, then, to put your hands in your pockets today and send Mr. Elbert E. Lawrence, of Craig, Mo., a check and enroll on the Board of Patrons of the Junior A. P. A. and sending with that letter your promise of warm-hearted support to the young fancier who has started such a splendid work right in your midst.

At the convention there was some discussion as to the advisability of calling the club the Junior A. P. A., since it might lead to difficulties in the advertising of awards by the two clubs, but the Junior A. P. A. are quite ready to meet the A. P. A. on this point, and a meeting will shortly be called with the idea of renaming the club, the Junior American Poultry Club or other name of a complete distinctive nature.

As English representative of the club and taking a keen personal interest, I shall be very pleased to correspond with anyone regarding its future prosperity, and feel sure the appeal to the old fancier for the young will not be in vain.

Readers of my articles may be interested to hear that while in your country I have found a base in America in coöperation with Mr. Sidney Clark, of Harmony Park, Scotch Plains, N. J., where my English stock in Welsh ponies, Orpingtons, Faverolles, Campines, poultry and dogs will be available without customers having the delay of writing to England. We intend to create for our joint enterprise a world-wide name and reputation for supplying good value for money, and as time goes on, we hope to make it a great depot where all kinds of English stock from noted studs can be purchased by personal selection of the American customer in their own country. I believe this depot will be eventually unique of its kind in the States, as absolutely every breed of beast or bird procurable in England will be obtainable to order there at the shortest possible notice.

#### Profit Possibilities With Capons.

Although caponizing is not a difficult operation, it has been more or less neglected in the United States until recently. But with the market demand for capons constantly increasing, and an excellent opportunity thus afforded for securing better profits, more poultrymen are now beginning to ca-

pimize their surplus cockerels, instead of selling them for roasters at lower market prices.

Caponizing is the operation of unsexing a male bird and is most successfully practiced upon cockerels of the heavy American or Asiatic breeds when they are about three months old. Caponizing not only increases the size and weight of the fowl at killing time, but produces a tender, juicy flesh, sweeter and finer flavored than that of an ordinary fowl. This accounts for the increasing demand at a higher price per pound.

The reason for the greater weight and finer quality of the meat of a capon is that the same energy and vitality a male bird puts into fighting and breeding is used by the capon entirely for development of flesh and bone.

The capon is quieter than a cockerel and consumes less feed in proportion to his weight, making a lower production cost. It is possible to produce capons that will weigh in a few months just twice as much as they would have weighed in that time if not caponized. For example, a Plymouth Rock or Brahma cockerel should weigh from five to six pounds when nine months old. The same fowl, if caponized, could be made to weigh from ten to twelve pounds at the end of that time,

and the flesh would be superior. The capon will bring at least 30 cents a pound, against the lower price of about 15 cents a pound for the cockerel.

The same feed is used for capons as for fattening any fowl. They are quiet and gentle and do well in close confinement. The South Carolina Agricultural Experiment Station found that capons often would hover young chicks and "mother" them better than hens.

The operation of caponizing, when properly performed with a good set of modern instruments, is not dangerous. The only loss is when the operator makes a "slip." The correct age to caponize a cockerel is just before he begins to develop sexually. It is important that the bird be in good condition and he should be allowed to fast from 24 to 36 hours before the operation.

An empty barrel, turned bottom up, makes a good operating table. Full instructions regarding the operation come with each set of caponizing instruments.

After the operation, turn the bird loose, water and feed the same as usual.

Try caponizing all your surplus cockerels this season and you'll be surprised at the larger profit you get from the same amount of feed and less care.



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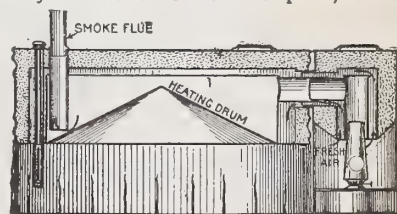
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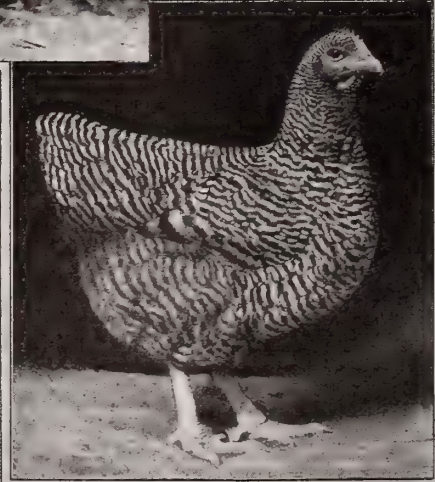
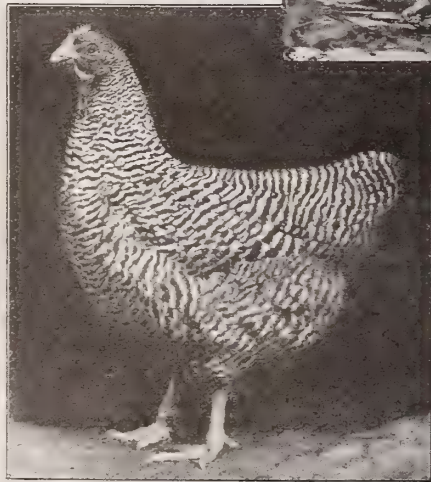
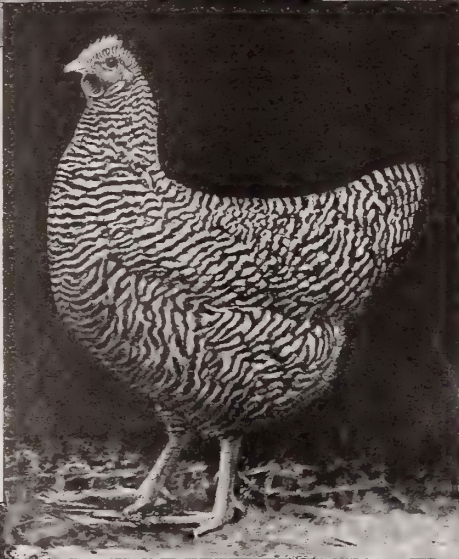
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TRAPNESTED, BRED TO LAY POULTRY  
TINLEY PARK, ILLINOIS.

The above group of Barred Plymouth Rocks shows a few of the birds with official egg records as made in last year's Missouri State Experimental Station egg laying contest. Lady Hattie, shown in the center, has the official record of 241 eggs. The records of the other birds are 235, 230, 228 and 227. Midlothian Farms, at Tinley Park, Ills., make a specialty of poultry with high egg records.



THE  
WORLD'S  
BEST  
LAYERS

THE  
WORLD'S  
BEST  
LAYERS



JOAN G. POORMAN MIDDLETHIAN FARMS AND HATCHERY  
TRAPNESTED, BREED TO LAY POULTRY  
TINLEY PARK, ILLINOIS

Lady Show You with a record of 281 eggs at Mississippi State Experimental Station, and four other White Rocks with a record of 242, 231, 227, 226 eggs per annum are shown in the above illustration. They may not have the Stand-bred-to-lay poultry, and the above are only a few of a large number of birds with high egg records.



## SHOW DATES, 1913-1914

## ARKANSAS.

- Dec. 4-9. Rogers—Larry E. Palm, secretary.  
Dec. 11-12. Van Buren—Gilliam C. Yoes, secretary.

## CALIFORNIA.

- Dec. 3-6. Fresno—Russell Uhler, secretary; Venn, Goodacre, Leitch, Crow, judges.  
Dec. 9-13. Pasadena—J. M. Wright, secretary; Chas. V. Keeler, judge.

## CANADA.

- Nov. 17-22. Toronto, Ont.—A. Westervelt, secretary.  
Dec. 2-4. Meaford, Ont.—W. J. Johnston, secretary.  
Dec. 8-12. Guelph, Ontario—R. W. Wade, secretary.  
Jan. 13-15. Mitchell, Ontario—Wm. Martyn, secretary.  
Jan. 13-15. Hanover, Ont.—C. E. Henning, secretary; J. H. Minshall, judge.  
Jan. 13-16. Moncton, N. B.—Geo. H. Seaman, secretary; Robertson, Jones, judges.  
Jan. 20-22. Tavistock, Ont.—J. Lemp, secretary.

## COLORADO.

- Dec. 8-13. Colorado Springs—J. R. Lowen, secretary; Chas. McClave, judge.  
Dec. 29-Jan. 2. Greeley—Clarence Candlin, secretary; A. H. Smith, judge.  
Dec. 29-Jan. 3. Pueblo—B. M. Price, secretary; C. H. Rhodes, judge.  
Jan. 5-8. Loveland—D. S. Mitchell, secretary; Elmer Gimlin, judge.  
Jan. 6-9. Greeley—C. M. Crozier, secretary; D. A. Stoner, judge.  
Jan. 12-16. Delta—Mrs. T. K. Seaton, secretary; Elmer Gimlin, judge.  
Jan. 19-24. Denver—W. C. Shuman, secretary; Tucker, Heimlich, judges.  
Jan. 19-24. Montrose—E. Wallace, secretary; Elmer Gimlin, judge.

## CONNECTICUT.

- Nov. 25-28. Waterbury—John J. O'Connor, secretary; Poes, Binnell, Cundell, judges.  
Dec. 2-4. East Hartford—Warren Hayden, secretary; Bailey, Matthews, Olmstead, Brundage, judges.  
Dec. 10-13. New Haven—C. S. Scoville, secretary.

## DISTRICT OF COLUMBIA.

- Dec. 23-27. Washington—P. Francis Sutor, secretary; George O. Brown, C. T. Cornman, H. P. Schwab, judges.

## FLORIDA.

- Nov. 25-28. Ocala—David S. Williams, secretary; F. J. Marshall, judge.  
Dec. 29-Jan. 3. Tampa—J. H. Wendler, secretary; Marshall, Cook, Woodworth, Carson, judges.

## GEORGIA.

- Dec. 8-13. Savannah—O. J. Metcalf, secretary.  
Jan. Comer—T. C. Hutcheson, secretary.

## IDAHO.

- Dec. 15-20. Coeur d'Alene—H. O. Tytherleigh, secretary; Miller Purvis, judge.  
Jan. 26-31. Boise—Chas. H. Sheppard, secretary.

## ILLINOIS.

- Nov. 12-15. Ewing—M. G. Fitzgerald, secretary.  
Nov. 24-29. Du Quoin—Chas. G. Cressmann, secretary; T. M. Campbell, judge.  
Nov. 24-29. Moline—O. F. Freeman, secretary; O. L. McCord, Thomas B. Falkner, judges.  
Nov. 24-29. Rock Island—O. F. Freeman, secretary; O. L. McCord, Thomas B. Falkner, judges.  
Nov. 26-30. Quincy—A. D. Smith, secretary; Russell, Hale, Hare, Johnston, judges.  
Dec. 1-6. Olney—Carl Adamson, secretary.  
Dec. 1-6. Beardstown—Victor L. Adelman, secretary; J. C. Johnston, judge.

- Dec. 2-5. O'Fallon—Ferd Morgenstern, secretary; Atkins, judge.

- Dec. 2-6. Lincoln—A. J. Mahan, secretary; T. M. Campbell, judge.

- Dec. 2-6. Peoria—James T. Cunningham, secretary; O. L. McCord, D. E. Hale, judges.

- Dec. 8-12. Hoopeston—Thos. P. Smith, secretary; G. W. Heyl, judge.

- Dec. 8-12. Marissa—Fred Landgraf, secretary; Ben S. Myers, judge.

- Dec. 10-13. Alton—A. Consley, secretary; D. E. Hale, J. C. Johnston, judges.

- Dec. 10-13. Jacksonville—Jas. C. Weber, secretary; Geo. A. Heyl, judge.

- Dec. 12-17. Chicago—W. Theodore Hewes, secretary; W. S. Russell, O. L. McCord, J. T. Rountree, D. E. Hale, James A. Tucker, F. L. Sewell, H. B. Hark, W. C. Pierce, A. O. Schillings, A. C. Smith, H. A. Pickett, judges.

- Dec. 15-20. Freeport—Paul Wurtzel, secretary; Geo. Heyl, judge.

- Dec. 15-20. Milledgeville—C. A. Straka, secretary; F. H. Shellabarger, judge.

- Dec. 16-19. Hinckley—G. Anderson, secretary; Harry W. Atkins, judge.

- Dec. 16-20. Cowden—B. W. Breighner, secretary; B. H. Shinoske, judge.

- Dec. 16-20. Pontiac—O. A. Tuttle, secretary; Chas. V. Keeler, judge.

- Dec. 17-19. Benton—M. D. Clayton, secretary; T. M. Campbell, judge.

- Dec. 17-19. Thompsonville—Chas. E. Phillips, secretary; E. M. Quay, judge.

- Nov. 18-21. Granite City—J. W. Costley, secretary; D. E. Hale, judge.

- Dec. 22-27. Lanark—J. A. Shaner, secretary; Charles McClave, Theodore Ellis, judges.

- Dec. 24-27. Kempton—W. W. Kemp, secretary; T. M. Campbell, judge.

- Dec. 26-29. Staunton—Chas. C. F. Fritz, secretary; J. C. Johnston, judge.

- Dec. 29-Jan. 3. Canton—E. D. Geiger, secretary; Johnson, judge.

- Dec. 30-Jan. 3. Aurora—C. L. Valentine, secretary; W. C. Piene, W. S. Russell, judges.

- Dec. 30-Jan. 2. Champaign—Paul T. Bacon, secretary; D. E. Hale, judge.

- Dec. 31-Jan. 3. Richmond—R. G. Scott, secretary; F. H. Shellabarger, judge.

- Jan. 5-9. Galva—Edw. Iverson, secretary; E. G. Jeane, judge.

- Jan. 5-10. Elgin—Chris. H. Leitner, secretary; Northup, judge.

- Jan. 6-10. Mendota—Elmer C. Wise, secretary.

- Jan. 5-11. Chicago—A. E. Lamieux, secretary; Shellabarger, Hemingway, Coleman, Hayes, judges.

- Jan. 5-11. Springfield—Theodore S. McCoy, secretary; O. L. McCord, D. E. Hale, J. C. Johnston, George A. Heyl, J. H. Minshall, judges.

- Jan. 7-10. Chicago Heights—B. T. Gibbs, Jr., secretary; F. H. Shellabarger, judge.

- Jan. 12-17. De Kalb—Wm. W. Hayden, secretary; D. E. Hale, Frank Heck, judges.

- Jan. 12-17. Mattoon—W. H. Morris, secretary; A. N. Niles, judge.

- Jan. 12-17. Kankakee—E. P. Vining, secretary; F. G. Bean, judge.

- Jan. 13-17. Mt. Vernon—G. W. Reid, secretary; J. J. Kline, judge.

- Jan. 13-17. Bloomington—W. F. Butler, secretary; Rickhoff, Heyl, judges.

- Jan. 14-18. Woodstock—O. Lee, secretary; McCord, judge.

- Jan. 19-24. Decatur—E. E. Deetz, secretary; Hicks, Hale, judges.

- Jan. 26-30. LaFayette—W. M. Bryan, secretary; D. D. Whitaker, judge.

- Jan. 26-31. Orangeville—S. D. Confer, secretary; T. J. Rountree, judge.

- Jan. 27-30. Clinton—T. J. Wilson, secretary; W. S. Russell, judge.

## INDIANA.

- Dec. 3-7. Vincennes—C. D. Bridgeman, secretary; T. M. Campbell, judge.

- Dec. 8-13. Goshen—D. E. Emerick, secretary; H. A. Pickett, judge.

- Dec. 8-13. Princeton—Walter J. Heller, secretary; Louis J. Demberger, judge.

- Dec. 9-14. Michigan City—A. L. Peterson, secretary; S. B. Johnston, judge.

- Dec. 10-13. Marion—Frank Sherwin, secretary; H. A. Pickett, judge.

- Dec. 11-13. Connersville—A. J. Roth, secretary; W. W. Zike, judge.

- Dec. 12-17. Indianapolis—Theodore Hewes, secretary.

- Dec. 15-20. Thorntown—Floyd Wyant, secretary; Z. D. Struble, judge.

- Dec. 22-27. Sheridan—G. R. McMurtry, secretary; Pickett, judge.

- Dec. 29-Jan. 3. Young America—John W. Beck, secretary; E. M. Quay, judge.

- Dec. 29-Jan. 3. Angola—J. Mack Fisher, secretary; H. A. Pickett, judge.

- Dec. 30-Jan. 2. Elmore—Oscar P. Hadkier, secretary; Coleman, judge.

- Dec. 30-Jan. 4. Hammond—Wm. Maginot, secretary; Chas. V. Keeler, judge.

- Dec. 30-Jan. 5. Jasper—F. L. Betz, secretary; W. L. Gladish, judge.

- Dec. 31-Jan. 6. Terre Haute—M. Austin Potter, secretary; Theo. Hewes, judge.

- Jan. 5-10. Greencastle—Mrs. Walter L. Evans, secretary; W. W. Zike, judge.

- Jan. 6-9. Bedford—F. J. Heitger, secretary; B. H. Myers, judge.

- Jan. 6-10. Decatur—Chas. H. Oetting, secretary.

- Jan. 6-11. Remington—W. E. Peck, secretary; Thos. M. Campbell, judge.

- Jan. 8-13. Morocco—A. M. Robertson, secretary; Carl J. Carter, H. A. Pickett, judges.

- Jan. 7-11. Auburn—Wayne W. Otis, secretary; A. E. Hamlin, judge.

- Jan. 10-16. Indianapolis—Henry C. Dipple, secretary; O. L. McCord, Chas. V. Keeler, F. E. Harrison, Louis Demberger, judges.

- Jan. 12-17. Brazil—J. C. Macdonald, secretary; Thomas Falkner, judge.

- Jan. 12-17. Evansville—E. L. Fenton, secretary; Zike, Mullinix, judges.

- Jan. 13-17. Richmond—Cash Beall, secretary; H. A. Pickett, judge.

- Jan. 19-24. Frankfort—Charles Cue, secretary; Thomas M. Campbell, judge.

- Jan. 19-24. Franklin—A. W. Byers, secretary; Bridges, judge.

- Jan. 20-24. Logansport—Chas. M. Euyart, secretary; J. C. Clipp, judge.

- Jan. 21-26. Fort Wayne—T. C. Kucher, secretary; Pickett, Hamlin, Faulkner, judges.

- Jan. 26-29. Mulberry—J. Frank Smith, secretary; T. M. Campbell, judge.

- Jan. 26-30. LaFayette—Harry G. Leslie, secretary; Whitaker, judge.

- Jan. 26-31. Elkhart—Geo. Carroll, secretary; Mullinix, Meyers, judges.

## IOWA.

- Nov. 22-28. Des Moines—K. H. Guthrie, secretary; W. S. Russell, G. D. Holden, judges.

- Nov. 24-29. Davenport—Harry W. Atkins, secretary; Russell, Cram, judges.

- Nov. 24-29. Independence—C. J. Friedman, secretary; Carl Dare, judge.

- Dec. 1-5. Maquoketa—N. J. Rankin, secretary; F. H. Shellabarger, judge.

- Dec. 1-5. Villisca—J. H. Todd, secretary; Carl Dare, judge.

- Dec. 1-6. Muscatine—J. C. Collins, secretary; Russell, judge.

- Dec. 2-6. Dyersville—Frank Faha, Jr., secretary; U. J. Shanklin, judge.

- Dec. 30-Jan. 2. Hampton—L. H. Carter, secretary; Dixon, judge.

- Jan. 5-9. Decorah—Len Larson, secretary; Chas. V. Keeler, judge.

- Dec. 6-12. Des Moines—K. H. Guthrie, secretary; Russell, Hale, Seyler, judges.

- Dec. 9-12. Jefferson—H. E. Latham, secretary; Shanklin, judge.

- Dec. 9-12. Iowa Falls—F. R. Champlin, secretary; H. S. Dixon, judge.

- Dec. 9-13. Clarinda—Mart Rahn, secretary; Carl Dare, judge.

- Dec. 9-13. Richland—J. D. Brems, secretary; Joseph Dagle, judge.

- Dec. 9-14. Dubuque—Paul Krocheski, secretary; W. S. Russell, judge.

# Cleveland's Quality Show

At Gray's Armory, January 5th to 10th, 1914—Send now for premium list to

A. E. Rehburg, Sec'y, 3040 West 25th Street, Cleveland, Ohio

U. R. FISHEL'S AD in this issue will interest you. Read it.



Dec. 10-13. Centerville—Bert F. Pixley, secretary.  
 Dec. 15-19. Ottumwa—Verdon Reinhard, secretary; W. S. Russell, judge.  
 Dec. 16-19. Red Oak—C. S. Lewis, secretary; J. L. Todd, judge.  
 Dec. 16-19. Tipton—R. M. Gregg, secretary; U. J. Shanklin, judge.  
 Dec. 29-Jan. 3. Grinnell—H. O. Shaw, secretary; F. H. Shellabarger, judge.  
 Jan. 1-7. Des Moines—Geo. S. Phillips, secretary; Russell, Shellabarger, Dagle, Southard, Seyler, judges.  
 Jan. 5-9. Ames—E. T. Kooser, secretary; Roundtree, judge.  
 Jan. 12-17. Cedar Rapids—E. D. Monilan, secretary; F. H. Shellabarger, H. C. Dipple, judges.  
 Jan. 13-18. Bayard—M. M. Curry, secretary; Wm. G. Warnock, judge.  
 Feb. 2-7. Burlington—Newton M. Derby, secretary; Russell, Harrison, judges.

## KANSAS.

Dec. 1-5. Pittsburg—D. J. Mackey, secretary; Adam Thompson, judge.  
 Dec. 8-13. Emporia—F. J. Horton, secretary; J. J. Atherton, judge.  
 Dec. 8-13. Fredonia—C. V. La Dow, secretary; C. H. Rhodes, judge.  
 Dec. 8-13. Coffeyville—Charles Radloff, secretary; Henry C. Dipple, judge.  
 Dec. 15-20. Neodesha—E. L. Graves, secretary.  
 Dec. 16-19. El Dorado—G. F. Ambrose, secretary; C. H. Rhodes, judge.  
 Dec. 18-20—Osborne—L. J. Cowger, secretary; W. A. Lamb, judge.  
 Jan. 5-10. Chanute—L. H. Wible, secretary.  
 Jan. 5-11. Independence—L. H. Wible, secretary.  
 Jan. 12-17. Wichita—L. B. McCausland, secretary; T. M. Campbell, judge.  
 Jan. 20-23. Leavenworth—C. M. Swan, secretary; Shellabarger, judge.

## KENTUCKY.

Dec. 1-6. Louisville—John A. Murkin, secretary.  
 Jan. 12-17. Ashland—J. S. Secrest, secretary; Simmons, judge.

## LOUISIANA.

Oct. 28-31. Monroe—Geo. A. Barns, secretary; Loring Brown, judge.  
 Nov. 24-29. Lake Charles—D. M. Foster, Jr., secretary; Reese V. Hicks, judge.  
 Dec. 5-7. Baton Rouge—W. H. Gates, secretary; R. E. Bruce, judge.  
 Dec. 12-15. New Orleans—R. E. Bree, secretary; Loring Brown, judge.

## MAINE.

Dec. 23-26. Berwick—Arthur C. Brooks, secretary; D. J. Lambert, E. F. Benson, judges.  
 Dec. 23-25. Freeport—Geo. P. Coffin, secretary.  
 Dec. 30-Jan. 1. Norway—E. Crockett, secretary; Coffin, Watson, judges.

## MARYLAND.

Jan. 6-10. Baltimore—George O. Brown, secretary; Wolseffer, Minnick, Kriner, Glasgow, Braun, Oke, McGrann, Schwab, Shove, judges.  
 Jan. 13-17. Frostburg—Wm. D. Hanson, secretary; Chas. T. Cornman, judge.

## MASSACHUSETTS.

Nov. 19-22. Attleboro—L. E. Callahan, secretary.  
 Nov. 25-27. Chelsea—H. C. Green, secretary.  
 Nov. 26-29. Mansfield—Faye Howe, secretary; Lambert, judge.  
 Dec. 5-6. Kingston—A. H. Holmes, secretary.  
 Dec. 9-11—Greenfield—S. H. Stone, secretary; Geo. W. Weed, J. E. Mack, judges.  
 Dec. 11-13. Lawrence—Neal W. Webster, secretary; I. K. Felch, L. Burnham, Jesse Rutter, D. P. Shove, judges.

Dec. 16-18. Springfield—H. L. Davis, secretary; W. B. Atherton, Paul P. Ives, W. H. Card, C. H. Welles, Richard Oke, judges.  
 Jan. 13-17. Boston—W. B. Atherton, secretary.

## MICHIGAN.

Dec. 4-6. Cass City—A. D. Gillies, secretary; W. W. Wise, judge.  
 Dec. 8-14. Battle Creek—De Lloyd Schell, secretary; Heck, Mullinix, Sewell, judges.  
 Dec. 17-22. Niles—Geo. W. Earl, secretary; D. E. Hale, judge.  
 Dec. 23-26. Holland—Wm. Dinkeloo, secretary; T. M. Campbell, judge.  
 Dec. 27-Jan. 1. Jackson—W. O. Wellman, secretary; W. S. Russell, judge.  
 Dec. 29-Jan. 3. Kalamazoo—F. W. Hough, secretary; Wells, Strong, judges.  
 Dec. 27-Jan. 3. Lansing—L. D. Maxson, secretary; Wm. Wise, judge.  
 Dec. 30-Jan. 2. Petoskey—E. M. Martin, secretary; R. V. Otto, judge.  
 Dec. 30-Jan. 2. Zeeland—Jno. A. Hartgerink, secretary; R. V. Otto, judge.  
 Jan. 2-5. Munising—Thomas B. Wyman, secretary; F. E. Harrison, judge.  
 Jan. 3-7. Ishpeming—Wm. St. John, secretary; F. E. Harrison, judge.  
 Jan. 6-10. Calumet—Wm. Reynolds, secretary; Daley, Wells, Harrison, judges.  
 Jan. 7-11. Flint—P. D. Phillips, secretary; Thomas Falkner, C. A. Bloss, judges.  
 Feb. 10-13. Saginaw—Ed Ohland, secretary; Elmer Gimlin, judge.  
 Jan. 11-14. Manistee—M. A. Fortier, secretary; R. V. Otto, judge.  
 Jan. 13-17. Ludington—O. C. Zook, secretary; W. A. Bonner, judge.  
 Jan. 13-17. Muskegon—E. G. Evans, secretary.  
 Jan. 17-21. Bay City—A. J. Cope-land, secretary; Falkner, Hemenway, judges.  
 Jan. 19-25. Detroit—J. A. Turner, secretary; Falkner, Minshall, Harrison, judges.  
 Jan. 19-25. Lansing—J. A. Turner, secretary; Harrison, Falkner, Marshall, judges.  
 Feb. 10-15. Menominee—W. A. Haines, secretary; Wells, Tucker, Harrison, judges.

## MINNESOTA.

Nov. 24-27. St. Cloud—L. R. Swift, secretary; Ralph Whitney, judge.  
 Dec. 2-7. Crookston—Mrs. F. C. Mitchell, secretary; E. G. Roberts, judge.  
 Dec. 3-6. Rochester—C. A. Boyd, secretary; Whitney, judge.  
 Dec. 3-6. Two Harbors—Fred D. W. Thias, secretary; Gimlin, judge.  
 Dec. 9-12. Winona—A. G. Sklenar, secretary; Nourse, Hess, judges.  
 Dec. 22-26. Albert Lea—H. E. Ruble, secretary; Jos. Dagle, judge.  
 Jan. 20-24. Bird Island—Paul Kolbe, secretary; A. C. Smith, judge.

## MISSOURI.

Nov. 19-22. La Platta—J. A. Ayers, secretary; Elmer Gimlin, judge.  
 Nov. 20-22. Concordia—Jno. F. Bruns, secretary; E. C. Branch, judge.  
 Nov. 24-28. Belton—Orville Gochbauer, secretary; D. T. Heimlich, judge.  
 Nov. 24-29. St. Louis—James J. Long, secretary; C. S. Byers, C. A. Emry, Frank Heck, Charles H. Rhodes, T. J. Rountree, J. S. Mertins, judges.  
 Nov. 25-Dec. 1. St. Louis—Henry Steinmesch, secretary; Theodore Hewes, A. C. Smith, C. S. Byers, Fred Harrison, E. C. Branch, Edw. Joynson, Tom Woods, V. O. Hobbs, J. A. Le-land, judges.  
 Nov. 25-Dec. 1. St. Louis—T. W. Orcutt, secretary; Woods, Hobbs, Falkner,

Young, Russell, Byers, Tucker, Branch, Cowan, judges.  
 Nov. 26-29. Moberly—C. Halliburton, secretary; Elmer Gimlin, judge.  
 Dec. 2-6. Maryville—Joseph H. Saylor, secretary; E. M. Quay, judge.  
 Dec. 3-6. Kirksville—Walter Martin, secretary; E. C. Branch, judge.  
 Dec. 10-13. La Belle—W. H. Breedlove, secretary; Elmer Gimlin, judge.  
 Dec. 11-18. Chillicothe—T. E. Quisenberry, director.  
 Dec. 11-16. Kansas City—E. L. Noyes, T. E. Quisenberry, secretaries; Reese V. Hicks, C. H. Rhodes, E. C. Branch, Adam Thompson, C. A. Emory, D. T. Heimlich, V. O. Hobbs, T. W. Southard, E. W. Rankin, Tom H. Woods, J. W. Southmayd, Ralph H. Searle, L. H. Wible, judges.  
 Dec. 18-20. Butler—Mrs. A. R. Guyton, secretary; Branch, judge.

## MONTANA.

Dec. 9-13. Stevensville—D. W. Harbuts, secretary; Greenfield, judge.  
 Jan. 13-17. Kalispell—G. Frederick Tate, secretary; L. C. Taylor, judge.  
 Jan. 13-17. Missoula—Roy A. Bisbee, secretary; Geo. D. Holden, judge.  
 Jan. 24. Butte—H. K. Madden, secretary.

## NEBRASKA.

Nov. 30-Dec. 2. Pawnee City—A. L. Jaeke, secretary; E. C. Branch, judge.  
 Dec. 8-12. Fremont—Fred S. Davis, secretary; Fred H. Shellabarger, judge.  
 Dec. 10-12. Central City—W. D. Farrand, secretary.  
 Dec. 10-13. Bennet—J. D. Gardner, secretary; A. H. Smith, judge.  
 Dec. 16-19. Ord—Carl Johnson, secretary; A. H. Smith, judge.  
 Dec. 17-19. Fairmont—F. P. Schmidt, secretary.  
 Dec. 30-Jan. 3. Edgar—C. G. Cottle, secretary; Guy E. Schieff, judge.  
 Jan. 7-10. Dover—D. C. McIntosh, secretary; Watson, Coffin, judges.  
 Jan. 20-23. Peterborough—George Ames, secretary; C. A. Wheeler, C. A. Ballou, judges.

## NEW HAMPSHIRE.

Dec. 2-4. Franklin—A. G. Thompson, secretary; Ballou, Coolidge, judges.  
 Dec. 9-12. Laconia—P. R. Lane, secretary.  
 Dec. 16-19. Derry—E. A. Cross, secretary.  
 Dec. 30-Jan. 2. Manchester—George C. Felton, secretary.  
 Jan. 6-9. Nashua—Luther Robbins, secretary; Coffin, Watson, Woodward, judges.

## NEW JERSEY.

Nov. 24-29. Asbury Park—F. H. Hodges, secretary; Seaman, Turner, Huyler, Dalby, Kriner, Applegate, Ingram, Kennedy, Paterson, judges.  
 Nov. 24-29. Dover—Carroll H. Hoagland, secretary.  
 Nov. 24-29. Morristown—D. F. Williamson, secretary; Heller, Bowman, Ives, Hallenbeck, judges.  
 Nov. 26-29. Bridgeton—Chas. H. Maier, secretary; Kennar, Baldwin, Stanton, judges.  
 Dec. 1-6. Trenton—Elton S. Stryker, secretary.  
 Dec. 4-6. Caldwell—M. Speiden, secretary; Wolseffer, Nixon, Stanton, judges.  
 Dec. 9-13. Camden—Arthur A. Hunter, secretary.  
 Dec. 10-13. Passaic—W. Scott, secretary; Nixon, Stokes, Fiske, Stanton, judges.  
 Dec. 19-20. Port Norris—H. C. Barraclough, secretary; Louis G. Heller, judge.  
 Dec. 29-Jan. 3. Newton—H. J. Woodward, secretary.

# The Third Annual Show of the Poultry Exhibition

Held in the Great Expo Hall January 19th to 24th, 1914. If you want to show at one of the really great shows this year you cannot afford to miss us. The entries close January 6th.

W. P. Craig, Secretary, 303 Empire Building, Pittsburgh, Pennsylvania

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CHICAGO  
POULTRY  
SHOW**

**January 5, 6, 7, 8, 9, 10, 11, 1914**

Held Under the Auspices of the C. P. B. A., Inc., in East End Hall, Corner Clark and Erie Sts., Chicago—The show of the breeders, by the breeders, for the breeders. Our Judges—Shellabarger, Hemenway, Coleman, Hayes and Dietz—have national reputation for ability and square dealing. Large display of silver cups; also liberal cash prizes, every premium guaranteed and paid for before close of show. Free uniform cooping and breeding. Entries close Dec. 15, 1913. Premium lists ready Nov. 1. Send for copy to

Arthur E. Lemieux, Secretary, 4539 Eberly Avenue, Chicago, Illinois



## NEW MEXICO.

Dec. 3-5. Carlsbad—C. O. Swickard, secretary; Elmer Gimlin, judge.

## NEW YORK.

Nov. 12-15. Yonkers—Rudolph Appel, secretary.  
 Nov. 24-29. Buffalo—J. H. Drevestadt, secretary; Charles D. Cleveland, W. B. Atherton, W. G. Minich, George H. Burgott, Wm. McNeil, L. G. Jarvis, W. C. Pierce, J. W. Andrews, W. C. Denny, A. C. Schilling, F. L. Maunder, W. C. Card, A. J. Braun, judges.  
 Nov. 25-29. Albany—John D. Jaquins, secretary.  
 Nov. 25-28. Peekskill—G. A. Aschenbrenner, secretary.  
 Dec. 2-6. New York City—L. D. Howell, secretary; Hicks, Weed, Card, Wolseifer, Schilling, Young, Sites, Orr, Green, Schwab, Wells, Doll, Punderford, Fiske Glass, Hay, Shaw, Feather, Gorse, judges.  
 Dec. 2-6. Saratoga Springs—H. Eddy, secretary.  
 Dec. 2-6. Geneva—Sidney H. Lewis, secretary.  
 Dec. 7-13. Syracuse—A. Augustus Eiler, secretary.  
 Dec. 8-13. Batavia—Fred Bentley, secretary.  
 Dec. 10-12. Catskill—J. Arch Hay, secretary; R. J. Hoagland, judge.  
 Dec. 9-12. Corning—M. B. Coger, secretary; F. D. Maunder, judge.  
 Dec. 15-20. Rochester—J. F. Tallinger, secretary; F. G. Bean, Charles T. Cornam, H. M. Kenner, Charles Nixon, C. J. Andruss, Rowland Story, T. F. Jager, J. F. Van Alstyne, M. V. Caldwell, judges.  
 Dec. 26-Jan. 1. New York City—Charles D. Cleveland, secretary.  
 Dec. 29-Jan. 3. Rochester—F. A. Newman, secretary; W. Theodore Whittman, Herman W. Grannis, Henry R. Ingalls, M. Frank Cook, F. J. Taylor, G. Archie Turner, A. J. Braun, W. J. Wirt, judges.  
 Jan. 12-17. Buffalo—Stanley A. Merkley, secretary.  
 Jan. 12-17. Utica—A. G. Warner, secretary.  
 Jan. 12-17. Auburn—Frank A. Elphee, secretary; Cornish, Douglass, Andruss, King, judges.  
 Jan. 27-29. Chatham—Walter H. Kay, secretary.

## NORTH CAROLINA.

Dec. 2-6. Winston-Salem—Wm. Carey Brown, secretary.

## OHIO.

Nov. 24-29. Akron—C. M. Woodring, secretary; Charles McClave, judge.  
 Nov. 26-30. Hamilton—J. E. Humbach, secretary; Tucker, Lanus, judges.  
 Dec. 1-5. Hamilton—Cliff Bryant, secretary.  
 Dec. 1-6. Mansfield—T. J. Darling, secretary; McClave, Barger, judges.  
 Dec. 2-6. Xenia—A. G. Spahr, secretary; S. G. Case, judge.  
 Dec. 2-7. Cleveland—J. T. Conkey, secretary; Rose, Brann, McClave, Minnich, Simmons, Burgott, judges.  
 Dec. 7-12. Bucyrus—E. G. Reid, secretary; Northup, Coe, judges.  
 Dec. 8-13. Delaware—D. L. Zingler, secretary.  
 Dec. 8-13. Bellefontaine—C. B. Halboth, secretary; Z. D. Struble, judge.  
 Dec. 9-13. Tiffin—C. H. Lines, secretary; W. C. Pierce, judge.  
 Dec. 9-14. Wooster—Arthur H. Smith, secretary; J. Gault, J. McIntosh, judges.  
 Dec. 10-13. Clyde—W. H. Archibald, secretary; S. G. Case, judge.  
 Dec. 15-19. Gallon—W. M. Huffman, secretary; D. D. Whitaker, judge.  
 Dec. 16-19. Bowerston—J. E. Mehaffey, secretary; Jas. Corfman, judge.  
 Dec. 29-Jan. 3. Struthers—Wm. Dehn, Jr., secretary.  
 Dec. 30-Jan. 3. Marietta—Fred L. Snodgrass, secretary; T. M. Campbell, judge.  
 Dec. 31-Jan. 3. Canal Dover—W. N. Betcher, secretary.  
 Dec. 29-Jan. 3. Bowling Green—A. A. Whipple, secretary; A. H. Emch, judge.  
 Dec. 29-Jan. 3. Canton—F. J. Miller, secretary; H. C. Dipple, Chas. McClave, J. W. Mulinix, judges.  
 Dec. 30-Jan. 3. Norwalk—A. C. Thomas, secretary; Chas. McClave, judge.  
 Dec. 30-Jan. 3. Leetonia—C. A. Angemyer, secretary; S. G. Case, judge.  
 Jan. 5-10. Lima—C. E. Morrow, secretary; Taylor, judge.  
 Jan. 5-10. Cleveland—A. E. Rehburg, secretary; Gault, Stream, Emsch, Platt, Lanus, Webb, judges.  
 Jan. 6-9. Edon—J. H. Mumaw, secretary; Sites, judge.  
 Jan. 6-10. Attica—L. G. Sutton, secretary; M. M. Barger, judge.  
 Jan. 6-10. Fostoria—A. B. Fuller, secretary.  
 Jan. 12-17. Dayton—W. H. Osterhaus, secretary; Pierce, Corfman, Stream, judges.

Jan. 12-17. Mt. Vernon—John R. Gamble, secretary; Stream, Busch, judges.  
 Jan. 12-17. Bluffton—D. J. Kohli, secretary; Chas. McClave, judge.  
 Jan. 12-17. Defiance—Edw. S. Bronson, secretary; George H. Northup, judge.  
 Jan. 12-17. Lisbon—W. T. Bennett, secretary; Charles C. McClave, judge.  
 Jan. 12-17. Van Wert—R. T. Bevington, secretary; E. M. Guay, judge.  
 Jan. 13-17. Massillon—Warren H. Shanabrook, secretary; F. G. Bean, judge.  
 Jan. 13-17. Wadsworth—Chas. H. Ries, secretary; A. H. Emch, judge.  
 Jan. 12-18. Toledo—J. S. Ball, secretary; Eckert, Coleman, Whitaker, Struble, Tripp, judges.  
 Jan. 19-24. East Palestine—M. A. Bowles, secretary; Chas. McClave, judge.  
 Jan. 19-24. Youngstown—Leo Pratt, secretary; J. A. Gault, judge.  
 Jan. 19-24. Port Clinton—G. T. Conley, secretary.  
 Jan. 19-24. Pemberville—Henry Withman, secretary; Emch, Taylor, Nash, judges.  
 Jan. 19-24. Piqua—George W. Ellerman, secretary; F. L. Platt, judge.  
 Jan. 19-25. New Waterford—Paul Oberholtzer, secretary; D. D. Whitaker, judge.  
 Jan. 22-27. Fremont—H. E. Cochran, secretary; James Tucker, judge.  
 Jan. 26-31. Paulding—G. F. Klinger, secretary; L. C. Taylor, judge.  
 Jan. 26-31. Upper Sandusky—F. M. Mealy, secretary; L. A. Stream, judge.  
 Jan. 27-31. Leipsic—G. L. Clark, secretary; Jas. Corfman, judge.  
 Jan. 28-31. Zanesville—Frank C. Clester, secretary; George H. Northup, judge.  
 Feb. 2-7. Eaton—Ora Overholser, secretary; L. C. Taylor, H. E. Eswine, judges.

## OKLAHOMA.

Nov. 24-30. Tulsa—Guy L. Reed, secretary; Adam Thompson, judge.  
 Dec. 2-6. Kingfisher—G. J. Mitchell, secretary; R. H. Searle, judge.  
 Dec. 3-6. Elk City—C. B. Garlow, secretary.  
 Dec. 8-13. Woodward—C. C. Hoag, secretary; G. D. McClaskey, judge.  
 Dec. 11-13. Sulphur—H. W. Broadbent, secretary; Geo. C. Winans, judge.  
 Dec. 15-20. Hobart—Harry L. Bretch, secretary; Adam Thompson, judge.  
 Dec. 15-20. Perry—J. F. Tobin, secretary.  
 Dec. 16-20. Hydro—Mrs. Lulu G. Thralls, secretary; A. J. Myers, judge.  
 Jan. 26-31. Enid—I. W. Scherich, secretary; C. H. Rhodes, C. A. Emory, judges.

## OREGON.

Nov. 24-28. Eugene—L. R. Kerns, secretary; Corey, Keeney, judges.  
 Dec. 1-6. Portland—W. L. Fuller, secretary.  
 Dec. 16-19. Salem—Mrs. Ella Plank, secretary; C. G. Hinds, judge.  
 Jan. 7-9. Heppner—W. C. Cox, secretary; Keeney, judge.

## PENNSYLVANIA.

Nov. 24-30. Pittsburgh—A. J. Henning, secretary; Wm. F. Auerswald, Chas. H. Moore, judges.  
 Nov. 25-28. Williamsport—McCormick Dawson, secretary; Henry P. Schwab, Richard Oke, Charles Nixon, J. C. Punderford, Herman Sonder, judges.  
 Nov. 25-29. Mount Carmel—Thomas F. Owens, secretary; Heller, Rosenow, judges.  
 Nov. 25-29. Myerstown—H. P. Spannush, secretary.  
 Nov. 25-29. Spring City—Frank Kline, secretary; Fell, Bean, Poley, Hoffman, judges.  
 Nov. 26-29. Mohnnton—J. H. Fichthorn, secretary; Geo. W. Webb, judge.  
 Nov. 25-29. Dallastown—C. R. Gibson, secretary.  
 Nov. 26-29. West Chester—Frank W. Temple, secretary.  
 Dec. 1-6. Vandergrift—Joseph McFetridge, secretary; J. D. Koons, judge.  
 Dec. 2-6. Coraopolis—A. C. Schlumpf, secretary; Kummer, Cook, judges.  
 Dec. 2-6. Pottsville—J. W. Beck, secretary.  
 Dec. 9-12. McDonald—A. V. Campbell, secretary; W. B. Culley, judge.  
 Dec. 10-12. Hughesville—Geo. Hoffman, secretary; F. G. Weil, judge.  
 Dec. 9-13. Union City—J. F. Duncombe, secretary.  
 Dec. 10-13. Beaver—J. M. Ecoff, secretary; Poole, Mohr, Kummer, judges.  
 Dec. 10-13. Douglassville—Chas. G. Rhoads, secretary.  
 Dec. 10-13. Amityville—Chas. G. Rhoads, secretary; Wm. B. Miller, W. B. Wisler, judges.  
 Dec. 10-13. Lebanon—Sam Black, secretary.  
 Dec. 16-19. St. Marys—F. D. Lambert, secretary; F. V. L. Turner, judge.

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Garden**  
 "America's Leading  
Show" 1888-1913

**25th Annual Exhibition**  
 Will Be Held In

**Madison Square Garden**  
 New York

**December 26th to 31st, 1913**

Inclusive

**Entries Close December, 11, 1913**

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**Entries close Dec. 27, '13**  
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Dec. 16-20. Philadelphia—Frank E. Gilbert, secretary.  
 Dec. 16-20. Uniontown—J. K. Ritenom, secretary; Cornman, Oswald, judges.  
 Dec. 16-21. Watertown—C. S. Shaw, secretary; N. W. Peters, judge.  
 Dec. 22-27. McKeesport—W. W. Sloes, secretary; Geo. H. Northup, Geo. W. Webb, judges.  
 Dec. 23-27. Evans City—Victor A. Barnhart, secretary; F. A. Kummer, judge.  
 Dec. 30-Jan. 2. Lewistown—R. S. Foster, secretary; H. Kenner, judge.  
 Dec. 31-Jan. 3. Biglerville—O. C. Rice, secretary; Cornman, Wiles, judges.  
 Dec. 31-Jan. 3. Kutztown—Jacob C. Koch, secretary.  
 Jan. 5-9. Warren—L. E. Conroy, secretary.  
 Jan. 5-10. Johnstown—W. S. Krise, secretary.  
 Jan. 5-10. Canonsburg—W. L. Arnold, secretary; Whitaker, Auerswald, judges.  
 Jan. 6-10. Butler—David H. Rankin, secretary; A. F. Kummer, judge.  
 Jan. 13-16. Johnsonburg—C. J. Bittles, secretary.  
 Jan. 13-16. Stroudsburg—E. M. Paxton, secretary.  
 Jan. 13-17. Greensburg—R. M. Zundell, secretary; J. D. Koons, judge.  
 Jan. 19-24. Pittsburgh—W. P. Craig, secretary; W. S. Russell, W. C. Pierce, A. Fred Kummer, D. W. Young, Fred H. Cook, A. H. Emch, C. D. Cleveland, L. Rawnsley, G. W. Webb, Theo. Hewes, Marcus Allen Northup, A. J. Edwards, E. F. Baldwin, judges.  
 Jan. 19-24. Wilkes Barre—E. B. Harris, secretary.  
 Jan. 27-31. Altoona—H. S. Wertzberger, secretary; A. F. Kummer, O. E. Miles, P. A. Sheid, judges.

**RHODE ISLAND.**

Dec. 11-13. Westerley—Roger F. Dunham, secretary; Stanton, Ballou, Shove, judges.  
 Dec. 17-20. Wakefield—Frank E. Ennis, secretary; Paul V. Ives, Daniel J. Lambert, judges.

**SOUTH CAROLINA.**

Nov. 26-28. Darlington—H. L. Harlee, secretary.  
 Dec. 30-Jan. 2. Chester—H. S. Adams, secretary; Brown, judge.  
 Jan. 12-16. Woonsocket—Mrs. M. P. Webster, secretary; A. B. Shaner, judge.  
 Jan. 26-30. Mitchell—Wm. Scallin, secretary; A. C. Smith, F. H. Shellabarger, judges.

**SOUTH DAKOTA.**

Dec. 8-12. Sioux Falls—Roy W. Sherwood, secretary; F. E. Harrison, judge.

**TENNESSEE.**

Dec. 8-13. Chattanooga—E. C. Barnes, secretary.

**TEXAS.**

Nov. 22-29. Fort Worth—Emmett Curran, secretary; H. B. Savage, Tom H. Woods, judges.  
 Nov. 24-29. Taylor—E. C. Trauernicht, secretary; C. P. Van Winkle, judge.  
 Nov. 25-27. Honey Grove—W. T. Bowers, secretary; D. G. Coffman, judge.  
 Dec. 1-6. Dalhart—Roy McDonald, secretary; Snyder, judge.  
 Dec. 3-6. Greenville—G. A. Wilson, secretary.  
 Dec. 9-12. Cleburn—J. S. Hoffman, secretary; Geo. M. Knebee, judge.  
 Dec. 10-14. Victoria—F. F. Aschbacher, secretary; N. G. Crews, J. W. Davis, judges.  
 Dec. 18-20. Gatesville—F. A. Stroy, secretary; C. P. Van Winkle, judge.  
 Jan. 14-18. San Antonio—Ed. M. Steves, secretary.

**VERMONT.**

Dec. 2-4. Bellows Falls—G. S. Bucton, secretary; Brundage, Ives, Beebe, judges.

**VIRGINIA.**

Dec. 2-6. Roanoke—F. J. Gormican, secretary.  
 Dec. 16-20. Warrenton—H. M. Hubbell, secretary.  
 Jan. 6-9. Norfolk—Paul W. Kear, secretary; Chas. Nixon, Fred Huyler, judges.  
 Jan. 13-16. Lynchburg—R. H. Anderson, secretary; Newton Cosh, judge.

**WASHINGTON.**

Dec. 1-7. Hoquiam—T. P. Horn, secretary; Coats, Hinds, judges.  
 Dec. 10-13. Kennewick—R. C. Mounsey, secretary; Elmer Dixon, judge.  
 Dec. 15-20. Bellingham—Fritz Reither, secretary; Coats, Breed, judges.  
 Dec. 22-28. Spokane—Ira P. Whitney, secretary.  
 Dec. 29-Jan. 3. Colfax—E. H. Rosenkranz, secretary; F. W. Breed, judge.  
 Dec. 30-Jan. 3. Tacoma—Wm. Shipherd, secretary; James A. Tucker, judge.

**THE GREAT ELGIN SHOW**

Elgin, Illinois, January 5-11, 1914

Uniform Cooping.

Send for Premium List.

Comparison Judging.

CHRIS. H. LEITNER, Sec'y, Route 4, Box 801, ELGIN, ILLINOIS



Enter your birds for these cups and ribbons

**9th Annual Cleveland Poultry and Dog Show**

GIVEN BY CLEVELAND FANCIERS CLUB

**December 2-3-4-5-6-7**Before the holidays, instead of  
after, insuring bigger crowds**AT CLEVELAND'S BIG AUDITORIUM  
(THE WIGMORE COLISEUM)**

Contains over an acre and a half of floor space just off fashionable Euclid Avenue, three times as large as Central Armory. In heart of shopping district. Near 10 car lines. Perfect heat, light and ventilation. Poultry and dogs will have their own sections, large judging rings, plenty of seats.

Entry fees { Singles \$1.00  
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**Big Cash and Special Prizes This Year**

Admission 25c instead of 50c, insuring 50,000 people

Entries for poultry close Nov. 20. No time to lose. Fill out the coupon and get premium list and entry blank by return mail.

**J. T. CONKEY, Sec'y**

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Cleveland, O.

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☐ Dogs

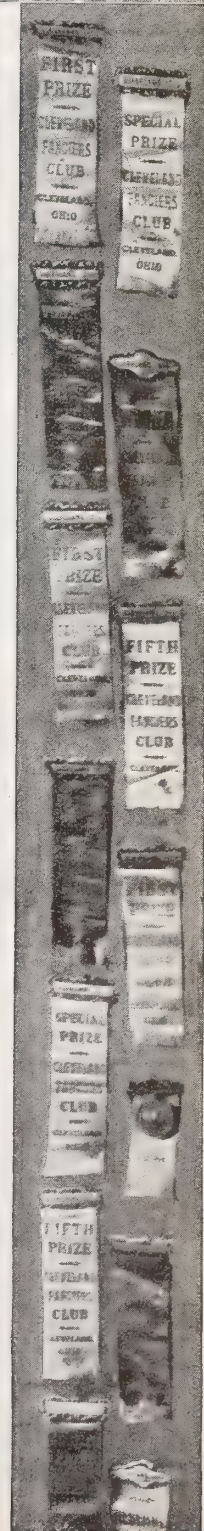
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## Golden and Buff Wyandottes

My stock just won at Ill. State Fair as follows: Golden, 3d and 5th cock; 1st and 3d hen; 1st and 3d cockerel; 1st and 2d pullet, and 1st pen. Buffs, 4th cock and 5th cockerel. Write at once if you want show birds for this season. Mention American Poultry Journal.

J. S. Pennington :- Box A :- Plainfield, Illinois

## Palace Show New York City

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NOVEMBER 15, '13

L. D. Howell, Sec'y, Mineola, N. Y.

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Direct  
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1500  
Chicks  
Successfully  
Brooded around one Stove

## BROODER STOVE

## Have You Decided on ? Your Brooding System

Why don't you investigate this brooding system? It will save you 90 per cent of your labor—it will save you 75 per cent of your operating expense, and it will raise for you 20 to 50 per cent more chicks than is possible with old fashioned apparatus.

Now is the time you should investigate and decide upon the best brooding system for your coming season and to figure on your building before the cold weather sets in.

Just think what it will mean to you to adopt a system that costs you only one-fifth as much as brooders—that you can operate in almost any room—that saves nine-tenths of your time and work—and that nearly doubles the number of chicks you raise.

**The "Simplex" Eliminates White Diarrhoea**  
Read this letter, it proves that we know what we are talking about when we say the "Simplex" will prevent White Diarrhoea.

Send for free catalog that is full of valuable information and that explains the Simplex method. We will send you, with it, a book of testimonials that prove every claim. A post card will do. Write today.

Chicago, Illinois, April 9, 1913.  
Simplex Brooder Stove Co.,  
Grand Rapids, Michigan.

Gentlemen:—Enclosed please find my check for \$29.50 in payment for brooder stove shipped me on the 7th. This is the second stove I have purchased from you this season, and of course the last one is purchased because the first one is doing the work. The stove works entirely satisfactory, and does all that you claimed it would do. I believe you have solved the bothersome problems in brooding. The stove has entirely eliminated White Diarrhoea from which I suffered heavy losses, losing 50 per cent of my hatch. The losses with the stove have been very small. Very truly yours,

Judge J. C. Everett.  
Farm at Holland, Michigan.

## Simplex Brooder Stove Co.

220 Fourth Street, N. W. :: Grand Rapids, Michigan

### WEST VIRGINIA.

Nov. 25-28. Keyser—W. C. Pifer, secretary; Jacob Eberly, judge.  
Dec. 30-31. Buckhannon—A. S. Watkins, secretary; M. M. Barger, judge.  
Jan. 6-10. Morgantown—E. M. Dille, secretary; S. G. Case, judge.  
Dec. 24-27. Martinsburg—John J. Hetzel, secretary.  
Jan. 8-14. Charleston-Kanawha—Julian C. Byrd, secretary; R. L. Simmons, Percy Cook, judges.  
Jan. 19-24. Fairmont—C. E. Smith, secretary.  
Jan. 26-31. Wheeling—Thomas H. Meek, secretary; Northrup, Auerswald, judges.

### WISCONSIN.

Dec. 2-8. La Crosse—Wm. H. Hoeschler, secretary; Hoffman, Rountree, judges.  
Dec. 4-7. Manitowoc—A. P. Schurian, secretary; Geo. M. Wells, George Ewald, judges.  
Dec. 4-8. Watertown—Albert R. Zier, secretary; W. H. Laabs, judge.  
Dec. 8-11. Wittenberg—W. E. Puchner, secretary; Elmer Gimlin, judge.  
Dec. 8-13. Independence—Walter E. Sprecher, secretary; Henry Hess, judge.  
Dec. 9-12. Cambridge—A. L. Fosse, secretary; Geo. W. Hackett, judge.  
Dec. 9-14. Monroe—G. W. Wilkinson, secretary; G. W. Hackett, judge.  
Dec. 10-15. Fond du Lac—O. E. Born, secretary; Geo. M. Wells, judge.  
Dec. 10-14. Oconomowoc—R. M. Hadley, secretary; James A. Tucker, judge.  
Dec. 16-20. Bangor—E. Williams, secretary; Laabs, judge.  
Dec. 29-Jan. 2. Mukwonago—R. J. Porter, secretary; W. H. Laabs, judge.  
Dec. 30-Jan. 2. Rudsburg—H. D. Kelley, secretary; Geo. H. Northup, judge.  
Jan. 5-9. Madison—J. G. Halpin, secretary; G. W. Hackett, W. S. Russell, judges.  
Jan. 5-9. Lake Geneva—G. B. Stannard, secretary; Chas. V. Keeler, judge.  
Jan. 5-10. Mineral Point—Allen Tucker, secretary; Carl Dare, judge.  
Jan. 6-9. Stanley—F. W. Starr, secretary; W. H. Laabs, judge.  
Jan. 7-14. Sparta—J. L. Herbst, secretary; L. C. Taylor, judge.  
Jan. 8-11. Plymouth—W. E. Beiersdorf, secretary; Geo. M. Wells, judge.  
Jan. 12-18. Racine—E. J. Amundsen, secretary; R. V. Hicks, G. W. Hackett, judges.  
Jan. 15-17. Barron—John West, secretary; Hackett, judge.  
Jan. 20-24. Superior—W. A. Roycraft, secretary; Geo. W. Hackett, judge.  
Jan. 21-25. Green Bay—Elmer Schults, secretary; Earl Hemenway, judge.  
Jan. 25-26. Oshkosh—Frank L. Pugh, secretary; Geo. W. Wells, judge.  
Jan. 24-29. Beloit—F. M. Walker, secretary; J. M. Rapp, W. H. Laabs, judges.  
Jan. 26-30. Manawa—A. C. Lindsay, secretary; W. H. Laabs, judge.  
Jan. 27-31. Waukesha—Elmer M. Webb, secretary; J. C. Johnston, judge.  
Jan. 28-Feb. 1. Wausau—L. H. Cook, secretary; George W. Hackett, judge.  
Jan. 29-Feb. 1. Appleton—R. E. Carneross, secretary; Geo. M. Wells, Chas. McClave, judges.  
Feb. 9-14. Waupaca—F. A. Houseman, secretary; G. D. Holden, judge.  
Feb. 11-15. Sheboygan—Geo. L. Spratt, secretary; Hackett, Borchardt, judges.

### WYOMING.

Dec. 31-Jan. 3. Cheyenne—C. F. Smith, secretary; D. A. Stoner, judge.

**Free Book Offer** ON INSIDE  
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SEE THIS NEW

## Poultry Band



**The Kind That's Different**

Write for free sample of Stevens colored and numbered band for poultry (states your breed of fowls so we can send the correct size). This band is revolutionizing marking. Made of aluminum and celluloid. Made for baby chicks and pigeons. Free catalogue giving full particulars and prices.

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# Associations and Shows

*Secretaries are Requested to Send in News Items of Interest About Their Shows for This Department*

## Specialty Clubs to Meet at Chicago.

The Partridge Plymouth Rock Club will hold their annual meeting December 15th and more than \$100 in specials is offered. This should be the greatest show of Partridge Plymouth Rocks ever caged in this country.

The Black Langshan Club holds its meeting in Chicago and has \$150 in prizes offered, also a box of silverware, donated by Mr. Franklin L. Sewell for the best trained and conditioned Black Langshan. This special will be known as the Sewell trophy and should be the most valuable prize ever won at this exhibition.

A number of other specialty clubs are now voting on a place of meeting and will be announced in our premium list.

Write at once to the secretary for list, which will be ready for mailing November 1st. Remember entries in all departments close November 25th at 12 o'clock noon. A day late means the return of entries. Be on time. For full information, address Theo. Hewes, secretary, Indianapolis, Ind.

## The Light Brahmas.

Eleven wise men followed the "star" of the feathered race to Philadelphia and put up one of the grandest exhibitions ever seen in the history of the Light Brahmas. Thanks to the American Light Brahma Club, this good old breed is getting a small portion of the boom it rightfully deserves.

The following officers were elected during the club meeting at this show: President, J. W. Shaw, Brockton, Mass.; vice president, Joseph Elias, Philadelphia, Pa.; secretary-treasurer, Frank P. Johnson, Station "A," Indianapolis, Ind.; assistant secretary, Isaac R. Hinchman, Merchantsville, N. J.; executive committee, C. I. Balch, Manchester, Conn.; A. E. Wohler, Narberth, Pa.; Frank L. Platt, Toledo, Ohio; George W. Flecher, Belmont, Mass.; George Underhill, Fort Ann, N. Y.

The next annual meet of the club is to be held at Boston, and inasmuch as New England has always been the hotbed of the Light Brahmas, we may safely look forward to the greatest and grandest display of Light Brahmas the world has ever seen.

Let each and every one of us, who is interested, put our shoulder to the wheel of justice due the Light Brahmas and boost with all our might—make the entries in our class at Boston the largest and best ever shown by a single breed. This can be accomplished if each one helps, even if only a little. The club is trying hard to raise a large amount of cash for specials, and looks hopefully forward to the sum of \$500 or more. This should make every breeder sit up and take notice, and bring out a large class.

Secretary Johnson says: "Let every member who feels duly interested in the cause contribute to the specials, either cash, cups or some useful article in the way of merchandise. And to save time in correspondence, please address all contributions to Mr. C. I. Balch, Manchester, Conn., who is chairman of the executive committee, having full charge of placing the specials."

We are glad to see the Light Brahmas taking on new life and forging toward the front again. There is no good reason why they should not be the most popular breed today. The reason that they are not is because they were not a "new thing" and have not been fortunate enough to "catch" a Kellerstrass. They are the best general purpose fowl; the best winter layers; great "summer" layers; best table fowl; quickest growers; great foragers; very hardy; easily confined; the largest breed, and the most beautiful birds on earth.

If you happen to be one of those interested in Light Brahmas who for some unaccountable reason have not joined the American Light Brahma Club, we most

respectfully urge you to send stamps at once for the new club catalogue, to Frank P. Johnson, Station A, Indianapolis, Ind. Or, better yet, send a dollar for membership and one year's dues. The catalogue is the best ever issued by the club—"hats off" to Mr. Johnson—yes, it's full of interesting and helpful matter from cover to cover.

## Notice to Black Langshan Breeders.

If you are interested in this grand old Asiatic fowl you are at least given an opportunity to show your interest by joining the National Black Langshan Club, or contributing some cash specials for the Chicago show, December 12-17, 1913. It is the intention of the club to make this the largest class at this great show and we have every assurance from the association that the most liberal cash prizes will be paid, provided that we, as members, show our willingness to co-operate with them with cups and cash specials.

Through our efforts the association has employed Mr. Franklin L. Sewell to place the awards at Chicago and every breeder in the country knows what this means to Black Langshans.

In addition Mr. Sewell will offer a prize to be known as the "Sewell Trophy"

for the best conditioned Black Langshan, male or female. This trophy should be the most valuable prize ever awarded in America on this breed. For full particulars in reference to club membership address me at Cedar Rapids, Iowa.—John A. Rhodes, secretary-treasurer.

## To Breeders of Blue Andalusians.

During the past year there has been a growing sentiment among Blue Andalusian breeders throughout the United States toward the organizing of a club to promote the interests of our most useful and beautiful bird. Scores of names and quite a sum in cash were received by me some months ago. The cash was returned, as I was unable to attend to the matter of organizing the club at that time.

Mr. William Udell, my manager, and myself have lately received word from some of the state secretaries of the A. P. A., inviting us to make their show our headquarters for the organizing of such a club, and if the Andalusian breeders would get together and make a good entry, they would offer some specialties. The time is now ripe to make a start, and as the Empire Poultry Association has invited us and has promised a good list of premiums, I take pleasure in issu-



**THE DE GRAFF FARM**  
**THE LEADING R.I. RED SPECIALIST OF AMERICA.**  
**THE FINEST POULTRY CATALOGUE EVER PUBLISHED.**  
 STOCK & EGGS FOR SALE  
 S. C. & R. C. RHODE ISLAND REDS  
 PLEASE SEND FOR MY CATALOGUE

## Walker's Barred Rocks

Claim the stamp of superiority by winning at the Great Illinois State Show 1913, 1st pen, 1st hen; 2nd cockerel; 5th pullet; 2nd, 3rd pullet bred cockerel, also winning the Champion Cup for best display of Barred Plymouth Rocks at the Ill. State Fair, Oct. 1913—they again claim the stamp of approval by winning 1st cock; 2nd cockerel; 2nd, 3rd pullet; 1st, 2nd pen. We have 400 from which to select your exhibition and breeding stock, every bird positively guaranteed. Describe what you want. Mention A. P. J.

G. A. WALKER

POLO, ILLINOIS

## 3-LEADERS-3

Eaton's Climax Grain Mixture  
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Each of the above has by merit alone won the distinction of being an everyday staple for the Poultryman. Our booklet FREE. Your dealer or

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# ALLENTOWN

**Has Surrendered All Her Highest Awards, Cups, Etc., to Our**

## S. C. R. I. REDS

At this great 1913 show with the largest and best entry ever recorded, we won first cock, first and second hens, first and third cockerels, first pullet, first pen, first display, \$60 cup for best Rhode Island Red, the sweepstake for best Red male or female, etc., etc., This is a modern record made by our modern up-to-date line.

### This Stupendous Sweep

Is but a repetition of our last year's winnings when they led all others at Philadelphia, Cleveland and Pittsburg by winning 13 out of a possible 15 first prizes competing in the largest and strongest classes of the year. (Look up these records.)

### At Philadelphia, Cleveland and Pittsburg

Our First Prize Cockerel Was Awarded the Championship Sweepstake Special for

### THE BEST MALE IN THE ENTIRE SHOWS

This Record Stands Alone and Unapproached by Any Breeder and of Any Line

Our Allentown winnings prove we again have the winning quality for any show. Having 1,300 youngsters ripening with an evenness of color and highest merit, we are prepared to fill your wants to your perfect satisfaction in either old or young. We offer early birds fit to win now. Selected breeding birds mated for results a specialty in pens, trios or in larger lots. Write us your wants please. It is no trouble to quote you prices and give any desired information. Mention A. P. J.

### Schenley Heights Poultry Farm

C. F. Rankin, Proprietor

1202 Commonwealth Building, Pittsburg, Pennsylvania

ing a call to the Blue Andalusian breeders to meet December 4 at 11 o'clock at the "Lucky Seventh" show at the Grand Central Palace and to exhibit their best specimens there. It is with much hesitation that I send out such a call as this, but I feel that the breeders who have written to me are back of me in my desire to have such a club started and I want to start the ball rolling.

I will donate \$20 for a special prize. If any breeders wish to donate cash, ribbons or stock and will so advise me, I will arrange with the club secretary. Will you write me, telling me if you will exhibit and if you will attend the meeting? If not the latter, be sure to send an exhibit.—E. D. Bird, Greenwich, Conn.

#### National White Wyandotte Club.

The National White Wyandotte Club, probably the largest specialty poultry club in the world, will offer a set of five handsome silk ribbons during the coming show season at all shows possible. These ribbons will be for competition by club members only, and will be placed for best cock, hen, cockerel, pullet and pen. Show secretaries desiring these ribbons placed at their shows are requested to make application for same at once to A. J. Geis, secretary-treasurer, Delmar, N. Y.

Every breeder of White Wyandottes should be a member of the National White Wyandotte Club. The club issues a handsome Year Book which will be sent free to any White Wyandotte breeder upon application to the secretary. One dollar pays the membership fee and first year's dues, and all those who join now will be credited with a paidup membership to October 1, 1914.

#### Columbian Wyandotte Breeders.

The club show of the National Columbian Wyandotte Club will be held in connection with the Flower City Show of the Flower City Poultry & Pigeon Association, Inc., of Rochester, N. Y., during the week of December 15-20, 1913, and all members are urged to do their share to make our national meet a grand success, both by offering cash specials and by making an entry. It is planned to have \$200 in cash specials and numerous cups and over 300 birds at the show. J. Frank Van Alstyne has been voted to do the judging. Further information will be gladly given by Ralph Woodward, secretary, Grafton, Mass.

#### The International Ancona Club.

With deep regret the resignation of the recently elected secretary and treasurer of the International Ancona Club, Mr. B. D. Cutting, has been accepted.

Mr. Robert A. Tierney, 1555 East 82nd St., Cleveland, O., has been appointed to fill the vacancy. Mr. Tierney is well qualified for the position, so we may look forward to great things from the International. He will doubtless make up the ground lost through the protracted illness of our former secretary, Mr. McNary. Club membership fees are \$1.00 per year. H. Cecil Sheppard, Berea, O., president.

#### To Polish Breeders.

The International Polish Club has voted to hold its first annual national meet with the Flower City Poultry & Pigeon Association's "Flower City Show," Rochester, N. Y., during the week of December 15-20, 1913. All Polish breeders are invited to join the club and share in its benefits and give a lift to the boom for the return of the crested beauties. If all those interested will make at least a small entry we shall have a class of Polish that will be remembered for a good many moons to come. Pledges of cash and cups, as well as promised entries, are very gratifying, but the more the better. I earnestly solicit your support.—M. V. Caldwell, secretary, Lisbon, Ohio.

#### Attention Langshan Breeders.

The National Black Langshan Club will offer ribbons and special premiums at every poultry show in America this season; you should be able to compete for these club specials; to do so you must be a member in good standing. The annual dues are \$1, which will pay you up to October 1, 1914. Our Year Book will be out soon and your name should be in it. We still have some advertising space for sale. Address John A. Rhodes, secretary, Cedar Rapids, Iowa.



**Langhan Breeders, Attention.**

In addition to the big Mid-West show at Chicago, the National Black Langshan Club of America has voted to hold its annual national meet with the "Flower City Show" of Rochester, N. Y., December 15-20, 1913. While the dates of the two shows conflict somewhat it is expected that this in the end will turn to good fortune for the club, providing the members will jump into the harness and make good entries at either or both shows, by giving us the splendid advertising that we can hold two big events the same week and fill the classes to overflowing in both places.

In forwarding your specials, which must be done at once, please state where you wish them placed and let us divide them proportionately and justly.

Now, breeders, here is your opportunity. You know they say she calls but once each lifetime. Open your door and invite her cordially. Send me your cash special or cup offering and say you will show. —John E. Rhodes, Secretary, Cedar Rapids, Ia.

**"Spanish Lovers."**

Not lovers from Spain, but those who have an undivided love deeply rooted for the noble White Face Black Spanish Fowls. Our first Club Show is to be held in Rochester, N. Y., in connection with the big Flower City Show there and I plead with you in all sincerity to help me bring our chosen breed forward and on the top, where you know so well, it belongs. All breeders should send in their names at once so a Premium List may be forwarded to them; also that they may be enrolled, and to swell the classes we will have to offer some specials. It has been suggested that if each member would give a dollar bill we would have a beautiful list, but a large list of specials or no specials, it certainly behooves us all to make an entry to boom the club and the breed, for if we fail now we will have a very thorny path to travel. Let's all do our very best. —M. H. Lindsay, Secretary, Northville, N. Y.

**Anconas at Kansas City.**

The Missouri members of the Ancona Club of America will hold their first State Meet at Convention Hall, Kansas City, Missouri, in connection with the joint Kansas City, Missouri, State Show, December 11th to 16th, 1913. Two handsome silver cups, and cash and other specials are offered, besides the regular cash premiums given by the Show. Every effort is being made to bring out the largest class of Anconas ever on exhibition at any show held in Missouri. Anconas are becoming very popular in Missouri, and you should send a few of your best birds to the above show.

**Attention Buff Wyandotte Breeders.**

The members of the American Buff Wyandotte Club have voted to hold their national meet with the Flower City Show of the Flower City Poultry & Pigeon Association, Inc., Rochester, N. Y., December 15-20, 1913. We earnestly solicit the full support of the members and friends of the breed to do all in their power to make the meet a notable success. This they can do by offering specials and making an entry. We are looking forward to the largest class in the show and the largest entry in the history of our club's national meets. Please to do your part.—J. E. Wilmarth, secretary, Amityville, N. Y.

**All Show Secretary Copy.**

The National Silver Penciled Wyandotte Club will offer their handsome set of club ribbons for the best cock, hen, cockerel, pullet and pen at all shows that run their notice in their premium list. To win these ribbons there must be at least two members in competition. Initiation fees, \$1; annual dues, \$1. Dues must be paid before the show.—James S. Wason, secretary and treasurer, 1460 Genesee street, Grand Rapids, Mich.

**Campine Club Meeting.**

The annual meeting of the American Campine Club will be held during the Philadelphia Show, Dec. 16-20, 1913. F. L. Platt will judge the Campines. For entry blanks and premium list address F. E. Gilbert, secretary, Mint Arcade Building, Philadelphia, Pa. Cash specials will be offered and a win at this show will be "worth while."

The American White Orpington Club is offering this season at all of the Poultry Shows in the country handsome white silk club ribbons with gold fringe on the best cocks, cockerels, hens and pullets, and an engraved medal for best pen, and at many of the state shows beautiful silver cups. To compete for any of these specials, you must be a member of the club in good standing with all dues paid in full. The initiation fee, which includes the first year's dues, is only \$1.00, or life membership \$10.00. Application blanks, club book, and full information can be had of the Secretary, F. S. Bullington, Box 328, Richmond, Va.

The Club book issued by the American White Orpington Club this year is recognized as one of the best issued by any of the specialty clubs. It is full of information on White Orpingtons from cover to cover and every breeder of White Orpingtons should read the same. This club is one of the strongest in the country and growing steadily all the time. Every breeder of this grand fowl owes it to themselves and the breed to support the club, and become members of the same. Initiation fee is only \$1.00. Copy of club book can be had for 10c, to pay charges, from the Secretary, F. S. Bullington, Box 328, Richmond, Va.

The National Columbian Wyandotte Club members of the State of Illinois will

hold a meeting at the Illinois State Show at Springfield January 5-11, 1914. You are urgently requested to attend and bring your birds. There will be many dollars' worth of special prizes offered by the Club members aside from the regular premiums offered by the Illinois State Show Association. The special prizes that are offered by the Club members can only be won by members. Send in your application for membership to the secretary-treasurer, Mr. Ralph Woodward, Grafton Mass., (with a dollar, which pays all dues for a year), or write L. A. Lee, 2832 North Harding Ave., Chicago, Ill.

The National Rose Comb Orpington Club will hold its next annual exhibit at the Madison Square Garden Show, December 26 to 31, and present indications are that there will be the most extensive exhibition of the different Rose Comb varieties that has ever been shown. The club will give a special club ribbon prize on first cock, first hen, first pullet, first cockerel at all Canadian and United States shows, as well as other specials at some of the larger shows. Every Rose Comb Orpington breeder who is not already a member is requested to send in an application at once to A. R. Brown, Secretary, Melrose Highlands, Mass. One dollar pays all application fees and dues for one year.—H. C. Faulkner, President, Marshall, Mich.

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Winners at leading shows. Sale of breeding stock and young birds at reasonable prices.

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Have a limited number of extra fine show cockerels and pullets for sale from our Madison Square Garden and Boston winners. No more old stock. Remember we won 1st cockerel at Madison Square Garden on 2 entries and 1st cockerel; 1st pullet and 5th hen at the club show, Boston, on 4 entries. Catalogue free. Mention American Poultry Journal. **H. A. KEISTER, R. F. D. 3, Bangor, Michigan.**

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300 hen hatched chicks to supply your wants. All raised from my Buffalo and Guelph winners. Exhibition birds a specialty. Get my price before you place that order for your show birds. Mention A. P. J.

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Single Comb R. I. Reds—Now is the time to drop a card for prices on that show cockerel or pullet. We have the red velvet color that wins. Young stock sired by Chicago and Madison Square Garden winners. **ERNST F. BIRKHOFF** -- **WILLOUGHBY, OHIO**

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Good breeders at bargain prices. Cockerels and pullets that will win for you, they do for me. **ACME POULTRY YARD, C. A. GIFFORD, PROP., RUSK, TEXAS**

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C. S. Valentine, Ridgewood, N. J., president of the Cumberland White Egg Indian Runner Club, has been made American Secretary of the British Indian Runner Club. The price of the Year Book of the Cumberland Runner Club, full of valuable information, has been reduced to 25c. Can be obtained from the Secretary, Wm. C. Gegelman, 435-6th Ave., Pittsburgh, Pa.

The annual meeting of the Cumberland White-Egg Indian Runner Club was held during State Fair week at Syracuse, N. Y., under date of September 9th. Two busy sessions were held and good progress was made. The President's report stated that every definite plan made by the Club at the 1912 meeting had been successfully carried out. Both membership and balance in the treasury are satisfactory in view of the conditions. New members will be gladly welcomed. For further information, write the Secretary, Wm. C. Gegelman, 435-6th Ave., Pittsburgh, Pa.

The American Black Orpington Club will issue their 1914 Year Book soon. In this book will be published the complete names and addresses of every Black Orpington breeder in the world. Every Black Orpington breeder should write to the Secretary at once, giving their complete names and addresses, so that this information can be published without delay. Do not fail to send your name and address to the Secretary-Treasurer, Ora Overholser, Eaton, Ohio.

The Rhode Island Red Club will hold its State Meet in St. Louis Nov. 24th to 29th inclusive at 1015-17-19 Washington Ave., the headquarters of the St. Louis Poultry, Pigeon and Pet Stock Association. We expect the largest display of reds ever held in the west.

The American Cornish Club will hold its Annual Club Show at Warrenton, Virginia, December 16th to 20th inclusive. The inducements, both in cash and plate premiums, are greater than ever before. A modern hall, with excellent light, new cooping, and spacious room, insures each exhibitor prominence, especially as the Association will feature the Cornish Club exhibit. Everyone interested in boosting

the Cornish development will do well to communicate with H. M. Hubbell, Secretary, or Courtland H. Smith, Club Representative, Warrenton, Va., at their earliest opportunity.

National S. C. Black Orpington Club Meet will be held at Pittsburgh January 19-24. In addition to the regular cash and special offerings of the show the Club will offer \$200 in cash, and will give five championship cups, also ten gold medals and ribbons to members winning at this meet. State cups will be offered in nearly every American state, and in every American and Canadian show medals and cups will be offered according to the rules of the club. Those interested in Blacks are invited to send for a free 1913 catalog now ready. The 1914 catalog is nearly ready for the press and those who plan to join the club should do so in time to be enrolled in the club catalog, which now lists nearly 750 members. Dues are \$1 per year and M. W. Brown, Station L, Cincinnati, Ohio, is secretary.

The American Single Comb White Minorca Club offers its five handsome silk ribbons, one each for best cock, hen, cockerel, pullet and pen. To be awarded to any and all club members exhibiting who are in good standing, during the fall and winter of 1913 and '14. A \$10.00 silver cup will be offered where five or more members reside in a state and exhibit in competition at a show in said state. Selection of show to be decided by the members in the state, under the direction of the state vice-president. In order to compete, initiation fees and first year's dues, \$2.00, must be received before first day of show. For further information and club catalog send to C. Augustus Raschke, Secretary-Treasurer, Kingston, N. Y.

### The Great Allentown Fair.

With a week of most delightful weather, the great Allentown Fair has placed another notch to its long line of popular successes with a poultry exhibit of highest merit and one of undoubted value to the industry. Year by year this show has grown in favor among the breeders and year by year Supt. Wittman has demonstrated his ability and worth; it is he that has made this show what it is, and it is to him we wish to give every credit due. With a very fine exhibition hall and with most liberal cash prizes the breeders flock here to try out their birds and to get a line on the other fellow. The special prizes in cash and cups are attractive and the "Futurity Stakes" a pronounced feature. This year these amounted to \$480, and in the S. C. White Leghorns were \$88, surely a neat sum for the winner to pull down.

Here were seen in most every class birds from the yards of several of our best breeders and in many classes the exhibit was of extraordinary strength and value.

The Exhibitors and Their Winnings.

### The Plymouth Rocks.

The Barred Rocks are always a strong class here and this year were larger than last with 86 birds shown. We were pleased to note the evenness of quality, for every bird was a good one. The Linden Poultry Yards, Dunellen, N. J., proved the leading winner with cock 1, hen 2, cockerel 1, pullet 2, pen 1, and the Futurity on first cockerel. This is the first we have seen of this line and will hope to see it often in future. First cock a wonder in color and barring, just the right shade and a most attractive bird, under very good. First cockerel a strong fellow well shown and a good winner. Cock in first pen also a beauty, very near as fine as the first prize winner. In these two birds they have two reliable birds to bank on for breeding next spring. In this pen was seen their best hen, not wholly finished but enough to show her beauty quality.

First pullet went to our old friend, Mr. S. S. Bossert. He also exhibited two others of great worth.

Mr. Jas. T. Huston, Williamsport, Pa., won second pen on his only entry. The pullets were grandly matched, of even quality and well shown; the male was passed his best (cock) here.

In White Rocks there was the usual contest between several well-known breeders with the Fairfield Farms, Fairton, N. J., winning cock 1, hen 5, cockerel 1-4, pullet 2 and pen 2. Both the winning cock and cockerel were grand birds in type and about at their best.

The Koons Farms, Treichlers, Pa., were handicapped some in condition and finish of the birds at this time. This is the

oldest line of White Rocks we know of in this state and we have very often chronicled their winnings in the past. Here they won cockerel 2, pullet 3-4 and pen 3.

Mr. A. L. Russell, Washington, N. J., whom all our readers know, won cock 5, hen 2 and pen 1 with no young birds shown. The winning pen was one of extreme beauty and quality.

Buff Rocks a very fair sized class. Partridge Rocks a very clean and well shown class. Columbian Rocks very fine in quality. Here Mr. L. P. Graham made almost a sweep by winning all firsts but one. His line shows extra well in wing, hackle and tail color and markings.

### Wyandottes.

In White Wyandottes the class abounded in finished birds and quality; it looked like the great classes seen at the winter shows, for here were cockerels and pullets fully matured and finished to

Whatever you need in

## R. C. Reds

Address, C. E. RILEY, 431 Fargo Ave., Buffalo, N. Y.

## Skinner's Standard White Wyandottes

Have been winners at Indianapolis, Ind., and the leading mid-west shows for the last ten years and they will be winners for you.

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And my hens are singing, laying, happy and healthy

By its use a hen may be MADE to LAY her entire life crop of eggs in one or two years. The normal time is five years.

It does not INJURE the hen. It directions are followed it SAVES all the COST of OYSTER SHELL, all the COST of BEEF SCRAP, and all the COST of CHARCOAL. It contains no pepper, mustard, waste, or other injurious substances.

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Five pounds of PRESCRIPTION NO. 4 contains more egg making material than a ton of oyster shell and 25 lbs. of beef scrap combined.

It insures FERTILITY in

Breeding Stock It insures HIGH VITALITY in the egg so that WHITE DIARRHOEA does not appear at hatching time.

Try it four months

and you will get more eggs than you ever have before in the same length of time and season of the year. Five pounds for \$1 and your MONEY BACK if you are not satisfied after using. Sample carton, 1 lb., 25c. Liberal reduction on 50 and 100 lbs. in bulk. Mention Am. Poultry Journal.

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ACTUALLY DOES CURE ROUP

Even the worst cases, even DIPHTHERITIC ROUP and CANKER. We don't care how bad the case is so long as the bird is not in the last gasps of death.

ROUPENE WILL CURE and leave no weakening or bad after effects in the bird or its progeny.

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ROUPENE not only cures Roup, Canker and Diphtheritic Roup, but it also cures Sorehead, Limberneck, Colds and Pip. 50c and \$1 per bottle. At dealers or mailed by us on receipt of price.

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Stamped Out Epidemic of Roup and  
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"The first epidemic of Roup and Chicken Pox I ever had broke out on range this Fall, but with Roupene I have been able to cure every case of Chicken Pox with only one application, and have stamped out the Roup without losing a single bird. I have just put 600 hens into one house,

allowing only 1 1/2 ft. to a fowl. They were "raised" on Whiting's White Diarrhoea Remedy, and I am using O. K. Litter in the house."

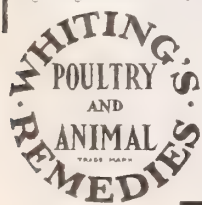
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NEW YORK





perfection. Onlya Farm, Florham Park, N. J., exhibited four cockerels of surprising finish and fit to win at our best; here they won cock 4-5, hen 1, cockerel 1-2-5, pullet 3-5, pens 1-3; also the Futurity Stakes on their first cockerel and other specials. This bird was a show feature for with his excellent conditions and finish he had wonderful type. Back and breast of the best, tail full and neck finely arched, second close up and a rare fine bird in every way, all were strong fellows and stand well. Their first pen evenly mated and headed by another beauty male. It was a great display of great birds by one of our best breeders and Manager Chas. Staaff deserves much credit.

Mr. A. J. Fell, the "Wyandotte Wizard," West Point, Pa., was here to reckon with and a contender for honors, winning cocks 1-2, hen 4, cockerel 3, pullet 1-4, pen 2, and specials. The winning cock was as rare a bird in quality and condition as we have ever seen at this season, a stunner in every way, with second also showing well. His cockerels were rather young and were unfinished, time alone will show them to advantage. First pullet a gem, just the kind we like, and at her best. Pen a very fine evenly balanced one. In these and in hens the judge had very close work in picking, for there were several entries of the highest merit. Mr. Fell's whole display was one of class and a great credit to his line. They are, as we said years ago, consistent winners with pronounced character in every bird.

Columbian Wyandottes an excellent class in numbers and quality alike with the Wilburtha Farms, Dr. Rittenhouse, H. B. Miller, etc., winners.

### Rhode Island Reds.

The Single Combs were one of the largest classes at the show with 93 birds shown and the Schenley Heights P. F., Pittsburgh, Pa., making a clean sweep of all five (5) first prizes, championship cup for best R. I. Red, specials, etc. Mr. Rankin surely deserves special credit for this record made. His birds were shown in grand condition and with a quality most sure to win. First cock a noble "Red Man," exquisite surface and under; first hen the "Gem" of the class; first

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You can count on the four fingers of one hand every poultry raiser in the world who can pick out all the unhatchable eggs before incubation and not use the Magic Egg Tester. Why guess? Why waste money, eggs, space and time? \$2.00 each by mail. Fully guaranteed. Newest incubator methods with each Tester. Illustrated circular sent for the asking.

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## FOR SALE

2000 ORPINGTONS, White, Buff, Black and Single Comb White Leghorns, finest as can be had any where. Winning hundreds of Prizes. If you want bargains write

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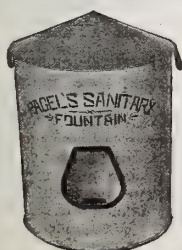
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cockerel also the Futurity winners, while both first pullet and pen were all we could wish for. This line has now made wonderful records for two years and Mr. Rankin has proven he can breed the goods to win, which adds value to his line.

We were pleased to see exhibiting here Messrs. Dearborn and Sharp, also Mr. L. W. Maxon, two of our well known breeders and men of rarest character. Both received liberal mention and both exhibited birds of merit and value. Their lines are sound and have won highest honors at many great shows, and they will win again, as they deserve to.

In Rose Combs much interest was displayed and particularly about the winning cockerel shown by Louis Anderson, a star in color and type.

### Leghorns.

S. C. White Leghorns formed a class of 115 birds and contained many fine specimens, condition not quite up to former years in young classes. The first prize cock shown by the Wilburtha Farms, Trenton Junction, N. J., a royal good one of extra fine head and style and beauty, full tail well carried. These farms also won well in Buff Leghorns and Columbian Wyandottes. We have seen their farms and describe our visits there elsewhere.

The Endicotte Farms made a strong winning in this class by taking hen 1-3, cockerel 1, pullet 2, pen 1, on a superior line of birds well shown.

Other successful exhibitors here were W. C. Wack, S. J. Twyman, F. Fryer, Geo. W. Cisco, Olympic P. F., Maryland Leghorn Farms, etc.

The Buff and Brown Leghorns large classes, the Buffs very strong with many rare birds seen. In the Browns some of the best.

### Dark Cornish.

The Dark Cornish formed one of the feature classes of the exhibit and we doubt if we have ever before seen so many high grade birds in one class. It is evident that the breeders of this variety are sincere and enthusiastic and well they may be, for such classes are bound to make for them hundreds of friends and breeders. Rest assured the Cornish have quality that is practical to commend them, and with Mr. John W. Ward, Jr., at the helm, the people are going to know this and make of them as they so well deserve one of our most popular varieties for they possess the quality that insures profit in poultry.

Mr. Ward's winnings were cocks 1-2, hens 2, cockerels 1-2-4, pullets 1-2-3-4, pens 1-2, with cups and specials. Every one of these birds should be described for they stood out strong in beauty and quality to recommend them. They were real models that must be seen to be fully appreciated, shape and station grand, close feathered and color of the best. Mr. Ward's address is Pennington, N. J. He is the kind of man and breeder we like to recommend.

The Jaquelin Farms won hen 1, cockerel 3 and pullet 5. Other winners were Dartmoor Yards, C. N. Ohl, Dr. W. A. Low and S. T. Avent.

### Orpingtons.

The Aldrich Farms, Columbus, O., with all their great winnings of the past in White Orpingtons, have never made a more worthy record with more worthy birds than their phenomenal winning here. Their stock was a sensation, to say the least. In quality and in conditions every bird was all we could desire. Their winnings are cock 1-2, hens 1-2, cockerels 1-2-3, pullets 1-2, pen 1, futurity prize, \$50 cup for best 10 birds of any variety shown, the Item cup, etc. Both the winning cocks were in prime condition and strong in type. The first cockerel a wonder in shape, color and condition. First pullet an attractive beauty. We saw this line at their home last spring and expected great progress, but they have shown us more than even we dared hope for.

Buff Orpingtons will ever be popular for Buff seems fitted to their style and is in harmony with their gentle character and form. The whole class here was one of unusual high grade and value, the first pen, in fact, of the most desired type and perfect in matched color and form, an extraordinary mating. The Sunswick Poultry Farms, South Plainfield, N. J., well deserve recommendation on that pen of birds for it was class all through. Beside first pen they won cock 3, hens 2-5, cockerel 1-3-4, pullet 4 and specials. Their winning cockerel, a rare beauty, and first pen cockerel were in a class by themselves, very even in color and sound surface and under.

Major Hugh A. Rose was also a prominent winner here, taking cock 1-4, hen 1,

cockerel 2 and pullet 1-3, all birds of merit. First cock was one of extra type and seen to advantage here. In Black Orpingtons Mr. Rose won cock 2-4, hen 1-4, cockerel 1-2, pullet 1-2. In Bantams he also was a big winner in his several varieties.

### Other Varieties.

Silver Campines formed a large class with many nice birds seen, type and color are improved. The cockerel shown by Mr. Patterson had an ideal comb and head points. He has the makings. The winners here are Schenley Heights P. F., Dr. J. H. Prudhomme, W. C. Frantz, James Simpson, R. D. Reider. The class numbered 53 birds.

Golden Campines a smaller class but with quality galore, the winners Schenley Heights P. F., A. H. Ballirt and Dr. J. H. Prudhomme.

Houdans small in numbers. Polish and Hamburgs rather scarce and rather good.

The display of ducks numbered 106 specimens, including all varieties; 16 geese and 16 turkeys were seen.

Bantams numbered 405 birds, forming a beauty display, the B. B. Reds a particularly strong class. The Seabrights in both Golden and Silver were very nice

### WHITE ORPINGTONS

Eggs from 8 grand select pens. Illustrated mating list contains winnings and testimonials. F. S. Bullington, Box A. Richmond, Va. Secretary-Treasurer American White Orpington Club.

## Tolman's White Rocks

Baby Chicks. The Soft Roaster Strain. Joseph Tolman, Dept. H, Rockland, Mass.



Atsatt Bros., 27 Pearl St., Mattapoisett, Mass.

### TRETHAWAY'S ANTHRACITE

## Black Minorcas

50 grand yearling heens for sale. Show birds and No. 1 breeders. Not a poor bird in the lot. Must be sold to make room. Every bird will be a bargain. If you want to improve your flock, now is your chance.

ARTHUR TRETHAWAY  
45 Parrish St., Wilkes Barre, Pa.

## BARGAINS

in old stock for exhibition or breeders in both Buff and Blue Orpingtons and early hatched cockerels in both colors.

Henrietta E. Hooker, So. Hadley, Mass.

## MADISON SQ. WINNERS



Over 43 prizes and specials in the Garden. 4 firsts on Rose and first on Single Comb Brown cock in one year.

The two best strains of Browns bred. They win. They are large and lay up to 242 eggs

to a pen. Large eggs.

Lots of breeding stock as well as show stock of above breeds.

Rose Comb White Leghorns—Large white birds, large eggs, 244 eggs to a pullet best record. Winners.

Single Comb Whites—236-egg strain. Plenty of white low-tailed cockerels.

White Wyandottes—Duston and Regal. Cup winners.

Barred Rocks—Bradley. S. C. Reds—Tompkins. Catalog.

W. W. Kulp, Box 70, Pottstown, Penna.



and Cochins in all colors again proved their popularity.

Pigeons are ever popular here and this year was no exception. They numbered 1,239 birds, keeping the judges and Mr. Ulrich busy.

We want in particular to commend the judges, Messrs. Oke, Cleveland, Drevensstedt, Fred Huyler, D. W. Young and Mr. Clemens, for their work on poultry and Dr. W. C. Cleckley and Geo. L. Young on bantams. No wonder the Allentown show is "great." The pigeon judges no doubt deserve the same mention as no series of trap-shoots was held—H. P. Schwab.

### The Rochester (N. Y.) Exposition.

Poultry gained a place in the Rochester Exposition, September 16 to 20, 1913, for the first time, and in the future will hold a prominent place as the great entry of fine birds proved a feature recognized by the officers. The poultry display was under the direct charge of the Fanciers' Association with Secretary Tallinger and Messrs. George Otto and Geo. J. Eckhardt in control.

The entries numbered over 3,000 and

## BABY CHICKS

Will have no more chicks until March, 1914. Catalog free, 20th Century Hatchery, Box 73, Chatfield, Ohio

## BARRED ROCKS

### FOR SALE

Chicago, Cincinnati and Indianapolis winners and birds bred from them at your own price. Let me know your wants.

G. Earl Hoover, R. 24, Matthews, Indiana

## SILVER CAMPINES

To Our Customers: Last season we were compelled to return thousands of dollars because of the demand for Campine eggs. We will mate this season in January, and those we could not supply last season will have first call if they will order in December. These wonderful birds are here to stay and you should get "In the Swim." The Rockland Campines always win. Ridge Egg Farm, West Nyack, N. Y.

## Closing Out Sale

Am sacrificing all my White Rocks and White Wyandottes, as I will discontinue these breeds. All stock is from "best strains" and contains many prize winners. Will sacrifice for one-third their value. Also some special bargains in Buff, Black and White Orpingtons from this years pens. Write quick and get first choice. Mention A. P. J.

F. B. CRAWFORD  
Box 115 A Rahway, N. J.

## Cochin Bantams

### Black-Buff-Partridge-White



We wish to state that we have scientifically bred the 4 Varieties of Cochin Bantams exclusively for many years and our strain has proven its exhibition quality throughout U.S. Not only when exhibited by us, but many of our customers have reported marvelous victories, (at such shows as Rochester, Pittsburgh, Pasadena and many other renowned shows), which were accomplished with specimens of our strain. Therefore

### The Real Cochin Bantams

America's Best Cochin Bantams are bred in Ohio at the Wahebe Bantam Yards and such quality cannot be found anywhere else on this great continent. If it is your intention to win this season and to breed winners write the Home of America's Best Cochin Bantams, or you will be disappointed in your undertakings.

### Wahebe Bantam Yards

Box 13B, Evanston Station Cincinnati, Ohio

came from Canada and several states in quality and quantity good to see. The classes were well filled and in several varieties were extra large and strong, with feature birds in most every class.

### Plymouth Rocks.

The Barred were first on the list with several nice specimens shown, some of the best old in poor feather.

The Whites a rare class of highest merit, the Glenn Poultry Farm, Fairport, N. Y., winning first hen, first and second cockerel and pullet, first pen and first display. The winning cockerel a rare fine bird, grand form, beauty back and extra head. Second close up. This line shows the progress we like to see and has been a consistent winner for years.

### Wyandottes.

The Wyandottes were well shown in all varieties with the Whites the largest class, Silver, Black and Partridge following close. The winners well placed and birds of merit.

### Rhode Island Reds.

One of the largest classes in the S. Combs and a very even lot. The winning cockerel and pullet were beauties and well shown. Rose Combs a very small class.

### S. C. White Leghorns.

A beauty class all through and as a rule well shown. The Maplewood Poultry Yards, Attica, N. Y., with Manager H. W. Hayner in charge, made a record of note here by winning cocks 1-4, hens 1-4, cockerels 1-5, pens 2-4-5. This line was seen in best condition and well won their awards. Their winning cockerel is one of the best birds we have seen out this year, of excellent station, carriage and form, fine back, well carried tail and a beauty head; such birds are entitled to win at any show. Their winning cock we have seen placed well before; here he was a strong winner. First hen a rare beauty. This farm is also famous for their Pekin ducks, on which they have made records for years. Here they won all first and second prizes in single entries and in pens first, second, third and fourth with four pens shown. We congratulate Mr. Hayner on his success, for the quality he has produced deserves to win.

Other leading exhibitors were the Sterling Poultry Yards, C. A. Earle and W. T. Noonan.

Brown and Buff Leghorns and all varieties of Rose Combs were here in good numbers.

### Silver and Golden Campines.

The Silvers were one of the large classes of the exhibit and here again, as at the State Fair, the Manhattan Farms, Brighton, N. Y., made a great record. This line seems unbeatable. In the Golden Campines they won every first, second and third prize. With size, shape and extraordinary color and head points, they seem fit to repeat their wonderful records of last year when they were seen at all the great fall and winter shows and swept all before them. More success to them.

The Kolaneka Farms, Pittsford, N. Y., also showed a neat line of Campines, Orpingtons, etc. Their Blue Orpingtons particularly were birds of merit with shape and even color conspicuous.

### Orpingtons.

The Orpingtons in all varieties were large and strong classes and many notable winnings were made. The Braken-dale Farms, Fonthill, Ont., with Snookums Frank Conway in charge made a most likely record both in Orpingtons and their other varieties of Dorkings, Brahmas, Minorcas, Hamburgs, Polish and Bantams, for with 288 entries they won 223 first prizes and 46 seconds, with some of minor value. This line has proven a leader for years and this like other seasons made records galore. At the State Fair they made their best record in years and at the late Toronto Exposition the week before they won on Black Orpingtons alone cocks 1-2, hens 1-2, cockerels 1-2, pullets 1-2, pen young first, pen old first. This line has won the blue ribbons at Boston, New York, Baltimore, Chicago, etc.

This whole display was one of complete beauty as all classes were well represented. In Bantams the entry was very large. Here were seen specimens of rare varieties. The Mille Fleures shown by Paul J. North, Brighton, N. Y., were specially fine and attractive. Pigeons and pet stock completed the exhibit. In pigeons Mr. August Eckert, Rochester, N. Y., exhibited his usual grand quality.—H. P. Schwab.

### Poultry Exhibit at Illinois State Fair.

The great Illinois State Fair has passed into history bearing with it the memory of the largest exhibit of poultry ever cooped in the state of Illinois. The immense poultry building was filled to its utmost capacity, the entire floor space being double decked, two large tents were filled with the overflow, while many coops were ranged along the cattle barns to the north of the main building. The classes were all well filled, there being 130 varieties on exhibition, and competition was lively. Single Comb Rhode Island Reds were the leading variety, with Buff Orpingtons, White Orpingtons and Partridge Rocks following in the order named.

While the entries were not so large in the Barred and White Rocks, competition was keen and the awards well divided.

Leghorn "alley" was well filled and enthusiasm was at fever heat there at all times. Many specimens worthy of more mention than time and space will permit us to make were on exhibition there.

In Barred Rock "alley" the honors were pretty evenly divided with J. J. Klein of Macon, Illinois, and G. A. Walker, of Polo, Illinois, taking a little more than their pro rata of the awards.

In White Rocks the principal contenders were Charles B. Ettinger of Tinley Park, Illinois, and H. E. Taylor of Petersburg, Illinois. First hen, exhibited by Mr. Ettinger, was a magnificent specimen and shown in good condition for the season. Third pullet, Mr. Taylor's entry, was very undeveloped, but showed great promise, winning over pullets of much better development.

Competition was very lively in Buff

## BUFF WYANDOTTES

Jacks' Gold Beauty Strain always on top.

J. Carleton Jacks -- Litchfield, Minnesota

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Greatest winter layers of large white eggs. Stock and eggs at a bargain. Catalog free. Mention A. P. J. Willard J. Thorniley, R. F. D. 1, Box 36, Marietta, O.

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Are known America over, winning at all the prominent shows, including Madison Square Garden, Chicago, Cleveland, etc. Mention A. P. J. when writing. C. E. Fisher, Box 391, McConnellsville, O.

## Barred Plymouth Rocks

of highest quality. Record breaking layers. Write your wants for the early shows. Maple Grange Poultry Yards, S. M. Goucher, Moorestown, N. J.

## F. L. Poultry Farm

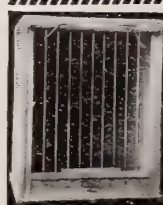
Rhode Island Reds (both combs) now on sale, young and old stock, some crackerjacks. Write your wants. Mention A. P. J.

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Breeding S. C. Buff Orpingtons exclusively. Some rare bargains in pens, trios, individuals.

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### Warner "The Coopman"

Corner River and Race ALLEGAN, - MICHIGAN  
Trap-Nests, Chick Boxes, Lice Remover, Shipping Coops, etc.



Rock "Alley" with Rhom Brothers, Fountain Town, Indiana, the principal winners, while Kellog & Kellog, Cambridge, Illinois, and F. E. Linder, Greenville, Illinois, were fighting for second place.

Partridge Rocks were there in abundance, and were the class of the Rocks. First cock was a great bird, winning with ease from his coop mate of the same entry; first hen was a revelation in Partridge Rock color. The only other approaching near her was her mother, of the same entry.

In Buff Orpington "Alley" the competition was so hot the atmosphere was fairly sizzling, no one being able to claim a great advantage in the awards.

White Orpingtons were a splendid class, with Iowa Farms, Davenport, Iowa; Ralph Wollery, Bloomington, Indiana, and G. H. Woolington, Monticello, Illinois, the principal contenders, honors being somewhat in favor of Mr. Wollery.

In Single Comb Rhode Island Reds, F. E. Harrison, of Menominee, Michigan, made practically a clean sweep, winning on a class of birds that were the quality of the show. First cock was the best Red ever exhibited at the Illinois State Fair, while first cockerel was a grand specimen, showing good type with a fine back and good tail, with plenty of color in all sections. First, second and third hens were well placed and were much admired.

Rose Comb Rhode Island Reds, while not so strong, brought out a class of birds that showed plenty of quality. Asiatics were out in goodly numbers, and competition was lively, especially in Black Langshans, with most of the honors going to R. A. Hews, of Crete, Illinois.

The Water Fowl classes were well filled and the awards pretty evenly divided.

The Bantam exhibit was a show in itself, there being about 400 entries, many of them of quality to win in any show in America.

Taking the show as a whole, it was a splendid exhibit, both in numbers and quality, and much praise is due the management for the excellent manner in which it was handled. The judges who placed the awards were Theo. Hewes, of Indianapolis, Indiana; H. A. Pickett, of Greentown, Indiana; F. E. Harrison, Menominee, Michigan; D. E. Hale, Chicago, Illinois; W. C. Pierce, Indianapolis, Indiana.

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The home of high class prize-winning Rocks, Wyandottes, Orpingtons, Leghorns, Turkeys, Ducks and Geese. Highest quality at reasonable prices. Write Chas. McClave, Box 22, New London, Ohio

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The most consistent winners and best producing strains in the world. Write your wants.

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At special summer prices. Breeding stock and young birds. Write us your wants.

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Courses for actual and prospective farmers, in country, village or city, whether you own a farm, garden, city or suburban lot, or expect to. A safe way out for the city man longing to get back to the farm. More profits for the farmer. Faculty 27 leading experts. Students in every state. Just the opportunity you have been wanting—TO LEARN SCIENTIFIC FARMING AT HOME. FREE sample lesson on request. (No Agents). Send today for temporary low rate.

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diana, and J. C. Johnston, Petersburg, Illinois.

### The Missouri State Fair.

The Missouri State Fair, held at Sedalia, was bigger than ever, largely due to the able management of the old veteran, Henry Stemmesch. Dr. Le Gear, St. Louis, showed a string of White Rocks, winning all the firsts and several seconds, including champion bird of the show, "Lady Ideal." Mrs. Walter Cline, Versailles, Mo., had to be contented with second cock and third pen. This was due to immature stock. Mr. Geo. Basye, Route 2, Rocheport, showed some fine Barred Rocks, the first prize cockerel was the best we have seen this season. Edw. S. Whitehead, R. 2, Box 89-A, Jefferson City, Mo., won 2-3 cock, 1-2 cockerel and 1-2 pen on White Wyandottes. The first cockerel was a fit specimen for the New York show. E. W. Shaperkottter, Valley Park, Mo., won 1 cock, 3 cockerel, 3 hen, and 2-3 pullet. John W. Herschenroeder, Jefferson City, won 1 cockerel, 1 pullet, 1 pen on Anconas in a large class. F. J. Denny, Golden City, Mo., won 1-2 cock, 2-3 hen, 1 cockerel, 1 pen on Houdans and 1 cock, 1-2 hen, 1-2 cockerel, 1-2 pullet on Cornish. C. Carson, Mound Valley, Kans., won 1 cock, 1-2-3 pullet, 1-2-3 cockerel, and Shawnee Poultry Farm, Shawneetown, Mo., won 1-3 hen, 2-3 cockerel, and 1 pen on White Orpingtons. The S. C. Rhode Island Red class was a good one. H. C. Kemp & Son, Dresden, Mo., won several firsts and seconds, including best parti-colored bird in show. Mrs. J. C. Henderson, Polo, Mo., won 1-2 hen and 2 pullet on four entries. One of the features was a fresh air incubator exhibited by the Missouri State Incubator Co., St. Louis, Mo. This machine is a winner. W. F. Chamberlain, St. Louis, Mo., exhibited a two dozen egg incubator. This machine is a good one, having the good features of incubator and brooder combined.

### Dane County Fair.

The Dane County Fair held at Madison, Wis., Sept. 9 to 14, was this year better than ever. Every class was filled and the attendance, considering the bad weather, was good. The secretary Mr. M. M. Parkinson, the best show man in Wisconsin, promised us many reforms for next year, especially a new arsenal and the extension of the street car system to the grounds. Rufus Gillette, Verona, won most in R. I. Reds; N. C. Gerrard, Stoughton, won most prizes in White Rocks, and Dr. Culhane, Stoughton, in Barred Rocks. Mr. Otto F. Toeffer, Madison, promised us that he would exhibit a large flock of wild geese next year.

### West Michigan State Fair.

The West Michigan State Fair held at Grand Rapids was a great success, due to the hard and intelligent work of its superintendent. All classes were filled and the awards were placed by Judge Roy V. Otto. Mr. Otto's work was highly satisfactory to all exhibitors. We were unable to obtain a list of awards but the exhibit of White Wyandottes owned by Mr. Arthur Rigg, R. R. 5, Grand Rapids, Mich., impressed us the most. Mr. Rigg in keen competition made a clean sweep.

### At the Palace Show.

The S. C. White Minorca Club will hold its annual meeting at the Palace Show, New York City, December 2-6.—C. A. Raasch, Secretary, Kingston, N. Y.

The Favorelles are picking up this year and all breeders are invited to meet at the grand round-up this year at the Palace Show, New York City, December 2-6.

Get to the State meeting of the American Buff Wyandotte Club. So far 30 breeders of Buff Wyandottes are pledged to make this a record breaker for the variety. Get out and push your favorites at a show that counts for publicity and popularity. Write Willmarth, Secretary N. Y. State Branch, Amityville, New York.

I have been working hard for the good old Houdans and I want to see a great big class at the Palace Show this year. This is my home show and I appreciate the pledges given me by exhibitors and invite all who will to join me in a fine

show of our favorites.—Chas. E. Arnold, Babylon, L. I.

The R. C. Buff Leghorn Club will hold a meeting at the Palace Show, New York City, December 3, at 1:30 P. M. The following specials received too late for the premium list: \$1.00 on each first and second cock, \$1.00 on each first and second hen, \$1.00 on each first and second pullet, \$1.00 on each first and second pen, copper cup for best display, \$5.00 cash to club member winning second display. Send to L. D. Howell of Mineola, N. Y., for premium list. Entries close November 15th.—H. J. Fisk, Secretary, Falconer, N. Y.

The American Buttercup Club is out this year to put Buttercups in the front rank and to sweep the deck at the Palace Show, New York City, December 2-6. The club will refund in full the entry fee of the largest exhibit by a club member. The club will pay all express charges on the exhibit by a club member that costs most, either by reason of distance traveled or weight of shipment. The club will pay \$10 cash to the pullet scoring the highest points by a club member. And the Palace Show will give the club \$20 in cash and a free back page advertisement in the catalogue if we succeed in having the largest class in the show. This is the year for us to pull together. Will you help? Send as big an entry as you can, but send one at least. Don't worry about the prizes. Popularity for Buttercups is what we want and we can get it this year if you will help. This is the last call for entries; if you do not receive the premium list, write L. D. Howell, Secretary, Mineola, N. Y., or Isaac Tillinghast, Secretary, Factoryville, Pa.

### "The Big Show."

At Washington, D. C., Dec. 23-27 next, promises to be the finest and largest exclusive poultry and pigeon exhibition ever attempted in the National Capital.

The members of the Greater Washington Poultry and Pigeon Club are much elated at the prospects for the big show, every mail bringing in requests for premium lists and applications for membership.

## Barry Farm

### S. C. White Leghorns

H. R. BARRY, Owner  
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## Wingold Buff Orpingtons Buff Wyandottes

Special—200 cockerels, all nearly solid Buff and grand even color at \$3 to \$5 each.

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bership in this hustling poultry club. It would seem that the whole United States has suddenly aroused to the fact that these poultry fanciers mean what they say, that this show will be "second to none in the world," judging from the postmarks on the letters, which is a pretty good indication.

The premium list will be out shortly and the Secretary, Mr. P. Francis Sutor, 716 21st St. N. W., Washington, D. C., or the Assistant Secretary, Mr. E. B. McKinley, 1351 Harvard St. N. W., will be pleased to send you one on request, also circular letter and application blank. Write at once and mention this paper. It helps you, ourselves and the club.

Cleveland, December 2-7, 1913.

Fanciers throughout the country have their eyes on the Cleveland Fanciers' Club Show, December 2nd to 7th, 1913. One can hardly cite a better instance of the growth in importance of local poultry organizations than the Cleveland Fanciers' Club affords.

Believing that the big annual show should be something besides an exhibition of birds, the Cleveland fanciers are planning to bring poultry experts from state universities to lecture on different phases of the industry, afternoon and evening, and to demonstrate preparation of birds for market; to direct amateurs in housing, feeding and care of chickens, tur-

gaged for the show. This will allow ample room for a single tier show.

The entries are mounting to 3,000, an increase of 1,000 birds over the entries for last year. Evidently poultry men expect a very successful show.

The committee in charge hope by means of the lectures and special attractions to interest a great many amateurs in poultry raising, and this will result in an unusually large number of sales on the floor. Arrangements have been made for continuous moving pictures of the poultry industry in all parts of the world. Slides of the prize birds of all breeds will be shown and poultry men will be permitted to run slides of their own birds if they so desire.

For Premium List and information regarding the show write J. T. Conkey, secretary, Cleveland Fanciers' Club Co., 460 Lennox Bldg., Cleveland, Ohio.

#### Gold Leg Bands for Chicago Winners.

Arrangements have been made to band every first prize bird at the Great Coliseum Poultry Show at Chicago, December 12-17, 1913, with a gold leg band. This is a heavy seal band, made especially for this exhibition. Each band is numbered and no duplicates will be made. The letters "Chicago 1913" will be stamped on the outer surface and a careful record kept of the winners.

Realizing the importance of a first prize

beautiful ribbons, besides the silver cups and money prizes, will be awarded.

Remember, the dates are November 26-27-28-29-30, Thanksgiving week. If you care to show where the winning is worth while and carry away a handsome silver cup, write J. E. Humbach, Secretary, Hamilton, Ohio, for a premium list. They are ready for mailing.

#### Buffalo's Great International Show.

For seven years the Buffalo Poultry Association has been building up a great international show. The Chamber of Commerce, the daily newspapers, hundreds of Buffalo's leading business men, and the Buffalo Poultry and Pigeon Club with its 500 members, have all contributed liberally towards the success of this show by making each year a long list of specials as seen in the premium lists.

The management of this show has determined to make the January 12-17, 1913, show the greatest yet held.

In this show, as in the past, all exhibitors get a square deal—no special favors for the big exhibitors or the moneyed fancier.

The birds are judged on merit.

Do not confuse this, the old organization, or our show dates with the new poultry show to be held in Buffalo in November. Send a card for a premium list, which will be ready Nov. 28th, to



Cleveland's brand new Exposition Building and Auditorium—The Wigmore Coliseum. Covers an acre and a half and next to Madison Square Garden is the largest building in use for a Poultry Show. This immense building will be christened December 2nd by the opening of the Ninth Annual Poultry and Dog Show of the Cleveland Fanciers' Club

keys, ducks and geese, and to discuss knotty problems with poultry raisers.

The Wigmore Coliseum, the biggest audience chamber in Cleveland, having an acre and half floor space with plenty of windows on all four sides, has been en-

### GRAND CHAMPION Columbian Wyandottes

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**56 BREEDS** Chickens, Ducks, Geese and Turkeys. Hardy, northern raised, pure bred, of finest plumage. Fowls eggs and incubators at lowest prices. America's greatest poultry farm. Send 4c for large, fine 19th Annual Catalog and Poultry Book.

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**THE "SIGNET" LEG BAND** is in the lead, its the one you need. Price 12-15c; 25-20c; 50-35c; 100-60c. "Silver Tip" Pliers made for putting on bands, price 10c. 3c extra for postage. Mention A. P. J.

W. J. BALL, SALEM, OHIO

### OKE'S HAMBURG & BANTAMS WIN

"The world over"—Boston, New York, Baltimore, Toronto, all great shows. Golden and Silver Penciled and Spangled and Black Hamburgs, Seabright, Black and White Rose Comb and Jap Bantams. Eggs \$5 per setting. Write your wants.

R. OKE. BOX 361-A, LONDON, ONT.

at this great show, it is our aim and object to throw every possible safeguard around them. There are but few national exhibitions that could afford this enormous expense, but we feel that it is to the interest of ourselves and our exhibitors that some such official record is kept. Please understand this gold band is to be placed on every first prize winning bird in the exhibition, including breeding pens.

#### World's Largest Silver Cup Show.

Great credit is due the hustling members of the Hamilton, Ohio, Poultry and Pet Stock Association in getting ready for their coming show, November 25th to 30th inclusive. It is well known that Hamilton suffered more than any other city from the March floods and many of Hamilton's largest breeders had enormous losses. But once more they have collected one hundred handsome silver loving cups ranging in value from \$10.00 to \$200.00 to be given away. No strings are attached to these cups; they are all given away in the show room or expressed to the winners. The Hamilton boys have never failed to pay all premiums promptly, they have a reputation for good care of the birds and all birds are always returned to the owners promptly after the show is over. All birds are cooped in nice clean cooping furnished by the association free of charge.

James A. Tucker of Concord, Michigan, and Ben Lanius of Cincinnati have been selected to place the awards, and five

Stanley A. Merkely, Secretary, 35 Coal and Iron Exchange, Buffalo, N. Y.

#### Coliseum Show, St. Louis.

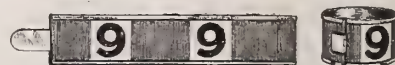
The premium list of the Coliseum Show, St. Louis, Nov. 25th to Dec. 1st, 1913, is out, and it is so different from any poultry premium list ever issued that it is worth sending for. The list is extremely liberal, and all cash, except 20 solid silver cups and several other cups by specialty clubs. The Coliseum is one of the finest

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are best. Our book will tell you why. Write for it. Mention American Poultry Journal.

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#### COLORED LEG BANDS Big Black Figures on White Background.

All colors, all sizes, for all fowls, and pigeons. Birds identified without handling. Saves time and labor. Baby chick bands 18 colors, not numbered. The best band in the world to-day. Samples and catalog 2c stamp. Mention A. P. J.

A. P. Spiller : Dept. A : Beverly, Mass



halls in the country for a poultry show. The judges, nine in number, are all good ones; the premium list says who they are, and what they will handle. The Coliseum Show will be penned, and the feeding of the exhibits intrusted to Spratt's Patent. Catalogue of the show, giving name and address of every exhibitor at the opening, and a marked catalogue showing all the winners, out Thursday.

Another feature at this show will be an exhibit and demonstration work, including moving pictures, of the Missouri State Poultry Board, Mr. T. E. Quisenberry and Mr. Ralph Searle in charge, lectures by Prof. Rice of Cornell University, and other prominent institute workers. The Coliseum is fortunately arranged with an annex for just such work; all under one roof, and all at one price of admission. For further particulars address Henry Steinmesch, Secretary and Treasurer Coliseum Show, 220 Market St., St. Louis, Mo.

#### Washington (D. C.) Show.

The official A. P. A. show will be held December 2 to 6, 1913. Spacious halls have been selected whereby one floor of the building is devoted entirely to the poultry department. Fifty cups, hundreds of specials, and a profit-sharing cash premium inducement—usual premiums for four entries—excess of entry fees over eight entries in a class will be divided as follows: Fifteen per cent to first, 10 per cent to second; 75 per cent for expenses of exhibition. Write to the Secretary, W. A. Kiefer, 710 Taylor St. N. W., Washington, D. C., for the largest premium list offered by any show in the South, and THEN EXHIBIT.

#### Third Annual Championship Show.

The Third Annual Exposition Show will be held at Pittsburgh, Pa., the week of January 19 to 24. This year the management, besides their already most liberal cash prizes, will give a handsome cash prize for the best display and a handsome cup for championship male and championship female, in most of the classes. We have the largest floor space of any show in the United States, with perfect heat and light, and we modestly assert that there is no poultry show in this country that is cooped more attractively, where the birds are kept in more sanitary condition, where greater care is used for the birds in our hands, where the entry fees are more fair and equitable and where the cash and special premiums are more liberal, and finally that no show can award premiums with greater care and greater ability and with greater desire for the absolute justice than this

#### Poultry Exhibition of Pittsburgh.

Our last year's show was one of the surprises of the year among poultrymen. We had one of the big four national shows of the season. Our coming show will unquestionably surpass anything in the past and do not believe that a doubt remains that it will not be one of the very largest shows held in America this year, both as to quality and numbers of birds, and so far as mortal man can guarantee it—the best bird will win. We want every breeder that appreciates the right kind of treatment and appreciates the right kind of competition to be with us. If we could offer greater inducements in line with higher ideals of the poultrymen, we would gladly do it. The following is a list of judges already engaged: W. S. Russell, W. C. Pierce, A. Fred Kummer, D. W. Young, Fred H. Cook, A. H. Emch, C. D. Cleveland, L. Rawsley, G. W. Webb, Theo. Hewes, Marcus Allen Northup, A. J. Edwards, E. F. Baldwin. Permanent headquarters, 303 Empire Bldg., Pittsburgh, Pa.

#### The Great Williamsport (Pa.) Show.

The great Williamsport, Pa., Poultry Show will be held Thanksgiving Week, Nov. 25th to 28th inclusive. This will be Williamsport's sixth annual exhibition and there is no doubt at all but what it will be the greatest early exhibition ever offered the poultrymen of the country. Williamsport was the first association to put on an early show and for five years their exhibition has been one grand success, in fact, the breeders from all parts of the United States made Williamsport the testing show for the Garden and other later shows. No show in the country ever offered the breeder such judging as will be done at Williamsport; every judge selected to do the work stands at the top of his profession in his breed and regardless of the fact that others have started competitive shows the same week as Williamsport, they cannot offer the judgments that Williamsport does.

Henry P. Schwab, the greatest Plymouth Rock judge in the United States, will again make the awards of the favorite breed, Richard Oke, of London, Ontario, Canada, needs no introduction to the poultry world; his awards for years past have been the cue to purchasing breeders for stock that they want to be sure of. Chas. Nixon and J. C. Punderford are at the height of their glory in the breeds they handle, namely, Wyandottes and the Mediterranean breeds, and an award under either of these judges should be invaluable to a breeder. In Herman Sonder, of Ridgefield, N. J., the association have engaged a man who will handle the Campines to perfection. Fifteen challenge cups

will be offered this year together with other beautiful cups, and valuable merchandise, to say nothing of over four hundred dollars in cash specials which is placed so that it is bound to be won. The association has also raised first and second money to a par with any dollar show, and beyond that offered by most of the dollar entry shows. From the advance request for premium lists the management feels sure that this will be Williamsport's great year. Entries positively close Nov. 12. Write McCormick Dawson, 200 Market Street, for Premium List.

#### National Fanciers' Club Show.

Encouraged by past successes and spurred on by the good will and support of its many satisfied exhibitors, the management of the National Fanciers' Club Show has determined to stage the "greatest chicken event" ever held in the country at Indianapolis, Jan. 10-16, 1914. It will be a show for the breeders and by the breeders, a show where the best bird will win, and in the "hot bed" of the poultry section where people are interested in poultry breeding and have the money to buy stock. No breeder can afford to miss the National Fanciers' Club Show this season. Many new attractive and educational features will be added this year, and it is proposed to have at Indianapolis, Jan. 10-16, the greatest gathering of poultry men ever held in this country. If you want people who are interested in poultry to see your birds, if you want business, and if you want good, clean competition, send your birds to the National Fanciers' Club Show. Address Henry C. Dippel, Sec'y., 114 N. Delaware St., Indianapolis, Ind., for premium list and entry blank.

#### Elgin (Ill.) Show.

The 15th annual exhibition of the Elgin Poultry Association will be held Jan. 5-10, 1914, at Elgin, Ill. There is every indication that this will be by far the greatest show ever held by this association, as the members are all working hard to that end. The judging will be done by comparison and uniform coops will be used. They are offering 35 silver cups as special prizes and \$2 in cash will be given for prize in all single classes and \$5 for first on pens and \$25 in gold for sweepstakes. The show will be held in the big Coliseum, with its 18,000 square feet of floor space. Mr. Geo. H. Northup will judge all varieties except the buff birds; these will be judged by Roy Waterman, a buff specialist. Send in now for premium list and arrange to make an exhibit at this show. Chris. H. Leitner, secretary, Elgin, Ill.

## RANCOCAS

# S. C. W. Leghorns and White Ply. Rocks

LIKE A HURRICANE SWEEP ALL BEFORE THEM  
AT THE NEW YORK STATE FAIR, 1913

### Rancocas S. C. White Leghorns

In the largest and best class of Leghorns with 286 birds competing our exhibit made the best record ever made at this great and popular exhibition. They win pen old, first; pen young, first; cock, fourth; hens, first, second, third, fifth; cockerels, first, second, third, fourth, fifth; pullets, first, second, third, fourth, fifth; first display; first collection; shape and color specials and the "Manning championship silver cup" for "best ten birds at the show" with a total of 5,644 birds competing.

### No Record of Any Line Equals this Astounding Victory

### Rancocas White Ply. Rocks

In a class of 106 birds exhibited by the leading breeders of the East and West, we won a pronounced victory. Old pen, second; young pen, second; cocks, third and fifth; hens, first and fifth; cockerels, first, second, fourth; pullets, second, third, fourth; best display and specials. This class was pronounced by prominent breeders the best ever seen at this season of the year with rare quality and condition features.

### The Rancocas Strain

Combines the choicest quality practical value. It is the "strain" to bank on for success. With our large stock we are prepared to supply the grandest exhibition birds and the choicest quality breeders with absolute satisfaction assured. Write us your wants and let us quote prices.

### Special Prices

Now for carefully mated trios and pens and yearling breeders. Circulars and further information on request. Remember "Rancocas stands for quality."

**Rancocas Poultry Farm, Box A, Brown's Mills, New Jersey**



**"Cleveland's Quality Show."**

Cleveland's exclusive Poultry Show given by the new association last year was a wonderful success, as every effort on the part of the members was made to have the best birds win regardless of who owned them. As this is a strictly poultry show, no dogs or pet stock accepted, the new association wishes to announce that the dates for their second show will be January 5th to 10th, 1914. The judges selected this year are as follows: J. E. Gault, L. A. Stream, A. H. Emsch, L. A. Platt, L. Lanus and G. Webb, and their reputation is known all the world over. They will again place the awards on the birds and our many friends and fanciers will be glad to send their birds as they did last year, to be judged by men who know.

Grays Armory, known for its large and spacious floor space and fine lighting facilities, has been chosen for this year's exhibit. Every exhibitor is asked to come to Cleveland and receive a cordial welcome by twenty real live poultry men, all members of the A. P. A. Competition will be keen, so start and get your birds in shape now to win the regular and special prizes that naturally go to making a good show. The secretary is A. E. Rehburg, 3040 W. 25th St., Cleveland, Ohio, who states the premium list is now being prepared and will be ready for mailing in a short time: be sure your name is on his list. After last year's show the poultry press conceded our first exhibit to be the best given in Cleveland for years. Our cash prizes, ribbons, cups and special prizes will again be in the hands of the winner before the show is over. For further information write to the secretary.

One of the largest and best shows to be held in Michigan this winter will be the twentieth annual exhibition of the Southwestern Michigan Poultry Association, Inc., at Kalamazoo, the week of December 29th to January 3rd, 1914. The members are putting forth extra efforts in order to make this the most successful exhibition ever held and they have hung up in special prizes \$300 in gold, in addition to valuable cups and other poultry supplies. The show will be held in the New Armory Convention Hall, with a floor space of 12,000 square feet, and considered one of the best show rooms in the state. All birds will be cooped in uniform cooping furnished free by the association, and a bang-up show is anticipated. Judges Wells and Strong will place the awards by the comparison method. Catalogue ready Dec. 1st. F. W. Hough, secretary, 804 Bank Bldg., Kalamazoo, Mich.

The Monmouth Poultry Club will hold its sixth annual show at the Asbury Park Beach, Asbury Park, N. J., November 24-29, 1913. Entries close November 12. Judges: Robt. Seaman, F. V. L. Turner, Fred Hugler, A. B. Dalby, John C. Kriner,

Jacob Applegate, James Ingram, W. W. Kennedy, W. B. Paterson. For premium list and entry blanks address Secretary F. H. Hodges, Red Bank, N. J.

Something over two hundred special prizes, including twenty beautiful silver cups, valued from \$10 to \$25 each, will be offered at the great Syracuse, N. Y., show, to be held under the direction of the Onondaga County Poultry & Pet Stock Association in the State Armory, December 7-13. Jos. Krenn is superintendent and H. A. Eiler secretary, 410 Prospect avenue, Syracuse, N. Y.

Warrenton, Va., will hold its third annual poultry show December 16-20, 1913. The American Cornish Club has decided to hold its annual club meet in connection with this show. Liberal cash prizes, silver cups and handsome specials are offered. For premium list and particulars address H. M. Hubbell, secretary, Warrenton, Va.

The National Western Stock Show will be held at the Union Stock Yards, Denver, Colo., January 19-24, 1914. Tucker and Heimlich will place the awards, using the comparison system. Premium list now ready; full particulars from W. C. Shuman, manager, 400 S. Emerson street, Denver, Colo.

The twenty-second annual exhibition of the Iowa State Poultry Association will be held in the Coliseum, at Des Moines, Iowa, January 1st to 7th, 1914. Judges Russell, Shellabarger, Southard, Dagle and Seyler will place the awards. George S. Phillips, Box 431, Des Moines, Iowa, is secretary. Write him for a premium list.

The Tri-State Poultry and Pet Stock Club will hold their sixth annual show January 12-18, 1914, at Toledo, Ohio. The judges will be George C. Eckert, Joe Coleman, D. D. Whitaker, Z. D. Struble and Edward W. Tripp. For premium list, entry blanks, etc., write Secretary J. S. Ball, 1237 Varland avenue, Toledo, Ohio.

Champaign, Ill., will hold its fourth annual show in the large armory of the University of Illinois at Champaign, Ill., December 30, 1913, to January 2, 1914; D. E. Hale, judge. Send at once for catalogue and premium list to Paul T. Bacon, secretary, Champaign, Ill.

The fourth annual show of the Green County Poultry Association will be held December 9-14, 1913, at Monroe, Wis. Premium list ready November 1. G. W. Hackett, judge; G. W. Wilkinson, secretary, Monroe, Wis.

The Beaver Valley Poultry Association will hold its sixth annual show December 10-13, 1913, at Beaver, Pa. A. F. Kummer, R. A. Poole and Chas. P. Mohr,

judges. For premium list write Secretary J. Mays Ecoff, Beaver, Pa.

The fifth annual show of the Dayton Fancy Feather Club will be held January 12-17, 1914. Pierce, Corfman and Stream, judges. For premium list address Secretary Walter Osterhaus, Dayton, Ohio.

The third annual show of the Ewing Poultry Fanciers' Association will be held November 12-15, 1913, at Ewing, Ill. E. H. Casey, assistant secretary, Ewing, Ill.

The Osborne County Poultry Association will hold their next annual show on December 18-20, 1913, at Osborne, Kan. L. J. Cowger, secretary.

The Johnstown Fanciers' Association will hold their next annual show January 5-10, 1914, at Johnstown, Pa. Premium list now ready. Send for one to Secretary W. S. Krise, Johnstown, Pa.

**Rubber at Back Inside Cover****Airdales**

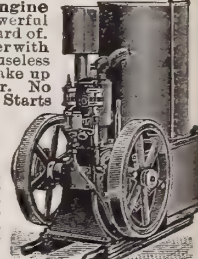
The ideal dog for the Poultry Keeper or Suburbanite. Fine raters, hunters and watch dogs. Not afraid of anything. Gentle and obedient to his master, kind and playful with children. Kennel headed Imported Tintern Perform—a trained hunter. Young and adult stock for sale. Write for particulars. F. L. SAVAGE BOX 14 St. Charles, Ill.

**Detroit Kerosene Engine****Saves Time, Trouble, Expense**

The Detroit Kerosene Engine is the simplest and most powerful engine you ever saw or heard of. Direct transmission of power with 3 moving parts only—no useless cams, gears or valves to take up power or get out of order. No trouble—no extra expense. Starts without cranking.

**Runs on Cheap Kerosene**

Will run on distillate and gasoline; but kerosene costs less than half as much as gasoline. Besides, kerosene contains more heat units than gasoline. Result—more power—steadier power—at one-half the expense of fuel. Comes to you all ready to run feed grinders, separators, pumps, saws, electric light plants, etc. All sizes in stock ready to ship.



**GUARANTEED 5 YEARS**—Sent on trial direct from our factory at lowest factory prices. Don't buy an engine until you have seen the "Detroit." Write today for catalog and agent's special introductory price on first order from your territory. (1913) Detroit Engine Works, 128 Bellevue Ave., Detroit, Mich.

**U. R. FISHEL'S AD in this issue will interest you. Read it.**

## CHAMPION BUFF WYANDOTTES

**"America's Great General Purpose Fowl"**

Again prove their superiority over all others. At the Greater New York Fair and Exposition, August 4-10, 1913, in competition with the Garden and big Eastern winners, won more than twice as many prizes than all competitors combined.

**Four Firsts, Five Seconds, Three Thirds, Two Fourths,  
Two Fifths, Silver Cup Best Display and Gold  
Special Best Display Wyandottes, All  
Varieties Competing**

## PURITAN PARTRIDGE ROCKS

**Conclusively Prove That They Are****"THE QUALITY FLOCK OF AMERICA"**

At the Greater New York Fair and Exposition, August 4-10, 1913, won more prizes than all competitors combined.

**Three Firsts, Four Seconds, Four Thirds, Three  
Fourths and Silver Cup Best Display**

**We have 2,500 youngsters. Choice breeding trios, \$10.00; pens, \$15.00.  
Guaranteed winners furnished for any show on earth.**

**Besuden Bros., R. W. Sturtevant, Manager, Box 359-B, Cincinnati, Ohio**



The twenty-third annual exhibition of the Western Wisconsin Poultry Association will be held at La Crosse, Wis., December 2-8, 1913. This is the oldest poultry association in the state and each year the number of entries have increased until today it is one of the leading shows in the Northwest. E. A. Hoffman and T. J. Roundtree will place the awards. Send for premium list to Wm. H. Hoeschler, La Crosse, Wis.

The Mansfield Fanciers' Association will hold their annual show December 1-6, 1913. This association is a member of the American Poultry Association and holds annually one of the best shows in Ohio. For premium list and full particulars address Secretary T. J. Darling, 388 Spring Mill street, Mansfield, Ohio. Judges for this show will be Chas. McClave, M. M. Barger.

The Kansas Poultry Federation show will be held at Independence, Kan., January 5-10, 1914, and promises to be the greatest show ever staged in the state. The new Kansas City uniform coops will be used and judging done by six of the leading judges of the West, by comparison system. For catalogue address Secretary L. H. Wible, Chanute, Kan.

Don't fail to make arrangements to exhibit your birds at the Goshen Poultry Show, which takes place December 8-13, 1913; H. A. Pickett, judge. By all means send for premium list, which is now ready for mailing. Address Dart Emerick, secretary, Goshen, Ind.

The West Chester Poultry & Pet Stock Association will hold their second annual show Thanksgiving week, November 26-29, 1913, at West Chester, Pa. They will have a large list of specials, including cash and cups. Six of the best judges have been engaged to place the awards. For premium list address Secretary Frank W. Temple, West Chester, Pa.

The Pittsburgh Fanciers' Club of Pittsburgh, Pa., have selected judges for their sixteenth annual show to be held in February, 1914. These are Schwab, Punderford, Minnich, Webb and Seldon. Full particulars in regard to this show will be given in later issues.

The McHenry County Poultry Association will hold their fourth annual show at Woodstock, Ill. O. L. McCord will do the judging and comparison system will be used. Premium list ready December 1. Address Secretary P. Lee, Woodstock, Ill.

The poultry fanciers of Kutztown, Pa., have organized an association and will hold their first annual exhibition December 31, 1913-January 3, 1914. For premium list and full particulars write the secretary, Jacob E. Koch, Kutztown, Pa.

The second annual show of the Hoosier Fanciers' Club will be held December 15-20, 1913, at Thorntown, Ind. Z. D. Struble, judge. Premium list will be sent on application by Secretary Floyd Wyant, Thorntown, Ind.

The third annual poultry show of the Dubuque Poultry Association will be held at American Hall, Dubuque, Iowa, December 9-14, 1913—the big quality show where Wisconsin, Illinois and Iowa fanciers meet. W. S. Russell, judge. For premium list and other information write Paul Krocheski, 83 Alumni avenue, Dubuque, Ia.

The Butler County Poultry & Pet Stock Association will hold their tenth annual show at Butler, Pa., January 6 to 10, 1914. A very nice premium list is being prepared and many valuable premiums, both cash and special, will be offered. If interested drop a card to D. H. Rankin, 112 Hazel avenue, Butler, Pa.

If you are looking for Single Comb White Leghorns you will do well to investigate the advertisement of Mr. Chas. Meyers, Carrollton, Ill., in this issue. Mr. Meyers is breeding Leghorns of exceptional quality and informs us that he has 200 from which to select exhibition and breeding stock. His prices are right and you will receive courteous treatment at his hands.

**Don't forget to read back inside cover**



### Poultry Magazine

Have you seen a copy of Poultry Post? It's brimful of interesting and helpful news to beginners. Circulation, World Wide. 4 mo. trial, 10c. Sample copy free. D 30, Goshen, Indiana

**Did you get your free Am. Poultry Journal Year Book? See back inside cover**

## BYERS' STRAIN ORPINGTONS

Buff Black and Pearl White—I have what you need this year and will give you more than you pay for in the choicest possible exhibition and breeding stock. Latest catalog and supplement free. Reference—Hundreds of customers and editor of this journal.

C. S. Byers

(Orpington Specialist, 15 Years)

Hazelrigg, Indiana

## NORWICH AUTOMATIC EXERCISERS AND FEEDERS

Are guaranteed rat, rain and sparrow-proof. They will reduce your feed bills 25 per cent; your labor to practically nothing; they will improve the condition of your flock and thus increase the egg production. They will pay for themselves in ninety days in feed alone. Send today for free booklet explaining our thirty days' trial offer. They are for sale by live dealers everywhere, or we will ship direct from Toledo, Ohio. Write now to

**River Home Poultry Yards, Breeders Exhibition Quality Light Brahmas, 820 Monroe St., Toledo, O.**



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BEAU  
BRUMMEL

FIRST PEN  
NEW YORK  
1911

### OUR BIRDS WON

NEW YORK 1911

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## 50 Cockerels for Sale

That we guarantee were sired by Beau Brummel. They are the true Leghorn type and bred to win and to breed.

### Orders for Hatching Eggs

Now being booked. Our pens will be mated December 15th.

Our Prices Are Surprisingly Low

Write Us Today Just What You Want

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Reference—The American Trust Co., South Bend, Indiana



# FREE---BOOK OFFER---FREE

The Editors of American Poultry Journal want every reader to read our big free offer of the "American Poultry Journal Year Book for 1913," on back inside cover. IT'S FREE

## My Single Comb White Leghorns

Won more prizes at the Green County Show, Carrollton, Illinois, December 16-21, 1912, than all competitors combined, also winning Championship male and best cock, hen, cockerel, and pullet. 200 grand exhibition and breeders for sale. Mention American Poultry Journal.

**Chas. Myers R. 6 Carrollton, Illinois**

### Special Announcement

**THE OSBUN POULTRY  
FARM & HATCHERY CO.  
MANSFIELD, OHIO.**

Write for free catalogue giving prices of chicks, ducklings and breeding stock. Book your orders early this year and get the early chicks that will make you the most money. Every egg used in our hatchery this season will come from prize winning stock giving you in that way more for your money than any other plant in the business.

## White Orpingtons

Exhibition and utility stock for sale. At Illinois State Fair held last month we won 1st pullet and 2nd pen in the keenest competition ever seen at this Fair. If you want Orpingtons that are bred well up to the standard and at reasonable prices, write us.

**Mary Elizabeth Poultry Farm  
Monticello, Illinois**

## R. C. Rhode Island Reds

500 prizes at Madison Square Garden, Boston, New Haven, Providence and other leading Eastern Shows. Choice exhibition and breeding pullets and cockerels for sale, at reasonable prices. All stock sent on approval. Catalogue free. Mention Am. Poultry Journal.

**PAYNE BROS. - BOX J - PORTLAND, CONN.**

## Nicholson's Royal Blue Orpingtons and Barred Rocks

The following is a letter from one of our customers

Mr. Haldie Nicholson, Leominster, Mass.,

Dear Sir:

Have intended for some time to write and thank you for the beautiful trio of Blue Orpingtons that you sent me, and which were received in fine shape. I also wish to thank you for your more than liberal treatment of me in all of our dealings, certainly more than I had any right to expect. I am delighted with the Blues.

You will no doubt be interested to know that I won first cockerel and fourth pullet with them at the Great Conservation Exposition at Knoxville, Tenn. last month.

Please name me price on a Barred Rock cockerel, also 2 more Blue Orpington pullets.

Very truly yours, R. R. Campbell, Abington, Va.

**Haldie Nicholson**

**Leominster, Mass.**

## The Uhl Hatchery

We had a very successful hatching season as we hatched and sold 377,000 little chicks. This is the largest number we ever turned out in the 13 years we have been at it. We are prepared to turn out still more and better chicks the coming season from strictly first class show and utility stock. Place your order in good time. Catalogue free.

**M. UHL & CO.  
NEW WASHINGTON, - OHIO**

St. Joseph, Mo., will revive this year the big interstate show formerly held there. It will be held in the auditorium, one of the best show rooms in the United States, according to competent judges. Liberal regular and many special premiums will be awarded. The ribbons will be hung by judges of national reputation. St. Joseph has always been a good show town and breeders will be interested in the revival of interest there. The dates are December 19-22, immediately following the Missouri State Show in Kansas City. Breeders will be able to make both of these shows in one trip out, an advantage that is not inconsiderable.

The Missouri State Poultry Show and the Kansas City Poultry Show will hold a joint poultry exhibition at Kansas City, Mo., December 11-16, 1913. This changes the place of holding the Missouri State Poultry Show from Chillicothe to Kansas City. Judges for this exhibition will be Reese V. Hicks, C. H. Rhodes, E. C. Branch, Adam Thompson, C. A. Emry, D. T. Heimlich, V. O. Hobbs, T. W. Southard, E. W. Rankin, Tom H. Woods, J. W. Southmayd, Ralph H. Searle and L. H. Wible. For premium list and entry blanks address E. L. Noyes, Manhattan Bldg., Kansas City, Mo.

The Springfield, Mass., Poultry Club is glad to be able to announce after so long delay that the new \$2,000,000 Municipal Auditorium has at last been completed and will prove a most fitting setting for the big 1913 show which is to be held December 16-18 inclusive. Prizes aggregating \$3,000 in value are offered, and a glance at the list of judges will show the quality secured there. "Dick" Oke, "Charley" Wells, "Wid" Card, "Billy" Atherton and Paul Ives make a team very hard to beat. For full information write the secretary, H. L. Davis, P. O. Box 1424, Springfield, Mass.

The Westchester Fanciers' Club of Yonkers, N. Y., have found it necessary to change the date of their show and will give their next exhibition November 12-15, 1913. This change of date was made necessary on account of the armory building in which the show was held last year being under condemnation. A large hall in the business section of the city has been secured and everything will be done to make the show the greatest ever held by the club. Rudolph Appel, secretary, White Plains, N. Y.

The fifth annual show of the Terre Haute Poultry Association will be held December 31 to January 6, 1914. The show this year will be bigger and better than ever. Over fifty silver cups are offered as premiums besides over \$400 in cash prizes. Theo. Hewes of Indianapolis will judge the show by the comparison system. Premium lists now ready. Write or drop a card at once to M. Austin Potter, secretary, Terre Haute, Ind., and see for yourself the opportunity that is offered.

The Louisiana Poultry Fanciers' annual show will be held December 12 to 15, inclusive. They are making preparations to handle about eighteen hundred head and will give their usual high-class show. Entry fee will be \$1 for singles and \$3 for pens. Single entries cannot compete for pen prizes and pen entries are not eligible to compete for specials offered for single entries. Loring Brown of Smyrna, Ga., will do the judging. R. E. Brueger, New Orleans, La.

The Fayette Poultry Association of Uniontown, Pa., will hold their first show December 16-20, 1913. Entries close December 6, 1913. The association has purchased new coops and are preparing to hold one of the best shows in this section of the state. They are offering cash premiums, cups and specials that will insure strong competition. The premium list is now ready and can be had by writing to the secretary, M. B. Provins, Uniontown, Pa.

At a recent meeting of the Saratoga County Poultry and Pet Stock Association, Saratoga Springs, N. Y., it was decided, owing to certain conditions that have arisen, to defer holding their first annual show until next year.

The third annual show of the South County Poultry Association will be held at Westerly, R. I., December 11-13, 1913. Stanton, Ballou and Shove, judges. Send for premium list to Roger Dunham, secretary, Westerly, R. I.



**A Great Cockerel Sale.**

J. W. Parks, Altoona, Pa., has just issued his annual cockerel circular in which he describes a large number of choice Barred Rock cockerels that he has to dispose of this fall. All these cockerels are pedigreed and are from dams having records of from 217 to 236 eggs per year. Mr. Parks is not asking fancy prices for these cockerels, but is disposing of them at very reasonable prices. This cockerel

females from his noted pedigreed stock. There is probably no Barred Rock breeder in the country that is in a better position to supply the wants of the average poultryman than Mr. Parks. Write him for catalogue and prices, and mention A. P. J.

**A New Grain Sprouter.**

For the first time in this issue the Des Moines Incubator Company, one of the oldest and best known manufacturers in

to have points of exceptional merit. Unlike any other sprouter, the Successful is built in sections, which enables any one of our readers to buy the base and one or two sections of this wonderful sprouter at a small outlay. Later on, as soon as the requirements demand it, one can increase the capacity for green feed at a very nominal outlay by purchasing additional sections.

We advise every one of our readers to write to the Des Moines Incubator Co., 561 Third street, Des Moines, Ia., for their beautifully illustrated descriptive matter.

**From Massachusetts to Wisconsin.**

The Rockandotte Farm, which has been advertising in these columns for several years and have been breeders of the celebrated strain of White Rocks and White Wyandottes, has moved from Southboro, Mass., to Janesville, Wis., where they have excellent facilities for their rapidly growing business of breeding more White Rocks and White Wyandottes. They are now building an incubator cellar on their new place and expect to install three 10,200 egg Mammoth Incubators in con-



The above illustrations show some of the colony houses used by J. W. Parks, proprietor Wopsy Poultry Yards, Altoona, Pa.

sale is an annual affair with Mr. Parks and a great many breeders throughout the country take advantage of it. The accompanying illustration shows a number of colony houses on Mr. Parks' farm where he raises the cockerels that he is now offering for sale. His system of raising stock insures strong, vigorous, healthy birds, just the kind that is needed to produce strongly fertilized eggs. Mr. Parks also has for sale any number of

the United States, offers something new, practical and valuable to the poultry raisers. This concern, well established and well known to our readers as manufacturers of the highest class incubators, brooders and up-to-date poultry appliances, have now come forward with a new grain sprouter. This grain sprouter, as we notice from their literature, is not only entirely different from any other sprouter on the market, but also seems

**Grow Mushrooms**

Add \$10.00 to \$50.00  
a week to your income

Can be grown at home in basements, barns, sheds, chicken houses, etc. Will not interfere with present occupation. Small beds 5x10 feet, which cost practically nothing to start, often produce 60-70-100 lbs. which sell at 50c to \$2 a lb. Others make money in this business, why shouldn't you? It costs nothing to find out how to start, how to sell, etc. Send for illustrated catalogue. Address

A. V. Jackson, Falmouth Mushroom Cellars, Inc.  
132 Gifford St., Falmouth, Mass.

The largest modern mushroom farm in the world

# RHODE ISLAND REDS

## America's Foundatain Strain of Winning Rose Combs

Originated and perfected by I. W. Bean, Braintree, Mass.

## And the World's Most Brilliantly Distinguished Winning Strain of Single Combs

Originated and perfected by A. U. Dille, Wrentham, Mass., now united under one management at

## Old Acres, Foxboro, Massachusetts

To be bred, owned and distributed on the modern, progressive principle of

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OLD ACRES (Inc.)—Arthur U. Dille, President; Frederick L. Hayden, Vice-President; Irving W. Bean, Treasurer;  
W. H. Withington, (Formerly of White Birch Farm), Superintendent

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Old Acres, (Inc.) :- Box 304, Foxboro, Massachusetts



nection with breeding the best exhibition specimens of White Rocks and White Wyandottes. They will pay particular attention to developing a trap-nested strain of these breeds. The removal of this plant from Southboro will not in any way interfere with their business, as they have moved their entire flock of breeding and exhibition birds and are in a position to fill all orders promptly.

We expect, at an early date, to be able to give to our readers a full description of this new plant, which, when completed, will be one of the largest and most up-to-date in the country. Anyone desiring high-class exhibition birds for the coming show season should write W. R. Graves, Janesville, Wis.

### A Wonderful Achievement.

During the past few years there have been some wonderful records made at the poultry exhibitions in this country, but none more worthy of mention than the record made by Guy Daily, Jeffersonville, Ind., with his White Plymouth Rocks. Beginning in 1908 at Jeffersonville he won second, third cockerel and third pullet. At New Albany, Ind., 1909, first, third cockerel, first, third pullet, second pen. At Louisville, Ky., 1909, second, third cockerel, second pullet. Again at Jeffersonville in 1909, first cock, first, second, third hen, first, second, third cockerel, first, second, third pullet, first, second pen, silver cup for best display and every special offer. At Louisville, Ky., December, 1909, first, second, fourth cock, first, third, fourth cockerel, first, third, fourth pullet, third, fourth hen, silver cup for best display and six out of eight specials. In 1910 at New Albany, Ind., first, second,

third cock, first, third cockerel, first, second pen, second hen, third pullet and three out of four specials. At Kentucky State Fair, 1910, first, second third hen, first, third cock, first, second pullet and third cockerel. In 1911 he exhibited at Louisville, Ky., Indianapolis, Ind., and the Indiana State Fair, Kentucky State Fair and Tri-State Fair, Memphis, Tenn., and Chicago, and at all of these shows with the exception of Chicago he won more first and second prizes than all other exhibitors of White Rocks.

At Chicago in a class of 186 White Rocks and 19 exhibitors he won second cock, third pullet and fourth pen. In 1912 at the Kentucky State Fair he made 20 entries and won first, second, third cock, first, second, third, fourth, fifth hen, first, third, fifth cockerel and special for best cockerel in the show, all varieties competing, second, fourth pullet and special for best pullet in the show and a great many other special premiums. At Indianapolis, February, 1912, in competition with some of the largest breeders in the country he won first, second cock, first, third hen, first, second cockerel, third pullet and first pen and many specials. At the Tennessee State Fair the same year he won first, third, fourth, fifth cock, second, fifth hen, fourth, fifth cockerel, second, fifth pullet, second, fourth, fifth pen. At the Illinois State Fair, same year, he won first, second pen, first, third, fourth hen, second, third cock, fourth pullet. At the great Coliseum Show, Chicago, December, 1912, on 12 entries of the strongest class of White Rocks ever exhibited there he won first, third pen, fifth cockerel, best and grand championship on hen.

At the New York State Fair, September, 1913, after traveling three days without feed or water and being judged in less than two hours after arriving at the fair, his birds won first old pen, third young pen, first, fourth cock, second, third hen, third cockerel and first, fifth pullet. In all he exhibited 20 birds in a class of 101 White Rocks and 17 of them were in the winning, seven being first prize winners. The above record proves beyond a doubt that the Fairview White Rocks have been steadily improving and that now they are right up in the front, and this strain is so well established by remarkable winnings it has made both for Mr. Daily and his customers that everyone can depend on getting full value for their money.

In establishing the Fairview Strain Mr. Daily has always kept the utility values uppermost. By careful study and using of trap-nests during the breeding season he is able to mate his birds with a perfect knowledge as to their blood lines, laying qualities, as well as utility standing qualities, and in this as in all other lines of livestock, blood will tell. Mr. Daily is prepared to furnish birds that will win in any show in this country and at prices that are reasonable when quality is considered. He can also furnish breeding stock that is guaranteed to give entire satisfaction. Write him for his catalogue and mention A. P. J.

### Johnson's New Catalog.

To really get the bed-rock facts on making money from chickens, one should read the 1914 catalog written by the Johnson family. It's a new issue of the book that has been the means of getting hundreds of thousands of people interested in the profit making possibilities of poultry. It explains most interestingly how half a million or more owners of Old Trusty Incubators are making profits. When it is remembered that the Johnson family made a life study and work of raising chickens themselves, one can realize the basic facts their book must contain.

The 1914 issue is now ready to mail—fresh from the press. To anyone interested in making poultry profits we suggest writing the Johnsons for a copy. Read any chapter in the book and you will carry away some idea you can make money with. If there is anything you want to know about chickens, ask the Johnsons. The book itself is the most profitable chat on chicken raising that we believe was ever written. It's mailed free—postage paid—to anyone who writes for it, addressing Johnson, the Incubator Man, Clay Center, Neb.

Sunswick Buff Orpingtons (South Plainfield, N. J.) were a real revelation to us. Buff in all richness and soundness is seen in their birds. Their Allentown winnings are but another proof of their worth. They sure have the numbers and quality.

The S. C. White Leghorns of G. L. Wheeler, Penn Yan, N. Y., are sure to be heard from at this season's shows. We sure did see exceptional quality there in his old and young birds.

The Spring Water Poultry Farm, Stockton, N. J., is one of the best and most practical plants we have seen. S. C. White Leghorns are the specialty, closely followed by hospitality.

P. A. Demgar, Brown Station, N. Y., White Orpingtons, besides winning at the N. Y. State Fair won at Poughkeepsie, cock 1, hen 4, cockerel 1-2-5, pullet 1-2-3-5, old pen 1, young pen 1. This line has splendid quality. They win.

## OLLE'S Wh.&Partridge Rocks

Chicago Winners, offering some grand \$10 and \$15 trios, \$25 pens; also single birds. These birds will be shipped on approval. Catalogue free for asking.

P. J. Olle, R. 4, Box 111A, Racine, Wis.

We are manufacturers and headquarters for

## Meat Scraps and Poultry Bone

Hines Bros. Company  
Dept. 1 Union Stock Yards Chicago

## Corning Feed Mixer

The most thorough, quickest, Mash and Grain Mixer made. It whirles the materials around, and back and forwards, so that every particle is thoroughly mixed. Absolutely no other mixer to compare with the "CORNING" in any way, 3 sizes—HAND POWER, capacity 12 quarts, \$15.00; HAND or POWER, capacity one bushel, \$50.00; two bushel capacity POWER MIXER, \$75.00. Every breeder of any size needs a real mixer, a Corning Mixer. It saves time, feed and money, and gives so much better results from your flock than you can secure in any other way. ILLUSTRATED CATALOGUE FREE. Write to day.

WILSON BROS., Dept. C. C., Easton, Pa.

## Miller Bolted Sectional Buildings



### FRESH AIR MEN HOUSE

Oceans of fresh, still air at all times—floods of sunlight, without drafts or frosted combs. Eggs all winter.

Are better built than a carpenter would build—of dressed yellow pine, tongue and groove. 2x2 frame, when bolted together makes 2x4 supporting frame. Sizes 5x8, 10x16, 20x16 and 30x16 feet.

Build complete, in sections which can be bolted together in a few hours by anybody.

Windows in place, bolts furnished, everything complete—cost about the same as good lumber in your town.

Write for catalogue of MILLER BOLTED SECTIONAL BUILDINGS, which shows Hen Houses, Hog Houses, Garages, Corn Cribbs and other out-houses—all built in sections.

MILLER MANUFACTURING COMPANY,  
8092 Alabama Ave., St. Louis, Mo.



## Partridge Rocks and Buff Orpingtons

Am offering for quick disposal some rare bargains in Partridge Rock and Buff Orpington pullets. Also have a few fine Golden Pheasants to spare.

JENNIE MILNER, NORMAL, ILLINOIS

## S. C. Wh. Leghorns

A \$10,000 S. C. White Leghorn Farm in Missouri

We have 2,000 females to spare. Pullets, 1-year and 2-year old hens and 100 cockerels. Catalogue free; correspondence solicited. Address

Bella Vista Farm, Kimmswick, Mo.

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My expert, confidential service means real protection. Before applying for a patent, write for my booklet, "How to Save Money on Your Patent."

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## Riley's Barred Rocks

I have exhibited birds fit to win any show in the country, bred from my Madison Square Garden Winners. Write me just what you need and I will do my best to fill your wants at a reasonable price.

HENRY D. RILEY

BOX B, STRAFFORD, CHESTER CO., PA.

## Blue Orpingtons

The Strain of Champions

PINE LODGE FARM  
W. H. Depper So. Lincoln, Mass.

## S. C. Buff Leghorns

22 Years

## Columbian Rocks

8 Years

Prize takers. They please buyers. Old and Young stock for sale.

J. QUINCY DAWSON, Coshocton, Ohio





FIRST PRIZE WHITE ORPINGTON PEN  
AT PITTSBURG, FEB. 1913 AND WINNER OF SWEETSTAKE SPECIAL  
FOR BEST PEN IN SHOW OF PENS COMPETING  
Bred and Owned By J. S. BRADY PARKERS LANDING PA.





### A Visit to Arcadia.

History tells us that Arcadia is the central and most mountainous portion of the Peloponnesus (Morea), the inhabitants of which in ancient times were celebrated for simplicity of character and manners. At the present day Arcadia forms a nomarchy of the kingdom of Greece.

The Arcadia that we are interested in and of which we are going to talk about and the one that historians in the poultry world will write about in the future is located in the grand old state of Indiana. This Arcadia has been put upon the poultry map by Mr. A. E. Martz, the world's largest specialty breeder of Single Comb Buff Orpingtons.

During the week of the Indiana state

manner. Every foot of ground of the seven acres is utilized to the best possible advantage, but the arrangements of the yards and buildings has to be seen to be appreciated, and is certainly a masterpiece of planning.

Mr. Martz has made the breeding of Single Comb Buff Orpingtons his life's study and has the art of mating this variety down to such a fine point that he knows exactly what kind of stock he is going to get from this or that mating and the percentage of high class specimens that he raises each year proves this statement.

At the time of our visit he had several hundred head of young stock well matured that showed the most beautiful buff color we ever looked upon. But color is not all he breeds for, as his birds have

to give best results with the least labor possible.

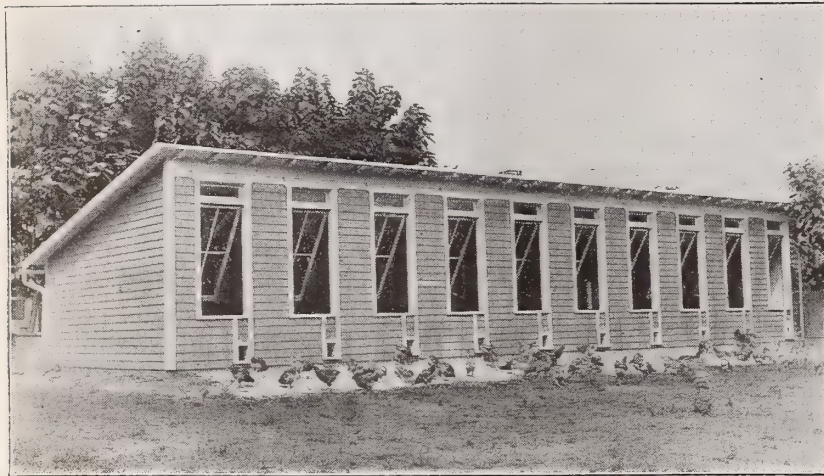
His catalogue gives list of prizes won, birds-eye view of the farm and other matters that will be interesting to anyone.

### Good Word from Arthur G. Duston.

A good word comes from Arthur G. Duston of South Framingham, Mass., good for him and good for all, for it serves as an indication of good business this coming season.

Mr. Duston writes us that the outlook for 1913-14 is remarkably bright. Calls come for high class stock, which is Mr. Duston's specialty, old customers coming back for show birds and breeders. Mr. Duston's stock in his customers' hands last season made phenomenal records of wins. He's the kind of a man that's more pleased to have a customer win than himself, although at Albany National White Wyandotte Club meeting, where over 300 of the best in the land from noted breeders' yards competed, he won the lion's share, something to be proud of after freely selling winners from Maine to Texas. It is such men as Mr. Duston who handle their trade in a clean, business-like way so as to command their respect and future orders, that have helped to put the poultry business on the high plane it has obtained during the past few years. With the numbers and quality Mr. Duston has on hand, he feels that this year will be the best he has ever had. As we see, he states in his ad you'll lose nothing by sending him 15 cents for his catalogue, for if you do not consider it worth the money it's yours free. By all means we advise you to get in touch with Mr. Duston. We guarantee he'll use you right.

If you are looking for White Rocks, look up the advertisement of H. E. Taylor's Stay White strain, which appears on another page of this issue. Mr. Taylor is breeding Rocks of splendid quality and his prices are very reasonable, quality considered. You will get a prompt reply and your money's worth if you deal with Mr. Taylor.



A new Brooder House that is a trifle out of the ordinary, designed by Mr. A. E. Martz, the well known breeder of Buff Orpingtons of Arcadia, Indiana

air the editor took advantage of an opportunity to spend a day with Mr. Martz at his home in Arcadia. We had seen photos and heard glowing descriptions of Mr. Martz's poultry farms and therefore expected to find something extra fine; but really did not expect to see the most model poultry plant he had ever visited.

The plant consists of seven acres right in the town of Arcadia and is a most pleasant sight, as every building and fence is uniform in appearance; the yards and runs are well shaded; drainage and sanitary conditions ideal. All of which lend an air of prosperity found only on the most modern and up-to-date poultry plants.

Mr. Martz is a living example of the great possibilities of the specialist and of "what is worth doing is worth doing well," for everything that is done on this plant is done in the most thorough

the true Orpington type and fine head points. In all there were about 3,500 head of stock on the plant and all of that beautiful golden buff.

Mr. Martz devotes his entire time to the business of producing and selling this one variety of fowl and has established a business that is paying him a good income. This has been done by close attention to the mating and growing the best birds possible and by giving every customer his money's worth.

During the past several years the Martz Buff Orpingtons have been consistent winners at all the large shows and therefore have a show record second to none in this country.

The accompanying illustration shows a new brooder house that was just about completed at the time of our visit. This house will be heated with a hot water system and electric lighted. It is built on the most improved plan and arranged

### A Positive Necessity Carter's Green Food Feeder

Capacity  $\frac{1}{2}$  bushel Cabbage, Beets, Clover, Suet, Meat Bones, etc. Can't injure head or comb. Green Food thrown on floor or in pans is half wasted, gets foul and is unfit for food.

Winnipeg, Manitoba, Jan., 1913  
Dear Sir: Money order enclosed. Send another dozen Green Food Feeders. They are just right. A. STEWART.

Price 30c. each. \$3.00 per dozen delivered free to you. Guaranteed satisfactory money refunded.

A. Q. CARTER  
Freeport, - Maine  
Patent Applied For



Everybody makes a home run who reads free offer on back inside cover

## FOXHURST FARM CHAMPION BLACK ORPINGTONS

Make a world's record at America's Imperial Show at Madison Square Garden, New York, 1912-13

**Won All FIVE FIRSTS, 22 Ribbons, 30 Birds Entered**

Show birds, cockerels and pullets ready to win at fairs, Fall and Winter shows, bred exclusively from our New York champions, also yearling cocks and hens shipped on approval, satisfaction guaranteed, at prices from \$10 to \$50. Write for catalogue. Mention American Poultry Journal.

**Foxhurst Farm, Lime Rock, Connecticut**



FIRST PRIZE HEN MADISON SQUARE GARDEN NEW YORK 1912-1913  
BRED & OWNED BY FOXHURST FARM, LIME ROCK, CONN.



### A Brief Sketch of One of America's Greatest Poultry Farms.

Situated twelve miles from the heart of New York City and facing on the main thoroughfare of one of New Jersey's picturesque suburban towns, Nutley, N. J., will be found the seven-acre farm of Kaufmann & Windheim, Rose Comb Rhode Island Red specialists, known around the world. Here may be seen one of the most complete poultry farms in the United States, one that was built from the finest of everything, laid out in systematic style and one that is kept in the best of condition the year around. Here may be found handsome buildings of the latest type, because these men believe that no building can be too fine to house birds of the quality they raise. Par excellence in Rhode Island Reds is the slogan here, and before you are half way around this farm you will start to wonder whether these two young men have an unforeseen art of producing specimens by the hundreds that bear close to the much-talked-of Standard of Perfection.

Neither Kaufmann nor Windheim are old men in years, but at scientific breeding, producing and rearing Rose Comb Rhode Island Reds it can be truthfully said that they are past masters. Nearly seventeen years of continuous study in this breed has given them experience which has proven a great advantage to them and a great handicap to their competitors. You could not find two more congenial, more frank or truthful men than these two. Kaufmann will tell you that "we two have been pals in business and pleasure since the days we played hockey together, and we never had a serious argument." This, he says, is the real secret of our success. "We started without a cent in the world, parents on both sides discouraged us, friends said there was nothing to the chicken business, but we started on a city lot, worked hard day and night and what you see here is but a part of the fruit of what we have sown." A farm that totals up over \$15,000 in value, growing every day, equipped from the beginning with the finest of incubators to a most handsome conditioning house and an office that contains the ribbons and cups that represent a "world's show record," one never equaled by any other Rhode Island Red breeder in this country. "It's a poor year," said Windheim in his frank way, "that we do not clear \$5,000 between us," and outside of this profit Mr. Windheim is paid \$1,200 a year as farm manager.

It matters not whether an amateur or a rival breeder drops in at this farm, he can have every question answered in a civil way. It matters not how personal these questions may be, these fellows will tell you the truth. They will tell you just how they started, just how they have bred, how they are breeding today, and they will tell you the mistakes they have made, where they have wasted money, where they thought they knew all there was to know in building this or that and found out after that they were all wrong. They will tell you that every year they put matings together that are all wrong and should not have been mated that way, even with all their experience; they will pick out this or that bird and say, "He is all wrong," and they will give you many "tips, we might say," that they use in producing quality and rearing chicks which are not usually found in books. Windheim's life study, it would seem, is to produce and raise 95 per cent of the young stock, to grow them right and to have the right bird for the right man when Kaufmann comes out of the office with his daily orders. Kaufmann says he is happy when he can please 95 per cent of his customers. It can be truly said these gentlemen have clear consciences. They are both fortunate enough to be broad-minded and know that their frank, fearless manner has played as big a part in their success as the quality they have put into the show room. A good instance of this is shown by the fact that a very great majority of their customers come back year after year. They said that sometimes it appeared useless to advertise as much as they do (and they are not what you could term large advertisers), as enough old trade comes to them each year to almost sell out. For the last three years they have been obliged to cut down their advertising right in mid-season, and they raise 2,000 and upward every year. Selling from \$10,000 to \$15,000 worth of stock in twelve months is not child's play, and when you consider that the greater part of this is trade from previous advertising, it is quite astounding. Every year since they have been in business they have been sold out considerably ahead of time, and when this farm has sold down to their breeders, that is the end of it.

Kaufmann & Windheim raise what they sell. When you visit their farm all they have is there. There are none on "this farm a few miles away," none "over the hill," or "down in the valley." All they have is right before you. You can see their very best and just what they will exhibit, and if you are earnestly interested they will catch them for you. They are strong for the fine points of a bird and it pleases them to have you handle one of their Bill Taft Line birds.

After wandering around for the best part of the morning I feel frank to say that they have at this time a flock now numbering only about 1,000 birds, but it was the most true to type and color flock that I have ever seen. I saw 500 cockerels, all with the blood of their great old ancestor, Bill Taft, their first prize Madison Square Garden, New York, and Boston cock, and never defeated. Many of these birds were three and four generations down, but they all seemed to resemble one another, in type and general color. I mentioned that they all looked alike and it should be easy picking for customers. "That is just the trouble," they said, "liable to let one go that will mature into a New York winner for a fair breeding bird price." While they were free to admit that last year they had but only a fair pullet year, this was a banner one. They have more good pullets this year than ever, and in one big 25-foot coop that was lately built they had 75 that were picked of all one size and color. I shall never forget this sight. In fact, I found them both sitting by the coop when I dropped in, pointing out certain pullets that looked their Venus first prize, color and shape winner at Madison Square Garden two years ago in the largest class of pullets ever shown at that great show. "We like to raise a nice lot of pullets," they said. We have a great male line and we get great cockerels, and

in large numbers, every year, but we must watch ourselves to get plenty of good pullets.

I saw their great Bill Taft, Jr., who is now on the retired list. This is the only Rhode Island Red in history that has ever sired, in one year, both first and second prize cockerels and pullets at the great New York show. This was accomplished year before last in the largest class of Reds ever brought to New York. He is ageing fast and you never could realize that he had been a great show and breeding bird. Then I saw their great old hen Salome, a six-time blue ribbon winner and never defeated. This hen won color and shape special in New York three years ago above all pullets, and she is the mother of their first and second New York cockerels, Bill Taft V and VI. She is also retired, and her final resting place will be in their private cemetery, where, just previous to my visit they had buried another great hen, Zaza by name, and the first prize winner at Madison Square Garden year before last. Every great show bird that dies on this farm is "planted" under their immense sign that stands twenty feet or more in the air. It reads Kaufmann & Windheim's Rhode Island Reds, known the world over, and Windheim says the birds that rest under it are what made it possible.

If you happen to be in New York City or anywhere in the state of New Jersey it will pay you to visit this farm. Whether you are a Rhode Island Red fancier or just a lover of poultry, it will do you good to visit a prosperous farm, one kept up like a "country gentleman's estate," but founded and built up from the profits made from customers who have received full value for their money, and many of whom are big rival breeders of this firm today. Here you can see a most ideal farm with its winding brook at the foot,

# Handy Help

## For Farm Homes

Old Dutch Cleanser lessens work in scores of ways.

**TAKES THE DRUDGERY FROM SCRUBBING AND CLEANING**

In the dairy, milk cans, pans and pails clean much easier and quicker.

**SAVES WORK AND TIME** in cleaning harness, feed boxes, carriage tops, etc.

Many Uses and Full Directions on Large Sifter Can—10c

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chicks raised the natural way with hens, chicks raised under the latest brooding methods, a show room with a hundred or more cockerels ready for immediate shipment at all times, well constructed colony coops, a late model breeding house 120 feet long and one of the finest brooder houses for its size in the country, every coop having extra long runs, well shaded with some 300 peach trees, a magnificent office and everything painted dead white with green tops on all posts. Here you will find what you need in Rhode Island Reds from a cockerel for good breeding purposes with royal blood in him for \$3 to one fit to win the blue ribbon anywhere, and above all, you can put reliance and confidence in the men who founded, developed and operate this plant.

### The Sunswick Poultry Farm.

Yearly it has been our privilege to visit the Sunswick Poultry Farm, South Plainfield, N. J., the great S. C. Buff Orpington plant of America, to see their stock and to enjoy a talk with Mr. Delafield, the owner and Mr. Arnot, the poultryman-in-chief. These are all pleasures I would wish every reader could enjoy, for to see this simply wonderful line of Buff Orpingtons as they are bred here and their ancestors for years is truly a cupful of joy long to be remembered, while a visit and a chicken-talk with Mr. Delafield is sure to be interesting and of worth to any man.

Formerly all the Orpingtons were bred here, but for the past three years the Buffs alone have had full sway here, with all endeavor and work concentrated in this one variety, with results most evident.

At this time were seen here 1,200 young birds—all buff, and basking in the sun with their beauty pronounced. Of these about 500 are now matured, selected in graded pens, showing their quality and the worth of rare true breeding in the entire flock.

Here were seen cocks and hens with a long line of winning records that have been carried up to this very month; birds that have stood the quality test at Madison Square Garden, New York, Chicago, Boston, Baltimore, Philadelphia, Allentown, Palace, N. Y., Augusta, Hagerstown, etc., etc. Birds that have won the greatest honors and that have produced stock of equal merit that in turn also have won and brought fame to this line and farm. Were it possible with space we would like to give the individual history and record of this line complete, as it is one of extra value. It is given in their catalog, a copy of which will be mailed to all requests.

In the young of this season it is evident that improvements have again been made.

The head points, particularly combs, are a choice lot of rare size and form. Eyes unusually good. They are large, rugged fellows with cockerels now weighing from 9 to 10 pounds. They stand well on legs well set and in color are a revelation of soundness and purity. Evenness in color from tip to tip is a feature. At the late Allentown show, among other prizes they won first pen and first cockerel. These two cockerels were here yarded together, a pair of surpassing beauty and value. The pen cockerel a wonder in soft even, sound buff, with ideal form and a sweep to back and tail that must be seen to be appreciated. We want to see the bird to beat him. This male, with his four mates in first Allentown pen, were a revelation in mating and matching for both shape and color, and won special for best pen at the show.

There were other cockerels here that will be heard from later. They seem to have every quality desired, and there is enough of them to go round—and then some. The pullets were of the same high grade and almost without number. In both males and females we handled several birds and were delighted with what they showed under. Buff has its natural defects which are hard to overcome, so when we see a flock of this value that are a high and uniform quality we are sure to appreciate it. Uniformity and evenness has no superior in the worth of a flock.

Baby Chicks are a feature of this farm. For the past two seasons their large incubator has been worked to the limit to supply the demand for day-old chicks. Eggs for hatching are also a leader, and we are glad to here state that several customers of this farm have recommended them highly to us for treatment received.

Now, at the approach of another show season, we note their preparedness to supply the trade with choice exhibition birds and of a quality to do credit to any show. In selected breeding birds they can also supply the wants of those who wish reliable breeders for next season's work.

It is indeed a pleasure to recommend the Sunswick line of Buff Orpingtons, the owner and the manager—they are worthy of every confidence.—H. P. Schwab.

### The Necessity of Using a Typewriter.

Today a typewriter is absolutely essential in writing business letters of any nature. It is an injustice to any business man or business house to correspond with them in long hand. Even though you write only one or two business letters a week, these letters should be typewritten. We all now-a-days have lost the ability to write in the beautiful flowing copperplate style of writing of our grandfathers, and the modern hand-written letter is re-

sponsible for an enormous number of mistakes of all kinds; some of them costing far more than the price of a typewriter. Most people, even completely recognizing the fact, that business correspondence should be typewritten, find that an expense of \$100 for a typewriter is beyond their reach. Even though they realize that it is expensive and undignified to try to get along without one.

There is an enormous demand today for a thoroughly reliable and satisfactory typewriter at a price within the reach of the man having even only one or two letters a week to write, that anyone using the complete and detailed instructions furnished with each typewriter can operate and produce perfect work with half an hour's practice, and Harry A. Smith, realizing this demand for a machine that can be relied on to do perfect work and give satisfactory service, is offering in this issue a typewriter that will write a clean-cut and perfect letter and stand up under the hardest kind of usage, at a price making it possible for everyone to enjoy this convenience and business necessity.

### The Spring-Water Poultry Farm.

From Trenton, N. J., to Stockton, N. J., 20 miles away, the traveler passes through the beautiful Delaware Valley, a section famous for its extreme beauty, fertile farms and historic value, for many of the scenes of our early struggles were enacted in this neighborhood that add zest to the visitor in these parts. Washington's crossing of the Delaware and his march through the state has left behind places and deeds of interest for the ages to come. Where war once raged, peace now grows crops of grains and fruits and has become one of our greatest poultry sections with a climate peculiarly well adapted to poultry growing.

The Spring Water Farm is but 3 miles from Stockton; the road leads you through the quaint town and out over the hills, through the woods and open places where a view of the country for miles around is had and which at the time of our visit were clad in their October beauty of colors; and arriving at the farm you have that home feeling that only experience can explain. This farm is owned by Mr. and Mrs. Frank J. Eppele, who are simply the "Boss and Missus" to all alike, but mere companions in fact.

From the upper porch of the house an odd little sign reads, "Duz-U-pleze" and it means all it says, so we entered its doors and made ourselves at "home" same as Frank Eucaliptus Platt, Baron Von Gink and other illustrious poultrymen before us did.

This plant in fact is a modern one, and with due respect to Mr. Eppele is largely the work of Mrs. Eppele, who devotes all her time to its management. The incubator cellar contains two large machines of 20,000 egg capacity, while the brooder house close by has 5,000 chick capacity. Over the incubator cellar is a large laying house where 600 to 700 layers are kept for eggs only; to the left of the house are the four large breeding houses and further on in the chestnut grove are the colony houses for special matings and the growing of the young birds. Then there is also the modern rat-proof corn crib with a 4,000 bushel capacity, the Old Stone Spring house, the club house for the "boys," the feed houses, stables, etc., all complete.

The Spring Water Strain of S. C. White Leghorns are bred here exclusively and have proven their worth, for they alone have made this beauty plant possible. Year by year both the flock and plant have been enlarged until today we find it not only a model plant but one of mammoth size with a capacity of eggs for hatching and baby chicks that runs way up into the thousands yearly.

We easily spent more than half of our day in looking over the birds seen here. While the old were in moult, we could still see enough of them to assure us of their fine quality, and if further proof were required we only had to turn to the young stock, of which there were 1,800 pullets on the place. In these we saw our fondest expectations in pure color shape and style. The long bodies, well carried tails, good legs well set, and nice heads were the rule. From first to last it was a most desirable flock and in perfect health and condition.

The cockerels also give promise for the future. Grand head points with the best of station and carriage were seen and they will bear watching at this winter's shows. A few of their hens were most in new plumage and their first Baltimore, Md., 1913 pullet was seen to

## DOUBLE QUICK GRAIN SPROUTER

### THE PERPETUAL POULTRY SILO

This is the fourth season that readers have seen in the poultry papers the following very familiar line:—

#### SPROUTED OATS — WINTER EGGS

and several thousand poultry keepers have immensely increased their egg yield by the use of the well known Double Quick Grain Sprouter—the original—the first—the oldest sprouter and made in the Largest Grain Sprouter Factory in the World. We have supplied many of the large and well known poultry plants in the United States, some having ordered as many as three to five sprouter after testing out their value.

Later—April 27—I am enclosing my check for two more of your No. 5 Double Quick Sprouters. The one I bought some weeks since is doing good work.—C. H. Latham, Beauty and Utility Barred Rocks, Lancaster, Mass.

October 7, 1912—On September 16th I ordered your No. 5 Double Quick Sprouter sent to Maud L. Kaler, Columbia City, Ind., and this one is proving so satisfactory that she wants another of the same size and therefore you will find draft in payment of this second sprouter.—Milo R. Meredith, Indianapolis, Ind.

September 14, 1912—I ordered and received from you last fall one of your 5-tray grain sprouters. This works very satisfactorily. I want one for 1,500 hens. Will you kindly advise me by return mail if you make a larger size and the price of same. Later—September 23—I enclose you my check for which please ship me rush one of your No. 6 Grain Sprouters.—E. A. Palmer, Providence, R. I.

Soon pays for itself. Makes two to four bushels of feed from one of grain. Sprouts in 24 hours and forces growth of 2 inches daily. Made in six sizes from a few pens to 1000. Send for complete Double Quick information.

Shows Oat Sprouts 8 Inches High

CLOSE-TO-NATURE CO.

38 Front Street

COLFAX, IOWA



advantage, although not as yet at her best. This female was pronounced one of the best out last year and she gives every promise of being a wonderful hen.

We believe that last year was the first that this line was exhibited at the popular and large exhibits, but enough of them were seen at the Baltimore and Camden shows to warrant their future success, for the evident improvement seen this year is their best and strongest comment. The even quality of the young was conspicuous, like peas in a pod in size and general form and carriage. With the results seen and noted here we consider Mrs. Eppele a pronounced expert in the feeding and growing of birds and we hope she will soon write of her experience and mode of work in this line, for her methods mean success for all those that will follow.

We hope to again later write of this plant, when time and space will permit and when the stock is matured and the matings are made, also showing some views of this place and a bit more of history connected with it. For the present we would advise our interested readers to write for their catalog, which fully explains their business and stock.—H. P. Schwab.

### Another Great Winning.

Dr. LeGear's White Rocks have again demonstrated their superiority by their great winning at the Missouri State Fair, September 27 to October 3, 1913. They had strong competition, but never lost a ribbon. Won every prize competed for. Made a clean sweep, and also Grand Champion bird of the whole show.

There were only three prizes offered in each class. We entered 1 cock, 8 cockerels, 4 hens, 4 pullets and 2 pens, and won 1st cock, 2d and 3d cockerel, 1st, 2d and 3d hen, 1st, 2d and 3d pullet, 1st and 2d pen, and the Grand Champion Sweepstakes bird of the whole show, all breeds competing. What more could be desired if you are looking for the best White Rocks in the country?

"Lady Ideal," our one-year-old White Rock hen, which was the Champion bird of the whole show, was the admiration of all visitors to the Missouri State Fair. She has snow white plumage, beautiful yellow legs, a long, broad back, low, well-spread tail, and is an ideal White Rock in every way. By being the best bird in the show she won the Useful Poultry Journal Silver Loving Cup offered for the Champion bird in the State Fair Show. She will be mated to the Blue Ribbon Cockerel at the Missouri State Fair, and this mating is bound to bring prize winners. We showed "Lady Ideal" last year as a pullet, and she won everywhere shown. All our birds are absolutely our own raising. We have cockerels hatched in March that weigh eight pounds, and pullets the same age that weigh six pounds. Bred and owned by Dr. L. D. LeGear, 713 Howard St., St. Louis, Mo. Farm at Kirkwood, Mo.

### G. L. Wheeler, Penn Yan, N. Y.

The "Wheeler Strain" of S. C. White Leghorns has been a leader for a great many years and is one of the two oldest and most reliable lines we know of. We have seen them at the shows for fifteen or more years, and during all this time they have been leading winners and prominent in the progress made in White Leghorns.

As an exhibition line this strain is probably best known, for they have made the prominent shows of the South, East and Mid-West with a record at each that stamps their quality of highest merit. For two years they won the leading prizes at the great Baltimore Show, and their roll of honor includes Boston, Pittsburgh, Buffalo and many of equal worth; besides these this line has been winning for customers the country over, no competition has been too strong for them; they are up with the best, and in dozens of cases we know of have won new fame for their breeders.

Our late visit was the first we have made to this farm in three years, during which time Mr. Wheeler has greatly enlarged his plant, and he has today one of the rarest and largest collections of fine birds that it ever was our good fortune to see. Here were about 40 cock birds of a class and quality to win excellent head points, large, long bodies, full breasts and correct station. Hens, many of them moulted and a rare lot, good size, combs neat and of fine texture, long tails well carried and full-feathered all positive white, with rich eyes and the best of yellow legs.

In cockerels and pullets our cup of joy

was filled. We have often written of the value of this line before, but we have never before seen the quality they have this year in their young, and it is not only found in a bird or two, but in all seen the quality was highest and of surprising merit. Here was seen dozens of cockerels, every one a prime one, with great promise and with characteristics alike as if moulded from the one pattern. In heads these birds were almost a revelation, with small, well-set combs evenly serrated. Straight and free from thumb-marks, smooth, small lobes and rich red eyes complete this section. They stand strong, up free and clean, with legs well set, full breasts, arched necks and long, sweeping backs with full, low-carried tails. To see them is to admire them, and to know their breeding and the value of their quality, for they have been carefully line-bred for just these qualities for years, is to admit them into the select class of worth and prominence they so well deserve. This line has been good for years, but it is far better now than ever before.

In pullets the same qualities in backs, tails, breasts, etc., was seen; they line up with the males in every way, for they also stand up clean with style and the best of carriage.

We were greatly pleased with all seen here. Old and young both show their excellent quality, which covers great numbers that will surely make their mark again this season. Mr. Wheeler has the quality to please. He is a dependable

breeder and can be fully relied upon to satisfy every customer with either exhibition or choice breeding birds.

A little later we will visit there again and will then write more of this line, which for general high grade pleased us greatly.—H. P. Schwab.

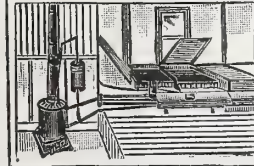
### The Rancocas Quality Farm.

The Rancocas Quality Farm, with Mr. M. L. Chapman in charge, is located nearly one mile away. This farm of 40 acres is entirely devoted to their Quality and exhibition line of S. C. White Leghorns and White Plymouth Rocks. Mr. Chapman has been at the head of this department ever since it was started some years ago and it has always been a delight to note the quality and the condition of these birds in the show room where they have been liberal exhibitors.

Records made tell the true story of worth, so let us here give a little history that belongs to this line. At the late New York State Fair, 1913, in a class of 289 S. C. White Leghorns they won a sweeping victory and cup for the best display of ten birds, any variety, at the show. Cockerels, 1, 2, 3, 4, 5. Pullets, 1, 2, 3, 4, 5. Cocks, 4. Hens, 1, 2, 3, 4. Young pen, 1. Old pen, 1. This with their winning at Trenton, Philadelphia, Hagerstown, etc., well tells the story of their worth.

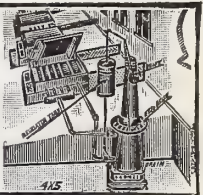
In White Plymouth Rocks this line has done equally well, winning at Boston, Buffalo, Trenton, Philadelphia, etc., in the past

### RIPPLEY'S



Combination Hot Water Heaters, Brooder and Poultry House Heaters and Steam Feed Cookers. And Ripple's Square All Galvanized Steel Hot Air Drums and Hovers. Are used and recommended by noted breeders. Will heat Hovers from 25 to 100 ft., also heat buildings or cook feed for stock, heat water in tanks. No other heaters on the market like them. Used by 20 State Experiment Stations. We furnish Piping, Hovers and Heater, or any part of outfit. Write for catalogue showing these outfits, also Ripple's Egg and Chick Shipping Boxes, Exhibition Coops, Whitewashers, etc.

RIPPLEY MFG. CO., Box 26 Grafton, Ill., U. S. A.



## USE GERMOZONE

**For Bowel Complaint** in old or young chickens: Clean up, change feed and give Germozone, a teaspoonful to a quart of drinking water

**For Roup, Colds,** watery eyes or nostrils, swelled head, nostrils stopped up, etc., a teaspoonful of Germozone to a glass of warm water. Inject through the nostrils into the head passages. Wash soiled places under the wings with same solution. Give Germozone in the drinking water as for bowel trouble.

**For Yellow Canker** or diphtheria in mouth or throat of chickens: Remove the canker and apply Germozone right from the bottle. One application generally effects complete cure.

**For Regulating Bowels:** Give Germozone twice a week as for bowel complaint. It is marvelous how much better chickens will thrive, grow, or produce when bowels are kept regular.

**For any Sore, Cut, Wound, Burn,** irritation, itching or tenderness of the skin, apply Germozone diluted, one teaspoonful to a glass of water.

**For Old Sores, Ulcers, etc.,** apply Germozone full strength (right from the bottle) once or twice a day.

**For Dogs, Singing Birds,** and pet stock, a little Germozone in the drinking water (a teaspoonful to a quart of water) is a great bowel regulator, mouth and throat cleanser. Many birds do not sing because of sore throat. Germozone will generally start them singing.

**Many other uses.** See our large pamphlet for complete list of uses of Germozone.

**GERMOZONE** may be purchased at most every town; 10,000 dealers in U. S. Fifty cents per bottle. Sample 10 cents postpaid. Booklets free.

**GEO. H. LEE CO., Omaha, Neb.**



The "ESSEX-MODEL"  
The Greatest Little Mammoth Ever Built

## Start With This Single Mammoth 800 Egg Incubator and See it Grow

With an Essex-Model 800-Egg Mammoth Incubator (the only one of its kind) you can start hatching on a fair-sized scale and grow by adding 400-Egg Sections when you please. This extraordinary offer has never before been made. Again the "Essex-Model" takes the lead. This little 800-Egg Mammoth is complete with Heater, Thermostats, Thermometers and Double Safety Regulation. Built on our long-used Standard principle, now imitated by other manufacturers. Nothing for you to do but screw on the legs and attach heater.

## Begin Right and Make Money Raising Poultry

You need dig no cellar. You can run it in your house or any other building. We manufacture

**America's Largest Line of Incubators and Brooders—19 Styles and Sizes**

WRITE TODAY for our Free Catalogue illustrating all kinds of Poultry Supplies. If you want to know more about this big little Mammoth, ask for Catalogue M. Address nearest office.

**ROBERT ESSEX INCUBATOR CO.**

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The "Essex-Model"  
Multiple Mammoth Incubator

Built on Our 10-Year Old Principle



years and this year at the New York State Fair they won: Cockerels, 1, 2, 4. Pullets, 2, 3, 4. Cock, 3. Hen, 1, 4, and 2d in both old and young pens, also first display. At the Trenton Inter-State Fair: Cockerels, 1, 2, 5. Pullets, 1, 3, 4. Cock, 1, 2. Hen, 1, 2, 3. Pen, 1. Special for best exhibit any variety, etc. At Madison Square Garden, New York, last winter they won: Cockerel, 3, 4. Pullet, 4, 5. Hen, 1. A record of class.

We came near overlooking in this year Boston and Philadelphia winnings on S. C. W. Leghorns last winter, which were: At Philadelphia—Cock, 1, 2, 5. Hen, 1, 2. Cockerels, 2, 5, 6, 7. Pullets, 3, 4. Pen, 2, 4. At Boston—Pen, 1, 4. Hen, 2, 3, 4. Pullet, 2, 4, 5. Cock, 3, 5. Cockerel, 5.

We regretted Mr. Chapman's absence, he being away judging at Trenton, but his assistant took every pains to show us around over the plant and to point out their winners. In both Leghorns and Rocks were seen their quality breeders and the growing young with great promise in all. We hope later to again visit these farms to see their matings and all birds at their best, when we can again tell our readers of the stock and doings there. It is a plant of interest, one to study and to follow, and we would advise every person who can to visit there. It is worth while. —H. P. Schwab.

### American Bred White Orpingtons.

Two or three years ago it was considered a foregone conclusion that in order to win first prizes in White Orpingtons at any of the leading exhibitions it was necessary to get imported birds from England.

That the breeding of this variety in this country during that time has changed all this may be seen by the results at the great Allentown Show in September of this year, when the two Grand Champion prizes for best bird in the show, the best ten birds in the show, the Futurity prize, and all the first and second prizes in the single classes were won by American-bred birds over the imported birds, and the prize for first pen was won by birds sold by the same farm.

This shows what can be accomplished by careful and scientific breeding, when birds of this variety raised by one American firm can carry off five firsts, four seconds, the Futurity, and two Grand Championship prizes against the imported birds as well as those of the other American breeders. This is all the more remarkable when it is considered that the Grand Championship prizes were for the best bird in the show, and the best ten birds of any variety in the show of about 3,000 entries, when it is remembered that this is the second consecutive winning at this same exhibition against the im-

ported birds, as the same firm last year won the two Futurity prizes, with four firsts and six other prizes, with White Orpington cup for best cock, hen, cockerel and pullet. It will show to the fanciers that it is not now necessary to send abroad to get the highest quality of this most popular variety.

This, however, is not a surprise to anyone who has visited the Aldrich Poultry Farm, of Columbus, Ohio, and seen the result of the matings of the present season. The visitor can there see not only a few, but dozens, and even hundreds, of White Orpingtons fit to contest and win in any exhibition in the world; one can see there what can be accomplished by careful selection and intelligent mating of one of the most popular varieties, and the members and superintendent of this firm are always glad to show their beauties to all lovers of fine poultry, and all such will enjoy a treat in seeing the stock and the beautiful yards and buildings of one of the leading poultry farms of the world.

### Tecktonius and Reed Combine Forces.

Another step has been taken for the further development of the well-known and popular Buff Leghorn. On October 1, the "Tecktonius" Poultry Farm, Racine, Wis.—known wherever fanciers of pedigreed chickens are found—was "christened" the Tecktonius and Reed Buff Leghorn Farm, and its joint owners will be exclusive breeders of the prize-winning "Tecktonius Strain"—Single and Rose Comb Buff Leghorns.

F. A. Tecktonius, whose exhibits for the past seven years have figured conspicuously at every poultry show of merit, will be senior partner. It will be remembered that Mr. Tecktonius made his start—a very modest start at that—nine years ago, on a back lot. Then, he had no experience to guide him—but he had ambition in plenty. Without prejudice, he gave seven prominent breeds of poultry an "efficiency test." As a result, he selected the Buff Leghorn as "the best general purpose fowl on earth," and today is breeding it to the exclusion of all others. He has built for himself the "Tecktonius Strain" of Buff Leghorns, with which, at every poultry show of note, he has carried the field before him, until there is scarcely a worth-while record that he has not annexed. Having swept the field at practically every show exhibited at for seven years, he has but recently determined, at the request of other poultry fanciers, not to exhibit at the December, 1913, Chicago show, unless his line has already been sold.

Mr. B. C. Reed, the new member of the

combination entered into by Mr. Tecktonius, is a professional in the care and rearing of feathered stock. His experience is wide and his efforts fruitful. He is, in fact, known as one of the most successful and scientific experts in poultry mating, and is thoroughly conversant with Buff Leghorn qualities—especially those of the controlling "Tecktonius Strain."

This combination of forces—for the further and more careful study of "barnyard eugenics"—is bound to make the "Tecktonius Strain" Buff Leghorns rank high among the "Four Hundred" of poultrydom. Mr. Tecktonius and Mr. Reed long ago decided—to their own satisfaction, and the satisfaction of many other poultry fanciers—the superiority of Buff Leghorns, both as prize winners and market price leaders. But there are, of course, always skeptics, and fanciers of other breeds, who refuse to be "convinced" until the last possible objection is removed. It is, therefore, going to be the self-imposed duty of the new owners of the Tecktonius & Reed Buff Leghorn Farm (as they say) to prove to everyone, beyond the possibility of a doubt, that the Single and Rose Comb Buff Leghorn is the best known breed for both market and show.

The Tecktonius Farm has for years produced prize-winning stock for such shows as Chicago, New York, Boston, Providence, Baltimore, Pittsburgh, Atlanta, Wheeling, Columbus, Cincinnati, Des Moines, Minneapolis, Kansas City, St. Louis, Memphis, Little Rock, Dallas, Houston, New Orleans, Spokane, Galveston, Regina, Sask.; Vancouver, B. C.; Milwaukee and Racine. Tecktonius stock is known far and near, and is represented in every state in the union and every province in Canada, extending to the remote borders of New Zealand, and into every nook and corner where recognition is granted for points of quality and productiveness.

Mrs. T. F. Waldron, Ogdensburg, N. Y.

There is nothing uncertain about the position our "lady" breeders occupy in the poultry world today. There are several who have made their care and work tell and we see it particularly in the training of their birds and in their most excellent condition. Mrs. Waldron is a breeder and exhibitor of White Plymouth Rocks, her exhibit at the late New York State Fair was one of merit and it is seldom we see birds in such grand condition as were hers. Her winnings were: Young pen, first; cock, second; hen, fifth, and cockerel, fifth—this in a very large and beauty class. In our report of the fair we were glad to specially commend her exhibit. —H. P. Schwab.

### Superb Flocks of Poultry Sold to a Southern Breeder.

To whom it may concern: This is to certify that I have this day sold to J. H. Wendler, of Lakeland, Fla., my entire flocks of Black Orpingtons, Silver Pencilled Plymouth Rocks, Columbian Wyandottes and Silver Laced Wyandottes. This sale is made without any reserve whatever and includes all of the winning and breeding birds of Owen Farms in these varieties, among the winning Blacks being first cockerel, New York, December, 1911; first pen and first hen, Chicago, December, 1912; first cockerel at Nashville and Memphis in the fall of 1912, winning the sweepstakes at both shows for best cockerel in the show, and my first and third cocks at the Greater New York Fair and Exposition. In Columbians it includes the first pullet at New York, December, 1911; first pullet at Brockton the same fall, and several other winning birds. In Silver Pencilled Rocks it includes several first prize winners at Madison Square Garden in December, 1911, and at Brockton the same year. The Silver Laced Wyandottes have never been exhibited.

This collection of birds will give Mr. Wendler without doubt the best flocks in these varieties in the South and as good birds as there are in existence, and I can heartily recommend all my friends and my customers in these varieties to go to Mr. Wendler and I know that he will give them absolute satisfaction.

My reason for selling these flocks is that I wish to give all my time and room to my five main varieties, White and Buff Orpingtons, White Plymouth Rocks, White Wyandottes and Single Comb Rhode Island Reds.

Maurice F. Delano,  
Successor to Owen Farms.

## 5,000 Grain Sprouters

## 1/2 Usual Price



Front  
Contains  
More Glass  
Which  
Gives More  
Sprouts

Made in 4 Sizes

This is exceptionally good news to thousands of poultry raisers who have long contemplated the purchase of an efficient Grain Sprouter, but felt they could hardly afford the price.

By buying large quantities of raw material—best lumber, steel, glass, etc.—for cash, we secured it at a discount of about 40%. This saving we give to you. But the low price we are thus enabled to make is

### Good for November ONLY

as we may be forced to buy additional material in the open market and pay the full price, the same as others. Today we stand as a dominant force in cutting the price on dependable grain sprouters and if you as a poultryman, realize the necessity of feeding fresh green food to your fowls, you will order one of our machines—not because it sells at about 1/2 the usual price others charge, but because

## Reliance Grain Sprouters

are the most efficient machines ever built. Thousands of these low-priced grain sprouters are in use on the most successful poultry farms in America, on country farms, in city suburbs—saving and making money for their owners.

Figure it up for yourself what the "Reliance" will do for you. Count the egg money doubled, the feed bill cut in half, the healthier and plumper chicks that bring better market prices. Then count the saving in cost of the "Reliance" and you can see you are losing money every day you delay.

The "Reliance" will produce three to four bushels of sprouts from one bushel of grain and do it quicker with less care and attention than other machines. In fact, there is

**None Better Made—No Matter What the Price**

The "Reliance" has double walls, heavier insulation, extra galvanized iron linings, galvanized trays, strong screening. The lumber is of highest grade, the heating system is better, the ventilating system is faultless, besides the front contains more glass which induces larger quantity of sprouts. Don't put it off any longer, but get a "Reliance" in action at once.

Write right now, and learn what a really low price we place upon our machines. Facts and literature will be sent by return mail. We ship same day order is received. You have several sizes to choose from. See literature.

**RELiance INCUBATOR CO., Dept. 35, FREEPORT, ILLINOIS**

Manufacturers of Grain Sprouters, Incubators, Brooders





### Removal Notice.

Mr. F. A. Kaup, the Buff Orpington specialist, formerly of Chicago, advises us that his Buff Orpington business has increased to such an extent that he found it necessary to get into larger quarters. With the profits gained from his Buff Orpingtons he has just completed a modern residence in Glen Ellyn, Illinois, which is twenty-two miles from Chicago on the Northwestern Line, and also on the Aurora-Elgin Line (Third Rail Line). By the time this appears in print Mr. Kaup will be permanently located at his new address.

In the orchard and on the several acres of land surrounding his home he has started to build a poultry plant that will be modern in all its appointments down to the minutest detail. In the larger fields he will rear many more birds to satisfy the increasing demand for his Buff Orpingtons, and he will thus be in a still better position to furnish more and better birds to his customers. Each year he shows an increasing list of customers who have won prizes with his strain.

Mr. Kaup advises that he has booked orders for many exhibition birds to be delivered in the pink of show condition next Winter and still has a few to spare in cocks, hens, cockerels and pullets that will make a splendid showing for their owners. Not only do they show their fine quality now, Mr. Kaup says, but they have years of prize-winning blood back of them which will manifest itself when breeding the birds when properly mated.

On account of not having all the new buildings on the new plant ready for the birds at the time of moving, Mr. Kaup will sell many of his last year's breeders at reduced prices. Better get in touch with him now and get one of his latest catalogs, which is one of the finest published in Buff Orpingtons. Readers of the American Poultry Journal may obtain a copy of this catalog, which contains 36 pages and many fine illustrations of his prize-winning Buff Orpingtons, by addressing F. A. Kaup, Drawer K-1, Glen Ellyn, Ill., and he will send a copy by return mail. Mention the American Poultry Journal when writing.

### The Wilburtha Poultry Farm.

The Wilburtha Farms, Trenton Junction, N. J., devoted to S. C. White and Buff Leghorns, S. C. Reds and Columbian Wyandottes, proved a surprise to us in their large plant, fine stock and beautiful location, close and running to the Delaware river, the bank of which as well as the drives and line fences lined with giant oaks, hickorys, walnuts and chestnuts, which add beauty and a background to the scene from every point. The capacity of this plant is again being enlarged by the addition of a mammoth breeding house so they hope they can keep up to the demand for hatching eggs and baby chicks made upon them in the future for their favorite line of birds.

Mr. Wm. D. Campbell is in charge of the poultry here, a man long known as a breeder, exhibitor and judge, and from the progress he has made here we look upon this as his greatest work.

The incubator cellar here is one of extreme size with high ceilings, assuring fresh air and proper ventilating for the mammoth machine. The brooder house likewise is built on same plans with proper height and is a light and airy room with an abundance of fresh air and plenty of daylight for the young to enjoy.

We could write pages of the buildings and equipment seen here, for they are practical and ideal and worthy of copy, but here also we saw flocks of chicks that interested us greatly and we will hurry on to tell our readers of the birds while in the mood, and let it suffice to say that the entire equipment of buildings are along modern and practical lines that assure results in breeding.

**S. C. WHITE AND BUFF LEGHORNS.** At the late great Allentown Fair these farms, among several prizes won on both their White and Buff Leghorns, won first prize cock in the Whites and from a large and beauty class of birds. In style and carriage as well as in head points and finish this is one of the rarest birds we have seen out this season. Their best females were in heavy moult and unshown, but with this cock and several of the young seen here they will have many exceptional matings to breed from the coming season.

In Buff Leghorns the same can be said. In these they have particularly one cockerel of extreme beauty and value. He is sound and even in color, with choice head and as fine bone and frame as we see on

the best of the Whites. Tail carried extra low and the desired sweep in back with full breast. Old birds mainly in moult excepting one hen which was seen in perfect feather and one we looked to to win easily at Allentown.

### COLUMBIAN WYANDOTTES.

These are Mr. Campbell's old favorites and they have a beauty flock of them, large in numbers and of great quality with the true Wyandotte form. In markings we believe this to be an exceptional flock of birds, handling many of them we found their great quality in wings, necks and tails, the tail coverts being particularly choice in markings. In both cockerels and pullets the one uniform quality was evident, the full, deep and broad breasts and the full cushioned backs with well spread tails tells the story of their worth, topped off with choice Wyandotte heads.

### S. C. RHODE ISLAND REDS.

This is one of the varieties that this farm looks to with pride, and well they may, for they have a line of birds that promise much more than even they expect. While we saw many good birds here in both old and young, and in both male and females, we saw two cockerels and two pullets in particular that are as sweet as they make them, positively sound in color surface and under and of

a form that set us to dreaming of their possibilities. This kind of stock has a future and the farm which has it can well expect absolute success with it. In the old birds were seen several to attract favor and attention. A noble cock (the size of the cockerels mentioned) was lording it over a pen of selected females that for color and shape were marvels, length of backs were particularly good.

There was evenness of quality and character in the birds seen here in all their varieties, and if we are again invited will surely try and pay them another visit, for we have interest in such breeding and would want to inspect their matings as Mr. Campbell would make them.

Mr. Fiske, the owner, and his son are both interested fanciers. They have the success of the plant at heart and with a natural love for poultry and a desire to have the best promise to make this a great and successful plant. They have made a right start and good beginning and can confidently look to the future for deserved success.—H. P. Schwab.

Wm. Cook & Sons, originators of all the Orpingtons, Scotch Plains, N. J., have just won at Birmingham, Ala., in Buff Orpingtons first cockerel, first pen, first cock, first hen, second pullet; in White Orpingtons, first, second cockerel.

## The Complete Report of the Best Baby Chick Raiser in America **BOOK FREE**

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## International Sanitary Hovers

Used in an Ordinary Laying House

Perches and Nests Removed



**T**HIS Hover has stood every climatic test from Panama to Quebec. Practical poultrymen, state experiment stations, and poultry judges indorse it. You can raise chicks anywhere with it. No specially constructed houses are necessary. Sanitary Hovers are as practical for the back-yard poultry raiser as for large poultry farms. They are warmest at the curtain—usable anywhere. No crowding or smothering of chicks—no kneeling in mud to get at the lamp—no cutting of holes nor building of platforms. In the Sanitary Hover you get the best brooding device.

The illustration shows how the Rancocas Poultry Farm used 440 Sanitary Hovers in their regular laying houses.

**6 IN 1 EXERCISER AND FEEDER.**—This Exerciser and Feeder has every advantage found in exercisers of other makes; and in addition to the grain exerciser, it contains six other compartments for dry mash, beef scrap, charcoal, grit, oyster shells, etc. It eliminates all other feeding devices.

**60-EGG HATCHALOT INCUBATOR.**—The 60-Egg Hatchalot Incubator is not only a fine hatcher but the best incubator for the price on the market today. The mild heat prevents evaporation of the moisture, so that all eggs with chicks in them will hatch, and every chick will be as large as the eggshell will allow. Price \$7.50.



Send for Complete Catalog

Hover-Incubator Mfg. Co., Box 511, Browns Mills, N. J.



first cock, first pen, first pullet; in Black Orpingtons, first cock, first pen, second cockerel; first pen in Blue Orpington and Diamond Jubilee. Also \$100 cup for best Orpingtons in show and \$75 cup for best display in whole show and cup for best bird in the show, 315 Orpingtons competing. They also won first prize at Nashville, Tenn., on a White Orpington cockerel. At Birmingham Mr. L. C. Leadbeater, a prominent attorney of Birmingham, won Wm. Cook & Son's \$100 cup for best Cook Orpington in the show. This gentleman purchased the first prize White cockerel from Mr. Cook. P. A. Cook reports business better than ever with his Orpingtons.

### Pape's Single Comb Black Minorcas.

Chas. G. Pape, Fort Wayne, Ind., has had experience covering 18 years in breeding and developing the highest type and purest strain of the beautiful and prolific Single Comb Black Minorcas which has placed the Pape strain as near perfection as that breed has attained.

When the writer visited him in the early part of September he had 1,500 head raised on four separate farms.

When we visited him last year we were very much surprised with the grand black plumage, practically free from purple, and to our astonishment they run over 30 per cent better in color and with the purple shade eliminated. They ran very large and long in back with fine carriage of tail, combs fine in size, texture and many with five points. This applies to both sexes. The real fact is they run so near perfect that a blind man could pick out winners and scores of them.

Mr. Pape has many in show condition and can furnish winners for any show in the country. He contemplates showing at the Panama Exposition.

This farm is located three miles out of the city of Fort Wayne and contains 24 acres of that Indiana land so productive and well adapted to poultry culture. His buildings are fine, practical and convenient. He is a persistent trapnester and has hundreds with 200 eggs per year records. His cock bird "Colonel Jackson," was never defeated as a cockerel or cock bird, and was awarded championship honors at New Orleans, all varieties competing. "Easy Money" was acknowledged to be the greatest Minorca cockerel ever shown. He won at New

Orleans last season first prize and gold leg band, also American Poultry Association silver medal and diploma for best shape cockerel. "Queen," longest and largest pullet, won first at Minneapolis and New Orleans for best shape bird in the Mediterranean class. At Detroit, 1913, he won first pen, first and second cockerel, first and second cock, first, second and third pullet. With two pairs of dry picked cockerels entered at Chicago he won first and second prizes on dressed poultry in the Mediterranean class. At Greater New York Exposition, August, 1913, he won first, second, third and fourth cock, second, third, fourth and fifth pen, first, second and fourth cockerel, first, second, third and fourth pullet, first and best pen, Manhattan Beach special cup for best display, gold special for best display of Minorcas, all varieties competing; cup for best display of Minorca eggs.

Mr. Pape advocates "it may be a little farther around the corner of a 'square deal,' but the road is better," and he not only preaches this but practices it also. Write for catalogue and prices to Chas. G. Pape, Fort Wayne, Ind.—H. H. Curn.

### Blue Ribbon Black Orpingtons.

Personally the writer is a great admirer of the Majestic Single Comb Black Orpington and looks forward with pleasure each season to his annual visit to the Blue Ribbon Farm at Columbus, Ind., and to talk things over with its genial proprietor, Carl J. Carter, and feast his eyes on those paragons of perfection, the Blue Ribbon Orpingtons.

This farm is one of nature's beautiful spots and lies four miles north of Columbus and forty miles south of Indianapolis, Ind., on the direct line of the Louisville division of the P. C. C. & St. L. R. R. and on the I. C. & S. Traction Co., Stop 51. It can be reached by train coming from any part of the United States and visitors are always welcome. The home plant contains 10 acres and the farm 100 acres, divided by the public highway. The farm is used for ranging young stock and has a splendid wooded pasture, corn fields, wheat fields, clover fields and alfalfa. No wonder Orpingtons on this farm have that beautiful glossy green black. Ten acres are used for breeding yards and winter quarters and for brooder runs for young stock. All yards are set with fruit trees which furnish shade as well as fruit. The buildings are all painted red and furnish a good background for the Orpingtons. A convenient distance from the residence is the office, which is well furnished and has the many blue ribbons conspicuously and tastily arranged and silver cups galore.

Underneath the office is the incubator cellar, 12x50 feet. In it is one 6,000 egg capacity Hall Mammoth incubator. Opening off this in "L" shape is a brooder house 18x60 feet in which is installed a Hall Continuous Brooder system and Paradise Brooders and several individual hovers. A passageway four feet wide and three feet deep makes the care of chicks much more convenient. The conditioning and shipping rooms are also above the incubator cellar. One conditioning room is equipped with 50 single coops and 14 pen coops, all large and roomy. All of this is under one roof and saves a lot of energy for Mr. Carter, who handles the large correspondence, selects and crates every bird sold, packs the eggs, sets the incubators and removes the chicks from the incubator to the brooders.

There are 20 colony houses, open front style, two Tolman plan houses, 20x36. There are also 48 colony houses that can be put on runners and changed from one field to another. Think of the advantages of that. In these houses most of the young stock is matured. The other buildings are barns, granaries, dairy buildings and other outbuildings. When we visited the farm there were over 1,500 head of stock with quality heaped up and running over and when it comes to type what Orpingtons can discount the S. C. Black for ideal type, and to go one better, what strain can surpass the Blue Ribbon Strain? This strain has been a consistent winner at the leading shows during the past several years and at the late Indiana State Fair they showed young birds, immature, and old birds in entire new plumage and won first pen and other prizes.

Mr. Carter has a lot ready for early shows that can win in the hottest competition. In Mr. Carter's hands his birds have proved themselves great layers. His



## ONLYA FARM WHITE WYANDOTTES

Start the season with a "killing" at Allentown, Pennsylvania. (Note other exhibitors and awards in the report of Allentown in this paper.) First, second and fifth cockerel, third and fifth pullet, fourth and fifth cock, first hen, first and third pen, grand futurity stake with first cockerel. We have a lot of fine young stock as well as old for sale at prices that bar competition for the class of stock we are sending out. Write us for what you want from a single bird to an entire string. Birds shipped on approval and ready for the show room if desired. Mention A. P. J. when writing.

Chas. Staaff, Mgr. : Florham Park, N. J.

# If PURINA CHICKEN CHOWDER

## wont make your hens lay, they must be roosters

Col. Purina

Purina Chicken Chowder is a dry mash which contains just the ingredients to insure an abundance of eggs right through the Winter. Dry Purina Chicken Chowder should be kept before hens all of the time. The more Chicken Chowder Biddy eats the more eggs she will lay. Hens should also have Purina Scratch Feed, two or three times a day, in a litter.

## Col. Purina guarantees More eggs or money back

to any poultry raiser who uses Purina Chicken Chowder according to directions and fails to get more eggs.

Purina Poultry Feeds are for sale by the leading dealers. Your dealer will order them for you, if he doesn't already carry them in stock.

### Poultry Book Free

For your dealer's name I will send you this 48-page Poultry Book, containing plans of houses, breeding and feeding charts, space for daily egg records, cures of diseases, care for baby chicks, etc. It also contains information about Col. Purina's half price galvanized iron Chick Drinking Fountain [2 for 25c] and more details about his galvanized iron Automatic Chicken Chowder Feeder [50c]. Write today.

Col. Purina, Purina Mills,  
801 S. Eighth St., St. Louis, Mo.





February hatched pullets began laying the first of August. Write him for his beautiful catalogue.—H. H. Coburn.

### Buschmann-Pierce Red Farms.

Annually we visit the great Buschmann-Pierce Red Farms at Carmel, Ind., and during the week of the Indiana State Fair we made our annual visit. This farm is owned by a stock company of which Fred Besuden is president, Jas. Hooker vice-president, W. C. Pierce secretary and treasurer and general manager. All of the above named fanciers are also directors, together with D. F. Storchmeyer and C. H. Besuden.

The main plants of this farm are located at Carmel, Ind., 15 miles north of Indianapolis and only a few minutes ride on the Indiana Union Traction Line through a beautiful country or 30 minutes ride on the Monon railroad. These farms are so nicely located, commercially and geographically, that they can reach any point of the United States rapidly, so that birds will reach their destination quickly and in good condition, and the fertility of eggs is not weakened by any delay on the road.

Plant No. 1 at Carmel, Indiana, is where all orders are received and all shipments made from. At this farm there are 36 buildings 10x16 feet with yards 50x100 feet. These are arranged in rows with drives or streets between so birds can be fed with horse power. There are also 60 colony houses 4x6 with scratching sheds 24 feet long, 100 ft. brooder house, incubator cellar, shipping room, feed room, conditioning building, setting hen houses, residence for superintendent, house for assistant and families and numerous other buildings. The houses are very sanitary and built on commonsense plan. The labor of caring for the birds is minimized to the limit. W. C. Pierce has an office on this farm with telephone connection with his main office at his home in Indianapolis. Mr. Pierce dictates all letters and has plenty of work for typists to handle during his absence at the farm, for he goes to the farm every day and superintends and selects all birds for shipment and he knows what to send the customer every time and can tell what is required to win at any show in the land. His wide and long experience as a judge enables him to do this. He has had more than ten years' experience of mating and breeding Rhode Island Reds alone. He was

chairman of the revision committee, which passed on and then admitted the Rhode Island Reds to the Standard of Perfection. As heretofore stated, Mr. Pierce has charge of all the auxiliary plants. Plant No. 2 is in charge of D. F. Storchmeyer, one of the best limited space poultrymen in the world. He stands without parallel in growing young stock and securing great egg production in a limited space. Mr. Storchmeyer is a veteran Red breeder, having bred them for more than 14 years in the West and during that time was a successful exhibitor.

Plant No. 3 is under the direction of Fred Besuden, who is president of the company and is located at East Norwood, Ohio. Mr. Besuden is a most capable young fancier to whom the raising of fine poultry is the keenest pleasure.

Mr. Fred Baker is in charge of plant No. 4, which is four miles out of Carmel, Ind. Mr. Baker has bred Reds for the past 8 years and is an artist in his line. His farm contains 36 acres with all necessary buildings and he raises pure Buschmann-Pierce Reds.

This farm had between seven and eight thousand head of stock in September and will run short before the season is over. The quality of the Buschmann-Pierce Reds is more easily imagined than described. They run uniform in rich, brilliant red, having fine undercolor, the type is grand and they are large and healthy, tail carriage at the proper angle and head points fine. They will mate their birds early in December for the early egg trade and will start their incubators about the middle of the month. Write them for Red book, which is a good one.

H. H. Coburn.

### Scranton's Reds.

B. H. Scranton, Rising Sun, Ind., lives breathes and dreams Single Comb Rhode Island Reds. He is in such close touch with his Reds that he can glibly tell the pedigree of each and every bird and what it will produce when mated certain ways. The fact is he devotes his entire time and attention to the improvement of his strain and has been working on these lines for the past ten years and now has some of the best Reds the writer ever saw.

He has the mating art reduced to a science and is reaping a most flattering harvest in return for his close application to

business. Personally he is one of the most pleasant and trustworthy men of the day. Aside from being such an enthusiastic and successful fancier he has always borne in mind the great utility possibilities of the Majestic Rhode Island Reds and consequently his Reds have size and bone and great egg records. In September he had 1,500, and a decided improvement in type from last year. He has a lot in show condition for the November and December shows that can win in any spot on this globe. He will not exhibit at the fall shows, but will make the good ones in the winter.

His birds have won at Hagerstown, Chicago, St. Louis, Indianapolis, Cincinnati, Kansas City, Louisville and many other shows for years. His Hagerstown winning cock has proven himself a great sire, as has also his first cockerel at Chicago, 1911.

Bear in mind Mr. Scranton can give you the pedigree of every bird you purchase. His birds are farm and range raised. His fine home on the edge of Scranton contains 10 acres, but most of his young stock is raised on his beautiful farm of 325 acres where he has some 20 colony houses and all other buildings necessary. He mates up some 20 pens with specials and grand champion matings included, but keeps nothing on the side for himself. He is ready for the earliest egg trade of the South and is centrally located for shipments. Write him for prices on show birds.—H. H. Coburn.

Geo. A. Kersten, Washburn Park, Minneapolis, Minn., breeder of Columbian Wyandottes, reports the following winnings at the late Minneapolis State Fair: First, second, third cock, first, second, third cockerel, first, second cock, second, third pullet, first, second, third pen.

Bruce & Abbot, Whiteland, Ind., breeders of S. C. Buff Orpingtons, state the following winnings at the late Indiana State Fair: First, second third cock, first, second, third hen, first, second, third cockerel, first, second, third pullet, third pen. The Bruce & Abbot Orpingtons are not only beautiful in color but are grand in type, head points and size. They have grand show birds to offer.—H. H. Coburn.

# FALL SHOWS ARE DUE!!

ARE YOU READY? IF YOU HAVE A  
WEAK PLACE IN YOUR SHOW LINE

## Remember Fishel's World's Best

## White Wyandottes

This is the winning strain from ocean to ocean  
and the lakes to the gulf.

### They Fear No Competition

For just a few dollars we will send you a cock, cockerel, hen or pullet that will win the desirable prizes for you in any show.

We grow our stock on free farm range where every bird has room to find the proper insect life and to fully develop into a strong, vigorous and healthy specimen.

We can supply your every want for we grow birds by the thousand. If it is utility birds you want, remember that we keep in mind, at all times, the real purpose of the hen — meat and egg production.

Our prices are fair and right, and we take a personal pride in pleasing our customers. Send twenty-five cents for catalogue.

**J. C. FISHEL & SON, BOX J, HOPE, INDIANA**





### The Linden Poultry Yards.

As usual in the leading classes at the great Allentown Fair the battle for honors is most severe. Barred Rocks have long been one of the leaders here and for years the battle for supremacy has raged among the breeders from several states. This year was no exception and produced a new champion in the Linden Poultry Yards of Dunellen, N. J., and owned by Mr. E. B. Latham. Their winnings were first cock, second hen, first cockerel, second pullet, first pen, Futurity Stakes on first cockerel and several specials, including those for shape and color.

In their first prize cock we found a bird of exceptional quality, his wonderful color and barring making him one of the unusual kind seldom seen and we were ready to accept the proffered invitation to visit their home and lost no time in making this. There we again met Mr. Price, the poultryman, and were shown

lot, one in particular a hen of rare quality in color and barring. The even, snappy surface and the clean under-barring made her one of great beauty and value both as a show hen and a breeder of worth.

This line of birds shows merit and we confidently look to it to repeat the winnings already made, for line breeding is had here in its true state and the entire flock shows the quality we would expect in a high class of birds.

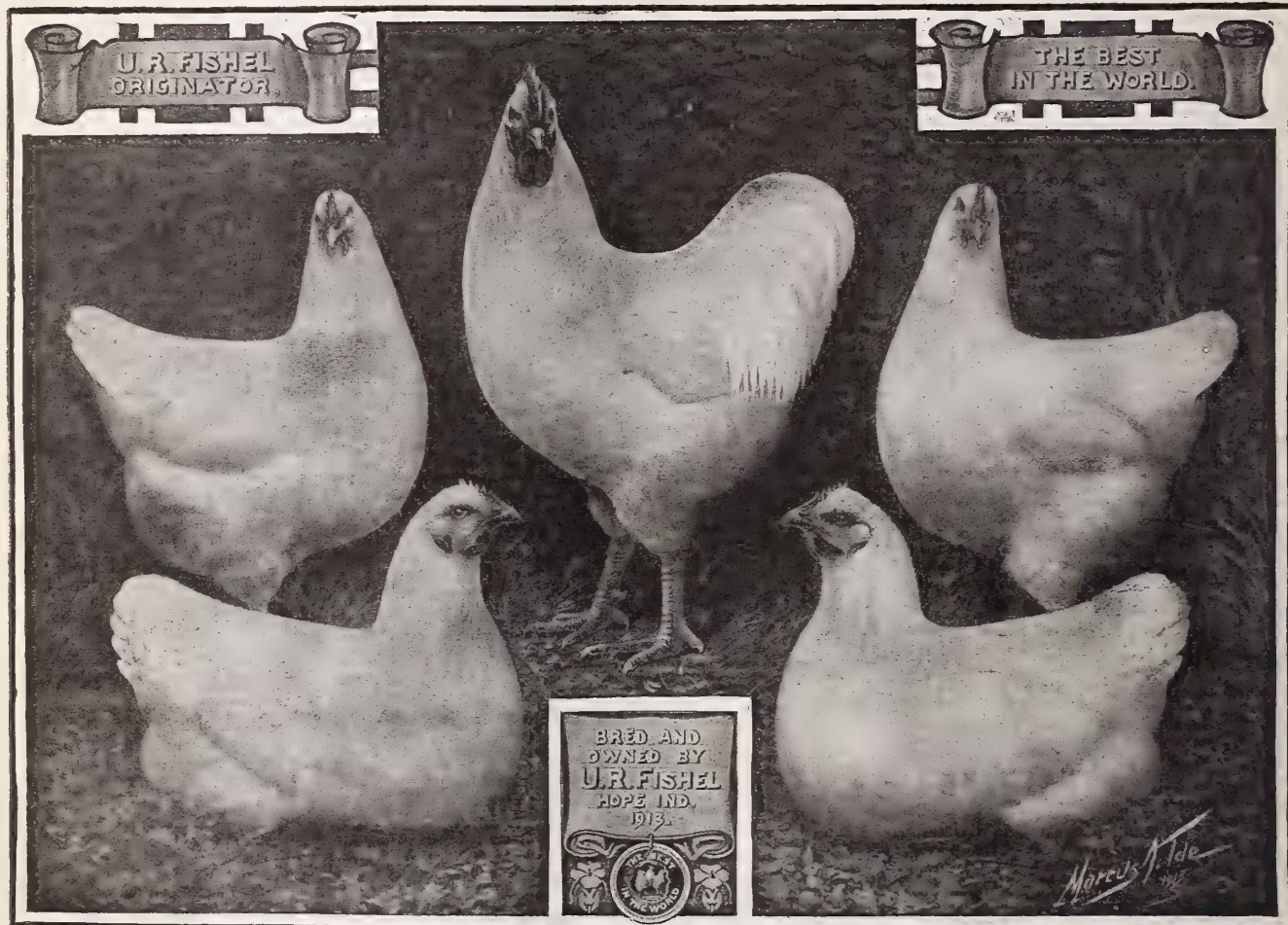
We regret that Mr. Latham, the owner, was away at the time of our visit, as he has made a deep study of this variety and we are at all times anxious to meet such men.—H. P. Schwab.

### Ralph Woolery's Farm.

The S. C. White Orpington Farm of Ralph Woolery is situated five miles south of Bloomington, Ind., on the Clear Creek road, in one of the oldest and best communities of the state. The land is lime-

tons, he won seven ribbons, club cup for third display and two special cups. At Indianapolis, January, 1912, he won second, fifth pullet, second, third, fourth cockerel, fifth hen. All the winners and all the sires of the winners were bred by him. At the late Indiana State Fair he won first, second cock, first hen, first cockerel, second pullet and first pen. If you want some show birds he can furnish them for any exhibition. Write for prices and address R. W. Woolery, Bloomington, Ind., R. No. 4.—H. H. Coburn.

When the writer had the opportunity as well as the pleasure to visit the very up-to-date little poultry plant of W. F. Zimmerman, Willoughby, Ohio, he found over 300 of as good R. C. Rhode Island Reds as seen this year. They were exceedingly fine in color and of very rich brilliant red. The type is typical Rhode Island Red, running fine in length of back and tail carriage, the combs were neat, lobes red and eyes bay, in fact did not see one off colored eye and I looked them over very carefully. Mr. Zim-



U. R. Fishel's White Plymouth Rocks have been bred in line for something like twenty years and that excellent quality known to the Fishel White Plymouth Rocks only can be seen on all his fowls. Mr. Fishel says he has the best lot of fowls this season he has ever reared

over the plant, seeing the above cock running at will and a large flock of his young and others of the same line.

In cockerels of both cockerel and pullet breeders they have a large and choice line just budding into maturity. They show the desired quality in form and in barring have the narrow bars with fine contrast of color, sharp and clean. The dark pullets are of the same fine quality and birds of promise.

Their pullet line has also made its mark by producing the second prize winners at Allentown and the first prize pullet at Trenton, also the females in winning pens.

At the Trenton Interstate Fair their winnings were: First cock, first hen, first and second cockerel, first and second pullet, first and third pen, medal for best display and winners special for best collections, etc.

Their first Allentown pen was of old birds headed by a noble cock showing similar quality to their winner in the open class. The females were a choice

stone soil, with a good southern slope, making the natural conditions for poultry raising ideal. Mr. Woolery is partial to the colony house style of building, although he has long buildings divided into pens for his layers and breeders. He has just completed a very fine conditioning house, equipped with every practical necessity, with a capacity of 90 birds, and he ships his birds already conditioned for shows. At present he has 800 youngsters developing into exhibition and breeding quality. His birds are very white, of excellent type with extra fine head points, and especially good bay eyes.

In mating his yards Mr. Woolery makes type and size of bone very pronounced specialties and has cockerels hatched June 2 that weigh 11 pounds at six months. He hatches and raises many chicks with hens and has them stationed along a corn field and these prove to be some of his best ones. At the National Club Meet, in 1912, in competition with 26 breeders, showing 136 White Orping-

merman is located among the best Red farms in Ohio and has ample opportunity to post himself on Reds. As he is located on the outskirts of Willoughby he raises all of his young stock on range. His buildings are principally of the colony house type. He will exhibit at Cleveland and Chicago and has a lot of show birds ready for the show room at the present time and can furnish winners at a very reasonable price. He will mate up his birds early for the winter egg trade. Eggs are gathered as soon as laid and carefully packed so as not to become chilled in long shipments. Look up his ad and write for prices. Address W. F. Zimmerman, Willoughby, Ohio.—H. H. Coburn.

Buschmann-Pierce Rhode Island Reds won at the late Indiana State Fair, 9 firsts, 9 seconds and 5 thirds out of a possible ten of each. This speaks louder than words for their quality. This farm is located at Carmel, Ind., and is the largest exclusive Red farm in the world.—H. H. Coburn.



**Crowther's Reds.**

When the writer visited the farm of Ira M. Crowther at Willoughby, Ohio, in September, he was pleased to see Mr. Crowther in person and enjoying good health, as a year ago he was too ill to see him. Mr. Crowther is a man of artistic taste and selected one of the finest locations for his farm of five acres, which is a continuation of Euclid Ave., which is conceded to be one of the most beautiful streets in the world. As he is located 16 miles from the Cleveland Public square, on an electric car line two miles west of Willoughby, the advantages give him excellent shipping facilities.

Some three years ago Mr. Crowther predicted the new color requirements for reds that today are here. Practically every winner at our largest shows last year were dark rich brilliant red. There is no question about the dark color being necessary to win and it has positively become permanent. Mr. Crowther wants them as dark a red as can be produced and still be red and not mahogany. Last year he discarded every female bordering on light color and cut his breeding pens from 25 to 15. In handling many and carefully looking over his entire flock I can truthfully say that they are among the finest in type, length of back, low carriage of tail and the most beautiful in color I ever saw or handled. He was preparing a large number for the show room at the time of my visit and they are coming along fine. He can furnish winners for any show room. He has branched out into Rose Comb Reds and these, too, are of most excellent quality. I never saw better type nor size.

The original Aristocrat, after which the strain was named, fixed the type and color. He has proved a great sire, having produced the first cock Indianapolis, 1910, first pullet Chicago 1910, also two pullets in each first and second pen, and Lady Aristocrat, besides many other wonderful individuals like Aristocrat III and Aristocrat IV. Lady Aristocrat II was the international champion pullet at Buffalo, 1910. It will be remembered what Mr. Crowther's Reds did in Chicago in 1910, where he went with 13 entries and won 1-2 breeding pen, 1 cockerel, 1-4 hen, 1-5 pullet and 2-4-5 cock, losing only 1st cock. He also won on his 1 cockerel club special for best color and best shape and many other prizes. At two of Chicago's great shows the Crowther S. C. Reds won 5 firsts, 2 seconds, 1 third, 2 fourths, 3 fifths, shape and color special on male twice, color special for female. He has also won at other large shows, such as Cleveland, Buffalo, Youngstown, etc.

His buildings are chiefly of the colony house type with yards running back to the New York Central and Nickel Plate railroad, and the green grass and beautiful trees present a very pleasing view. He raises his youngsters on range and many with hens. Stop 29 of the C. P. & E. lands you at his door. Write for prices and catalogue. H. H. Coburn.

**Roseland S. C. Buff Orpingtons.**

It is very gratifying to admirers of fancy poultry to visit a specialty farm so beautiful and well managed as that of Mr. Chas. Switzer, known as the "Roseland," the home of the Single Comb Buff Orpingtons, South Euclid, Ohio. The writer visited this farm in September.

Roseland contains 51 acres of perfectly drained land, making the soil well adapted on which to raise strong, healthy fowls. This home is located on Gates Mills Suburban electric line, Stop 18, out of Cleveland, making possible all the shipping accommodations of Cleveland, South Euclid being a continuation of Cleveland.

Mr. Switzer is not only a lover of Buff Orpingtons, but is a lover of flowers also and takes great pleasure in showing his beautiful grounds as well as his Orpingtons. His large lawn is bordered with choice shrubbery and innumerable rose bushes and he has a bed of peonies containing 160 varieties. Opposite his residence is a lake of pure spring water which makes very sanitary ice and on its bank is a large ice house.

Mr. Switzer is most original in his plans for poultry buildings and his buildings are in a class by themselves. At the time of our visit there were 950 youngsters and 450 adult birds, including some grand cock birds that have never been mated. Mr. Switzer has the mating art down so fine that his birds are a decided improvement each year. This year they are marvels for color, buff all over and to the skin. The type is fine and they are mammoth in size. They were raised from such birds as first Cleveland pullet, 1912; first Cleveland cock, 1912; also second in Chicago in the same year; first Pittsburgh pullet, and

many other birds with classy show records.

Mr. Switzer always gets out to our best shows and will be a hard one to beat at the coming Chicago show. His birds won yearly at Chicago, Cleveland, Pittsburgh and other large shows. Write him for prices on these conditioned birds that are winners.—H. H. Coburn.

**Smith's Buff Leghorns.**

It is known to thousands of readers of American Poultry Journal that F. S. Smith, Hamilton, Ohio, is one of the largest breeders of S. C. Buff Leghorns in the country, and is also a large breeder of Indian Runner Ducks, but for the benefit of those who are not familiar with the above statement and for the beginner, will state that he raises them by the thousands on farms in the vicinity of Hamilton, but hatches them at his home plant. The terrible floods of last spring did Mr. Smith a great deal of damage and had it not been that he had hundreds of birds out in the country his Leghorns would have been a dead loss to him, but he managed to save many of his best breeders and is thankful for having succeeded in raising about four thousand, although this leaves him short two or three thousand. Another thing he is duly thankful for is the fine quality of these birds.

He culls closely and severely and the farmers gladly keep the ones he rejects as

layers for their own use. His Buffs are a decided improvement in color, which was always remarkably good, hundreds being that beautiful shade of soft golden exhibition buff and that to the skin. It has been our custom to annually make a tour of the farms by automobile and I could but remark on the great improvement of head points and type, hundreds with the much desired longer back and lower tail carriage.

To return to the flood, Mr. Smith was one of the greatest sufferers, as 17 squares of Hamilton were submerged and the water was above the ceiling in his house, he and his family being rescued by boat. All of his poultry buildings, of which he had many, were swept away, and his 58 beautiful show cups, ranging in value from ten to two hundred dollars each, were buried in mud and battered and jammed beyond recognition. Mr. Smith is beyond putting up a hard luck story or in any way makes himself an object of pity, but the writer will take the liberty to say on his own responsibility that your patronage, large or small, will be greatly appreciated. He certainly can meet your wants, either in high-class exhibition birds, grand breeders or utility stock. Heretofore he has mated 44 pens and hopes to arrange to make good again this year. His birds have won in 13 of the largest and best shows in America as well as winning in every state and in foreign countries in the hands of his patrons.

Mr. Smith has always been a popular

## WILBURTHA S. C. WHITE AND BUFF LEGHORNS, S. C. REDS, COL. WYANDOTTES

Stock for sale. Eggs for hatching. Baby chicks. The Wilburtha Strain of Leghorns was well placed in all classes at the great Allentown Show. Our first prize S. C. White Leghorn cock was pronounced a "masterpiece." We aim to breed our varieties all up to the highest state of perfection and practical worth and assure the trade of absolute satisfaction. Write us your wants. Mention A. P. J.

WILBURTHA FARMS, C. J. Fiske, Owner, Wm. D. Campbell, Supt., Box A, Trenton Junction, New Jersey

## LLENROC REDS

Formerly Alt's Reds—Make great winnings at New York State Fair, September, 1913, and at Toronto National Exhibition, 1913. At New York State Fair they won under Judge Card 1st and 3d cockerel, 1st pullet, 1st young pen, 4th cock, 5th hen, \$25 in gold for best display. At Toronto they won under Judge Drevestadt 1st and 2d cock, 1st hen, 2d and 3d cockerel, 2d pullet. At these two great shows the judges and breeders agreed that never before had there been so large a class of Reds and competition so keen. We furnish cockerels and pullets for any show. Address

Henry W. Alt, 87 Fuller Street, Buffalo, New York -- John E. Houck, Black Creek, Canada

## SINGLE COMB BROWN LEGHORNS

First prize winners at Madison Square, New York, Chicago and Philadelphia.  
Prices reasonable. Write for circular. Mention A. P. J.

Frank Schellang, Route 8, Erie, Pennsylvania

## FISKE'S WHITE LEGHORNS

ARE IN A CLASS BY THEMSELVES

Let me sell you your show birds and breeders. Have over one hundred cocks at \$2.00 up. Mention American Poultry Journal.

Skylands Farm, Harlo J. Fiske, Mgr., Sterlington, New York

## Evergold Buff Wyandottes

"The Sky Is the Limit of Evergold Quality"

What is an Evergold? It's a good Buff Wyandotte from the world's leading strain whose home is Rocky Run Farms, Box 50, Northfield, Ohio. A beautiful catalog all about Buff Dottes, 20c. Price list free.

W. G. Marshall, Owner -- Gerald Williams, Manager



fancier and the banquets he has given the boys who had anything to do with handling his birds, are considered the events of the season. He is mailing his water soaked catalogue, the reading of which is intact. This book fully explains how he does it and shows cuts of birds as seen on the home place, untouched or made up, for Mr. Smith is decidedly on the square. Write him for prices and address F. S. Smith, Hamilton, Ohio. H. H. Coburn.

### Foster & Johnston.

In the early part of September the writer made his annual visit to the farm of Foster & Johnston, Ft. Wayne, Ind., the well-known Black Orpington breeders. This farm is located about three miles out of the city and is among the finest locations in Indiana. It contains 40 acres of rich undulating land with excellent drainage and the beautiful grove of trees and large orchard just taking on a suggestion of autumn tints added to the glory of the scene, as well as affording plenty of shade for the comfort of the Duke of Kent Single Comb Black Orpingtons.

At the time of our visit there were 1,200 head of fowls divided into flocks on three farms and raised on range, so they had all the room necessary to grow them big and I assure you they are big, massive fellows, regular models in shape and low on shanks, which are well spread, giving them great breasts. This firm reports an excellent business for the past year and will be all sold out of hens before this issue reaches you. They have a lot of fine cockerels and cock birds in show condition for the early shows.

Mr. Johnston lives on the farm and is a "live wire," on the job all the time and a very successful fancier. He knows how to mate them right and how to keep them right and how to round them up for the show room—and here please note that a Black Orpington does not have to be washed. Just keep him hungry and hustling until a week before showing, then put him where he cannot wallow in dust and groom him occasionally with a silk handkerchief, and at the last feed raw eggs mixed with cornmeal and bran, and he will shine like a diamond.

This firm does business on the square all times and will be pleased to quote you prices on show birds and breeders. Address Foster & Johnston, Fort Wayne, Ind.—H. H. Coburn.

### Llenroc Reds.

In the future the S. C. Rhode Island Reds bred by Henry W. Alt and John E. Houck, Buffalo, N. Y., will be known as Llenroc Reds. This strain has been bred successfully for several years by Mr. Alt and he has advertised Alt's Reds. Some time ago Mr. Houck joined forces with Mr. Alt and they have decided to use a new name and will advertise and exhibit their Reds as such. Mr. Alt has exhibited his birds for many seasons and won many prizes at Buffalo and elsewhere. At the recent Toronto National Exhibition the Llenroc Reds were awarded first, second cock, first hen, second, third cockerel, second pullet, six regular prizes on seven entries. The following week at the New York State Fair, at Syracuse, in one of the strongest classes of S. C. Reds they won first young

pen, fourth cock, fifth hen, first, third cockerel, first pullet, a record that indicates they have the required exhibition qualities. They have raised several hundred head of young stock this season that have had the advantage of free range on Mr. Houck's farm at Black Creek, Ont., and these birds give promise of turning out several winners. Anyone who desires to secure a first-class exhibition bird or a good breeding pen should write Henry W. Alt, 87 Fuller Street, Buffalo, N. Y.

### An Important Factor in Hatching.

The modern incubator is a wonderful hatching machine when equipped with a reliable heat regulator and absolutely accurate thermometers. Success in hatching depends upon a correct uniform temperature being maintained throughout the incubation period. With an unreliable and inaccurate thermometer, the best incubator becomes no better than a soap box as a hatcher.

Every strong, lively chick you hatch means just that much more chance for your success. Then don't trust your hatching eggs to an incubator that has not an accurate—*"Tycos"*—thermometer in each egg-chamber. The best poultrymen use and the best incubator manufacturers equip their machines with *"Tycos"* thermometers.

Read what Mr. Walter C. Ernst, breeder of Plymouth Rocks, Houdans and Leghorns, Hillside Poultry Farm, Hinton, Iowa, says:

"Have been engaged in poultry raising for a number of years and have had a good many thermometers, but since using the *'Tycos'* I have had bigger and better hatches than ever. No one could make a mistake by buying *'Tycos'* thermometers."

*"Tycos"* thermometers tell you the exact temperature. There's no danger of chilling or overheating the eggs in your incubator if you heed their warnings and adjust the regulator to meet the heat requirements.

*"Tycos"* instruments are manufactured by the Taylor Instrument Companies, Rochester, N. Y., the well-known makers of high-grade thermometers for all purposes. They have an instructive little booklet, *"Thermometer Facts Worth Knowing,"* which tells how *"Tycos"* instruments are made. It will be mailed free to the readers of American Poultry Journal. Better write today for a copy of this little booklet.

### A Free Sample Copy.

Of the Reliable Poultry Journal, one of the most practical and helpful poultry papers published, will be mailed you upon receipt of a postal card request.

A 3-months' trial subscription will cost you only ten cents. Stamps are acceptable. Address Reliable Poultry Journal Pub. Co., Box E-13, Quincy, Ill.

Ralph Woolery, Bloomington, Indiana, breeder of S. C. White Orpingtons, made the following winnings at the Illinois State Fair, Springfield, Ill., on 10 entries: 1-3 cock, 2 hen, 1-3-4-5 cockerel, 2-3 pullet, 3 pen in a class of 106 White Orpingtons. The first cockerel was a real surprise in superior quality; he was in full feather, pure white, low five point comb, red eyes and true Orpington type. Judges Pierce and Hewes pronounced him the best Orpington in the show. Mr. Woolery is strong in quality of cockerels and has 100 in show condition. He made several fine sales at this fair. He also won at the Indiana State Fair 1-2 cock, 1 hen, 1 cockerel, 2 pullet. Write him for prices.—H. H. Coburn.

T. A. Faulds, London, Ont., Can., the well known breeder of Rose and Single Comb Black Minorcas, writes us that he has decided to dispose of his entire flock of S. C. Black Minorcas. In this variety Mr. Faulds certainly has the quality, judging from the winnings at the big shows on both sides of the line. He exhibited at Canada's greatest fall show, National Exposition, Toronto, in September, and won on S. C. Black Minorcas, fourth, fifth cock, first, second, third cockerel, first, second pullet. Nearly 100 S. C. Black Minorcas in class and quality the highest. Do not delay if you are looking for high quality at low prices.

F. L. Deer, Franklin, Indiana, exhibited 14 of his White Plymouth Rocks at the Tennessee State Fair, Nashville, Tenn., and won prizes on every bird, winning 1 cock, 1-2-4 hen, 2-3 cockerel, 1-3-4 pullet, 1 pen. The winnings of his Rocks was the comment of all who saw them.

# Poultry Books

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American Standard of Perfection...	2.00
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## What Every Poultryman Should Know.

One of the first things the beginner should learn—and the old-timer, remember—is that a judicious system of feeding is not only very essential to the well-being of poultry, but care in feeding fowl has also a very great influence upon the profit or loss of the business.

That fowls cannot be remunerative if starved, can be taken for granted, so the prime object of feeding is to give the quantity and quality of food which will produce the greatest amount of flesh and eggs.

There is one important article of diet, without which it is absolutely impossible to keep fowls in health—and that is an ample and daily supply of green or fresh vegetable food. The omission of this causes about half the deaths of fowls, when kept in confinement, besides reducing the quantity of eggs laid to a ridiculously small number.

This green food is even more necessary to chickens than to adult fowls, for it is to its use that splendid fowls are built up, that the fertility of eggs is increased, that egg production is doubled. And, since this green food may be obtained in quantities averaging three to four bushels from one bushel of grain, through the

medium of the Reliance Grain Sprouter, it is also the most economical of all foods, as bushel upon bushel of it can be produced at a cost of little more than 10 cents each.

The Reliance Grain Sprouter has passed all tests and also stands in the front rank as far as construction is concerned, at the same time it sells at a price much lower than one would think possible. The concern manufacturing this grain sprouter is located at Freeport, Ill., and operates under the name of the Reliance Incubator Company. Write direct for any information and prices, and mention this paper.

## Carter's Green Food Feeder.

It remained for Mr. A. Q. Carter, Freeport, Maine, to produce the most original and practical green-food feeder that we have seen in all our travels. Having seen it in actual use we are pleased to recommend it and to call it to the special attention of our readers.

The feeder is made of strong pliable twine with a large mesh, is sanitary and should last for many years and can be used to feed cabbage, beets, clover, alfalfa, meat, bones, etc., and can be used in the coops or in the yards.

Green food is one of the most essential ration for poultry and particularly when and where it can be fed in variety. It helps to keep the stock healthy, insures more eggs and no doubt improves fertility. The best results we have seen attained have been when green food was liberally fed in variety.

The feature of this feeder is that the food can't get dirty and there is positively no waste. It answers every purpose, and for any kind of food.

Write Mr. Carter for his circular. The feeders are sold at 30 cents each, or \$3 per dozen. Try them on your plant. We have found they fill a long-felt want.—H. P. Schwab.

## Opens Branch in Galveston, Tex.

The spirit of business enterprise which characterizes the aggressiveness of the H. W. Johns-Manville Co. is once more evidenced by the opening of a new office and warehouse in Galveston, Tex. The H. W. Johns-Manville Co. now boasts three offices in the Lone Star state, viz., at Houston, Dallas and Galveston. At the last named place, in a modern brick warehouse of large proportions, will be consolidated the stock for distribution to the different offices and throughout the firm's Texas territory.

Galveston, because of its location and shipping facilities, makes an ideal concentration center. The company plans to receive direct at this point heavy shipments by coastwise lines from New York. The steadily increasing trade with Central and South America also makes Galveston a convenient point of distribution.

The H. W. Johns-Manville Co. is among the country's largest houses dealing in roofing, building materials, packings, pipe coverings, insulating materials and electrical goods, and is the world's largest manufacturer and distributor of asbestos goods. This concern owns extensive asbestos mines in Danville, P. Q., Canada, and has nine factories located in various cities throughout the United States.

## Big Profits in Eggs!

There's a good, substantial profit in eggs at any time of the year, but now, when prices are sky-high and likely to go higher still, there's absolutely no better proposition for the poultryman or farmer.

This raises the question, "How can I make my hens lay in winter?" The answer is just this: "Feed them right."

The food a hen ordinarily gets in winter does not force her to lay. In summer she gets insects, grasshoppers, worms, etc. In winter all this is missing. If you want your hens to lay, you must give them something to replace it.

What's the best food? Why, fresh cut bone is the one right thing. This food will absolutely compel your hens to lay. You'll get as many eggs in winter as you did in summer.

It means economy in feed, too. Just consider this—a piece of raw bone the size of a turnip will feed 10 to 20 hens. Cost to you at the most 2 or 3 cents—in many cases, nothing. Now can you see where you save on feed? Fresh cut bone is by far the lowest priced and most efficient egg-producing food.

The best way to prepare it is in a Humphrey Green Bone Cutter. We have tested

this machine and found it second to none for its purpose.

The makers—Humphrey & Sons, White St. Factory, Joliet, Illinois—publish a free book, "The Golden Egg," which explains thoroughly the right feeding of hens for egg production. If you desire fuller information on this money-making method, write them at once for a free copy.

## Bourne Big Number Poultry Band.

This band consists of an aluminum carrier, which has folded edges that allow a celluloid number strip to be inserted. The aluminum is one-half inch wide and varies in length to suit the different breeds. The number strip has either one or two large numbers, as shown, which are five-sixteenths of an inch high, hence can be read from a distance. The smaller sizes have only one number but the larger sizes have two numbers spaced on opposite sides, so that no matter how the bird stands, one of the numbers always shows. All other bands heretofore have had stamped or raised figures on aluminum, which could not be seen unless held close to the eye.

The number strip is protected by a transparent strip to prevent the number from being scratched. For prices and particulars address the Bourne Mfg. Co., Melrose, Mass.

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Of the Reliable Poultry Journal, one of the most practical and helpful poultry papers published, will be mailed upon receipt of a postal card request.

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weighing considerably less than a wooden coop, yet sufficiently strong and durable to carry the heaviest fowls in safety.

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Made in three parts, body of corrugated paper, top and bottom of wood. Protection is assured from weather conditions, rough handling and damage to plumage.

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Sample sent prepaid express on receipt of 25 cents.

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He must know—because his reputation is at stake in every sale. He cannot afford to risk losing your trade by selling you a machine which will not do what the manufacturer claims for it. On the other hand, you take absolutely no chance when you buy an incubator which is backed both by the manufacturer and dealer with such a broad, sweeping guarantee as we offer with the

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tells why the best dealers prefer to sell the "BUCKEYE." Let us give you the name of the "BUCKEYE" dealer in your town who will be glad to show you the machine in operation and prove to you that it will hatch more and better chicks than any old hen or incubator you ever owned. Write us today.

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Made in 5 sizes and Sold As Low As \$10.00



### A Day at Fisheldotte.

Fisheldotte has been written up and described so many years that all the older fanciers can see it in their mind's eye and hundreds have seen it with the natural eye, but for the benefit of those just entering the fancy business and having the desire to obtain all the knowledge possible about one of the oldest and grandest breeds, the White Wyandottes, we will give a brief description of Fisheldotte and this great strain of White Wyandottes, known as the world's best.

Fisheldotte is located just at the eastern edge of Hope, Ind., on Jackson street, which is an ideal suburban home. On the opposite side of the street is the pleasant cottage of the junior member of the firm, Charles I. Fishel. This farm is wonderfully well situated for the fancy poultry business, the soil being a rich sandy loam, high and rolling, with no possible chance for stagnant waters, largely preventing all possibilities of disease. There are plenty of beautiful shade trees and a large orchard and the chicks are raised on grass range. These natural conditions and the dividing of the chicks into small flocks, using colony houses exclusively, give them the best possible advantage of maturing and making good, as they always do. Many hundreds are raised with hens as well as with brooders and the system of care and feeding grows them right.

Directly opposite the residence of Charles I. Fishel is the office building, where several typewriters are kept busy. The conditioning and washrooms are in the rear of the office building; the shipping and packing rooms are on the second floor. Beyond the office is a brooder some 200 feet in length and dotting the farm are scores of colony houses.

The shipping facilities of Hope, Ind., are most advantageous, being in the center of the great buying zone and only 60 miles from Indianapolis, the center of the greatest interurban system in the world. Hope is reached by the Big Four Railroad connecting with the main line from Cincinnati and Louisville at Greensburg and connecting with the Pennsylvania line at Columbus, Ind. Indianapolis, Chicago, Cincinnati and Louisville trains make it possible to reach Fisheldotte in the morning and leave in the evening for these and intervening points.

A warm welcome always awaits the visitor at Fisheldotte and the writer anticipates with pleasure his visits there.

Of course, I found the White Wyandotte youngsters even better than last year, and I expected to find them so; how could they be otherwise with two such post-graduate masters as J. C. and Charles I. on the job? J. C. Fishel has bred them for years and Charles I. is one of the best judges in the American Poultry Association today. The Fisheldotte breeding chart found on page 21 of their catalog will show you how they do it. This line breeding is described on the preceding pages of the catalog.

We cannot imagine a prettier sight than hundreds of these snow white Wyandottes and the picturesque scenery at Fisheldotte. The type and head points are ideal and color is snow white, and when we say snow white we mean absolutely free from any suggestion of creaminess, and they are snow white because they are built that way. No bleaching necessary for a Fisheldotte bird to win the color special. They have hundreds

ers of Partridge Wyandottes, report the following winnings: At the National Conservation Exposition, Knoxville, Tenn.: First, second, third, fourth cock, first, second, third, fourth cockerel, first, second, third, fourth, fifth hen, first, second, third, fourth, fifth pullet, first, second, third, fourth, fifth pen; 74 birds in class. Nashville, Tenn.: First, second, third,

ers of Partridge Wyandottes, report the following winnings: At the National Conservation Exposition, Knoxville, Tenn.: First, second, third, fourth cock, first, second, third, fourth cockerel, first, second, third, fourth, fifth hen, first, second, third, fourth, fifth pullet, first, second, third, fourth, fifth pen; 74 birds in class. Nashville, Tenn.: First, second, third,

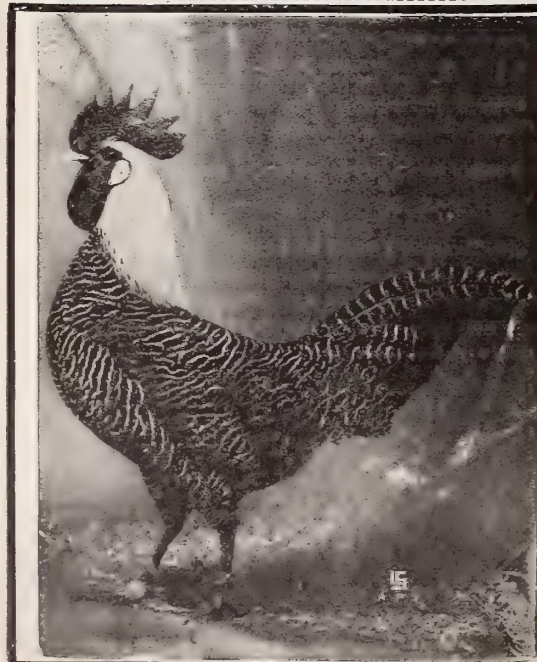


An almost ideal specimen of White Wyandotte female. Bred by J. C. Fishel & Son, Hope, Ind.

of birds to select from, and they can pick the winners for you. Write for their catalog, which contains a great deal of valuable information on breeding White Wyandottes.—H. H. Coburn.

Sheffield Farms, Glendale, Ohio, breed-

fourth, fifth cock, first, second, third, fourth, fifth hen, first, second, third, fourth, fifth cockerel, first, second, third, fourth, fifth pullet, first, second, third, fourth, fifth pen. If you would win get the Premier Partridge Wyandottes.—H. H. Coburn.



**This is  
SILVER  
KING**

**First Cock  
Chicago  
1912**

**I Also Won 1st PULLET and 2d HEN**

## 50 Cockerels For Sale

That I guarantee have been sired by Silver King. They are splendid fowls, correct in type and beautifully marked. They will win in the show rooms this winter.

### Orders for Hatching Eggs

Now being booked. My pens will be mated Dec. 20.

If interested in Silver Campines, write me today.

**Frank E. Hering, South Bend, Indiana**

Reference: The American Trust Co., South Bend, Indiana



**Bruce & Abbott.**

During the week of the Indiana State Fair at Indianapolis I made my annual visit to the great S. C. Buff Orpington farm of Bruce & Abbott, Whiteland, Ind. This farm was formerly located at Indianapolis, but outgrew their quarters, and moved to their present location, which is 15 miles out of Indianapolis and just within the limits of Whiteland, Ind. This farm contains 40 acres of very fertile land and is ideal for raising high class Buff Orpingtons, being well drained and having abundance of shade. The location is also one of the best, commercially speaking, being centrally located and having such good shipping accommodations. Mr. Abbott lives in the fine and pleasant residence on the farm and personally superintends all of its affairs. He is a thorough fancier and understands the poultry business from A to Z and does everything in the most up-to-date and progressive manner. He is the soul of honor in all his business dealings, aiming to give the purchaser a little better than the other fellow for his money. Mr. Bruce lives in the city, but keeps in close touch with things going on at the farm and is a most enthusiastic fancier. Nothing but the best in the land would in any way suffice for him, and they now have some of the finest Buffs it has ever been our pleasure to handle. There were 800 of them, all bright eyed and healthy, on the farm at the time of our visit. The Bruce & Abbott Buffs cannot be beaten in true Orpington type and the color is that indescribable beautiful golden buff. This strain gives such entire satisfaction to the purchasers and the firm is so honorable in all its transactions that they are never able to raise enough to supply the demand. So if you want to get in on those fine show birds order now.

The buildings on the farm are principally of the colony type shape, divided into ten pens, each pen having a yard 40x150 feet, so the breeding stock has plenty of green grass and room for exercise, and this produces strongly fertile eggs. They mate up in December to be ready for the southern egg trade and test out by incubation the fertility of eggs from every mating. At the Indiana State Fair they won first, second, third cock, first, second, third hen, first, second, third pullet, first, second, third cockerel, first, second, third pen. Write for catalog and prices.—H. H. Coburn.

One of our new advertisers is Mr. F. L. Deer of Franklin, Ind. Although new with us, he is by no means new at the breeding of White Plymouth Rocks. He has been at it long enough to see his time, labor and investment crowned with success, and he now possesses some ex-

tra good ones. One mile from Whiteland, Ind., is located the farm, consisting of 80 acres, 25 of which are covered with a beautiful grove, and is the home of the Deer White Rocks. When the writer visited the farm there were 500 youngsters coming on and many ready to win for their purchasers. In carefully looking over and handling them I found them to be as white as snow and of true Rock type. Mr. Deer is a most ardent and enthusiastic fancier and enthusiasm is a valuable asset in breeding fancy poultry. He is also a man with a conscience and insists on having all of his business relations decidedly satisfac-

tory. Some of his winnings at Franklin are: Second cock, second hen, second pullet, second cockerel. At Greenwood: First cockerel, first hen, second, third pullet, first pen. At Indianapolis: Second, third cock, second cockerel, second hen, second, third pullet, first, second large pen of ten birds mated for breeding. If in the market for any White Rocks at reasonable prices write F. L. Deer, Franklin, Ind.—H. H. Coburn.

Maplewood Poultry Farm, Attica, N. Y., breeders of S. C. White Leghorns, White Wyandottes, Indian Runner and Pekin ducks, reports the following win-

## "From Every Hatchable Egg A Big, Vigorous Chick"

### Western Union Telegraph Company

Eaton, O., Feb'y 16, 1913.

Reliable Poultry Specialty Co.

Alexander, New York

First hatch 1913 off. Big,  
husky chick every good egg.

Not a single "dead in the shell."

Oxygen Vitalizer means millions  
dollars to poultry industry.

Ora Overholser, Secretary

Pceble Co. Poultry Association

**Your Money  
Back  
If It Fails**

"Dead in the shell" chicks and White Diarrhoea are the direct result of carbon dioxide poisoning. Oxygen is the only thing that will overcome the effects of this poison. The N. Y. State College of Agriculture says "Oxygen is essential. Without oxygen the chicks die."

### The Ajax Improved Oxygen Vitalizer

Supplies oxygen to the egg chamber. Nature has a chance. A big strong chick comes from every good egg. No more "dead in the shell." No more White Diarrhoea. It costs \$4 complete, ready for use, delivered anywhere in the U. S., all charges prepaid. Can be attached to any incubator in 5 minutes. Sold under our printed and officially signed money-back guarantee. The most valuable book on artificial incubation free.

Reliable Poultry Specialty Company  
Main Street : Alexander, New York

## "PITTSBURGH PERFECT" Poultry & Garden Fence

**T**HANKFUL, — because the poultry stock is always kept within bounds, safe from all prowling, destructive animals—are those who use "Pittsburgh Perfect" Poultry and Garden Fence. The one-piece fabric is easiest to string. The wires at every contact point are

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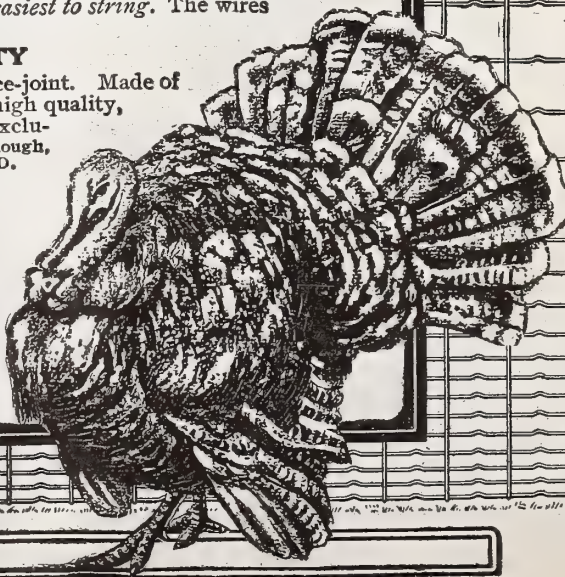
which forms the only absolutely inseparable fence-joint. Made of special-formula Open Hearth wire of uniformly high quality, heavily galvanized with pure zinc. It is these exclusive features that make "Pittsburgh Perfect" Fences so tough, strong, lasting, economical. EVERY ROD GUARANTEED.

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Before you buy any fencing, get our new catalogue, sent free.

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From the ore in our mines to the finished product, we manufacture "Pittsburgh Perfect" Brands of Barbed Wire; Eight, Annealed and Galvanized Wire; Hard Spring Coil Wire; Twisted Cable Wire; Straightened and Cut Wire; Telephone Wire; Fence Staples; Poultry Netting Staples; Regular Wire Nails; Galvanized Wire Nails; Large Head Felt Roofing Nails; Bale Ties; "Pittsburgh Perfect" Fencing.





hings at Poughkeepsie, N. Y., on White Leghorns: First, third cock, fifth hen, first, third, fourth cockerel, first, second, fourth, fifth pullet, third, fourth old pen, second, third, young pen. On White Wyandottes: Second cock, first, second, fourth, fifth pen, first pullet, first, second old pen, second, fourth young pen. At Rochester Industrial Exhibition, on Pekin ducks: First, second cock, first, second hen, first, second pullet, first, second cockerel, first, second old pen, first, second, third, fourth young pen. On White Leghorns: First, fourth cock, first, fifth cockerel, first, fourth hen, second, fifth pen. They have a lot of good stock for sale and will price them right.

#### Carl C. Beatty.

Carl C. Beatty, Van Wert, Ohio, is the pioneer Rhode Island Red breeder, a classy exhibitor and expert conditioner. He lives in town and travels for a stock food company known as the Never-Fail Stock Food Company, the same name as his Reds. His young stock is raised on farms and he keeps colony matings on

separate farms. His breeding pens are mated on his town property and have plenty of room and shade.

Mr. Beatty maintains that proper mating is the secret of successful breeding, this being particularly true of Rhode Island Reds, a variety which presents a most fascinating and difficult problem, both in type and color. He is an adept at mating Reds for color and has entirely gotten away from Rock, Wyandotte and Leghorn type. Shape comes first with him and he has realized his prediction of dark rich red being the proper color.

When the writer visited him in September he had 2,500 birds, and had Empire coops strung along the main street in Van Wert containing birds already conditioned for the show room. It proved a great attraction for crowds of people, and looked like a poultry show. His birds are winning at the early shows in the hands of his customers. Mr. Beatty mates early for early egg trade and is receiving many pleasing letters from his customers who purchased eggs from him and whose birds are winning for them

in all parts of the country. He is going to show a large string at the Panama Exposition and is making his plans accordingly at this time. He can fit up anyone with winners for any competition. Write him for prices and address Carl C. Beatty, Van Wert, Ohio.—H. H. Coburn.

#### How to Make Eggs!

Elsewhere in this issue appears the advertisement of the Nabob Remedy Co., Box A, Gambier, Ohio. The company claim to have discovered a wonderful egg-producing tonic which is not only absolutely harmless to the hen, but a health promoter. Five pounds of the discovery which they call Prescription No. 4 contain egg-making elements in such concentrated form that this quantity is sufficient for 160 quarts of feed. If used according to directions beef scrap, charcoal, and grit may be dispensed with. Five pounds of Prescription No. 4 contains more egg-making material than a whole ton of oyster shell. If used according to direction it is guaranteed to make hens lay.

Letters like the following are coming to the company's office daily:

Muskegon, Mich.

The Nabob Remedy Co., Gambier, Ohio.

Gentlemen: A short time ago I received a sample package of Prescription No. 4 and gave it to the chickens as directed and have been getting more than twice as many eggs from them as I got before using it. Enclosed find — for Prescription No. 4. Yours truly,  
F. W. Marcous.

The wonderful possibilities of commercial enterprise afforded by the rapid and substantial growth of the poultry raising industry in the United States is in no better way illustrated than in the success attained by the firm of Otis & Moe, Chicago, manufacturers of Moe's modern and sanitary poultry supplies. Although this firm is but three years old its business has increased more than 500 per cent over the corresponding season. They now have hundreds of well satisfied dealers in the United States scattered from San Francisco to Boston and St. Paul to Tampa. Their success has been achieved entirely, however, by giving the poultry raiser an opportunity to buy devices that make him money, by adding to the health and comfort of his birds and which he became familiar with through your valuable advertising medium, for every article that this firm manufactures and offers for sale was invented by Mr. A. B. Moe, who is recognized in poultry breeding circles as one of the best informed and most practical raiser in the country. And Moe's line was the result of careful and intelligent thought to equip his own yard with modern, sanitary and useful devices that would better the condition and add to the health and safety of his own birds. This line now consists of the popular Moe's top-fill poultry drinking fountain, Moe's self-locking leg band, Moe's round hopper, Moe's grit and shell boxes, Moe's rat destroyer and many other useful and sanitary inventions. Write Otis & Moe, Otis Bldg., Chicago, for complete catalogue.

The Geo. H. Lee Co. of Omaha, makers of Lee's Lice Killer, Germozone, Mandy Lee Incubators and other poultry products advertised by them in these columns, have been making extensive improvements in their Omaha factory during the past summer, in preparation for a heavy fall, winter and spring trade. All of the Lee products are originals and never copies. Old poultrymen will remember the furor that greeted Lee's Lice Killer when it appeared seventeen years ago. Before that time it was not considered possible to rid chickens of vermin without handling, dusting, dipping or greasing each individual bird. The Lee Company has made wonderful strides in trade, now having factories at Omaha and Los Angeles, with distributing branches at many other points, and has especially made and retained a reputation for reliability of product and uniformity of strength and quality at all times.

"To make rapid progress toward a flock of 200-egg hens, you must breed from your best layers. Not only must you know the hen that outlays the others, but you must know what chicks come from her eggs. It is especially necessary to use males from such eggs, if you desire to reach and hold the 200-egg bird. There is no way to find out these facts except through the use of a good trap nest. Wellcome's 'Ideal' trap nest has always answered this purpose. It is practical as well as ideal." For full particulars address F. O. Wellcome, Yarmouth, Me.

## Taylor's White Rocks

The Stay White Strain in keen competition at the Great Ill. State Fair, Oct. 3-11, 1913, won 2d pen; 3d-5th pullet; 4th cock; 5th hen, no cockerel entered. I have 150 to select your exhibition and breeding stock from, don't delay, write your wants.

H. E. Taylor - Petersburg, Illinois

## RHODE ISLAND REDS

### ROSE AND SINGLE COMB

5000 REDS TO SELL



#### What 20c will do

If you are interested in poultry raising you want to know the best way to feed and care for them. You also want to know about the best breed in the world RHODE ISLAND REDS. Our beautiful catalogue, (printed in three colors) of 64 pages and cover, contains many articles on raising and caring for poultry in large and small flocks; also how to feed for eggs and their fertility. The best system to lay out a poultry plant. How to build a good fresh air poultry house with plans, etc. This catalogue will be sent post paid for 20 cents in stamps or cash. Address all mail to

BUSCHMANN-PIERCE RED FARMS  
Box 839, State Life Building Indianapolis, Indiana

## "O.K." Poultry Litter

TRADE MARK

### WRITE TO-DAY for FREE SAMPLE

We Know You'll Never Again Use Anything Else for Litter

"O. K." is the most wonderful litter for Hens, Ducks, and Geese. It's cheaper to use and ever so much better than Straw, Clover, Alfalfa, Sawdust, Shavings, or anything else ever thought of for litter. All the big breeders who try it never go back to anything else because there is nothing else they would use.

### "O. K." Litter

ABSORBS ALL MOISTURE  
DRIES UP the DROPPINGS  
PREVENTS all ODORS

"O. K." Poultry Litter keeps your houses always dry, clean, sweet-smelling and sanitary. You need no dropping boards, and

CLEAN HOUSE ONLY ONCE EVERY 3 or 4 months

#### COOK SAYS:

"There is nothing on the market that compares with 'O. K.' Litter. It is one of the best preventives of disease because it keeps the air pure."

Wm. Cook & Sons, Scotch Plains, N. J.

"O. K." Litter will not BURN. Lice will not come where it is used. TELL US HOW MUCH POULTRY YOU KEEP—WE WILL TELL YOU HOW MUCH "O. K." LITTER YOU NEED.

Write to-day for the free sample and printed matter. You need them both.

### O. K. COMPANY

Dept. 183, 157 Water St. New York

Remember, no other litter is "OK"





### Rocky Run Farm.

One of the most indescribably beautiful homes is Rocky Run; the home of W. G. Marshall, Northfield, Ohio, one of Cleveland's most prominent business men and the "Evergold" Buff Wyandottes. Rocky Run is an estate of over 500 acres of very productive land and is beautifully and advantageously located from every standpoint, Northfield being a suburb of Cleveland and on the electric line, half way between Cleveland and Akron. The grand mansion with its beautiful grounds and flowers is Mr. Marshall's summer home and is as beautiful as Mr. Marshall's originality and unlimited means can make it. When we had the pleasure of visiting Rocky Run one of the many things that impressed us most was its new office, for which Mr. Marshall mixed the colors for the woodwork, which is a beautiful shade of green. This office is one of the finest we ever had the opportunity to visit.

Last year Mr. Marshall was more than fortunate in securing Mr. Gerald Williams, formerly of Wellington, Ohio, as the manager of the poultry interests. Mr. Williams was the originator of the "Evergold" strain Buff Wyandottes, over 400 of which he took with him, including all his Madison Square Garden, Grand Central Palace, Cleveland and Hagerstown winners. "Evergolts" have for years been winners of the blues at America's best shows, winning for their originators, their present owners and their purchasers, at Madison Square Garden, Boston, Providence, Philadelphia, Hagerstown, Savannah, New Orleans, Gadsden, Nashville, Memphis, Cincinnati, Toledo, Cleveland, Springfield, Peoria, Detroit, Lansing, Denver, Los Angeles and other good shows. At the national meet of the American Buff Wyandotte Club at Cleveland, 1910, where the best from one extreme of the land to the other met, "Evergolts" won Grand Champion Trophy Cup offered by the American Buff Wyandotte Club for the best cock, cockerel, pullet and pen.

In walking over Rocky Run, enjoying the "Evergolts," one comes in contact with much beautiful scenery and many picturesque views. Some of these are shown in the beautiful catalog, which is a work of art and a masterpiece in composition and one of the most beautiful ever issued by a poultry farm. Not only is it a thing of beauty, but is also one of the most authentic books on mating, raising and exhibiting Buff Wyandottes yet before the public. Send for one. Address Rocky Run Poultry Farm, Northfield, Ohio.—H. H. Coburn.

### Easy Way to Get Eggs.

Dilute one tablespoonful of Oculum in a pint of turpentine, shake well and keep corked.

Pour a tablespoonful of the mixture in the drinking water every day. The quantity of drinking water used makes no difference as the mixture rises to the top and the fowls get it. This method of using Oculum on your flock will prove highly beneficial as a preventive of disease and as an egg producer. Your fowls will improve in weight, in plumage, in health, and you will get many more eggs.

A dollar bottle of Oculum used as above directed will last 50 chickens one year.

### Get a Good Bone Cutter.

The relation of the bone cutter to egg getting is very close. Bone is a necessity for the laying hen. It furnishes the materials she must have to produce eggs. She cannot lay without these materials, and she does not get them in sufficient quantity in her ordinary daily rations.

This is particularly true of penned-up hens. The materials must be supplied. And there is no place where these materials can be procured so cheaply and so easily as from the green bones that ordinarily go to waste at the meat market and in practically every kitchen. These bones ought to be turned into money by first turning them into eggs. You would use the bones for that purpose instead of letting them go to waste if you were equipped to prepare them for the hen's use.

That brings us to the bone cutter. Get it, have it always ready and use it daily. Get a good one while you are about it—one that will not break, one that will handle all kinds of bone, one that you will find pleasure in using every day, because it will not wear you out in turning it.

The Standard Bone Cutter manufactured at Milford, Mass., is such a machine. It does not clog or break, turns easily and has become famous as the machine which

cuts bones across the grain as well as with the grain. It is made in 12 sizes, and it has been greatly improved this year. The machine gives such certain satisfaction that the manufacturer, the Standard Bone Cutter Co., does not hesitate to send it out on free trial. If you need such a machine, you cannot do better than write the manufacturer about it. When writing about the cutter simply address the Standard Bone Cutter Co., Milford, Mass. Their booklet and full particulars will come on request, free.

### A 3-Month Trial Subscription.

To Reliable Poultry Journal, only 10 cents. Stamps are acceptable. Or send for free sample copy of the most helpful poultry paper published. Address Reliable Poultry Journal Pub. Co., Box E-13, Quincy, Ill.

The Egg-a-Day Farm made a killing on their Buff Orpingtons at Trenton, N. J., where in a hot class of quality birds, some of which came from large eastern farms, being purchased to win, yet every bird entered by the Egg-a-Day Farm was placed. Their complete list of winnings were: 1-2-3-4-5 hen, 1-2-3-4 pullet, 2-3-4-5 cockerel, 2 pen. Pullet won best Orpington in show, all varieties competing, silver cup on display over all Orpingtons, one cup on entire class, all varieties competing. This remarkable win should interest all Buff Orpington breeders. Just think of the remarkable size of these birds, four cockerels weighing 8½ to 9½ lbs. They only needed 3 or 4 weeks to get finished in order to show their true value. Their pullets weighed up to 7 lbs. Think of these weights for this time of the year. If you want birds with size,

type and color you should write to the Egg-a-Day Farm, Rahway, N. J.

On another page of this issue appears the advertisement of G. A. Walker, Polo, Ill., exclusive breeder of Barred Plymouth Rocks. Mr. Walker has won many prizes, including trophy cups, specials, etc., at the leading shows of the middle west, the winners being bred in his yards. We recently visited this plant, which is beautifully situated in the outskirts of the thriving little city of Polo, and while there handled many specimens of splendid quality. We cheerfully recommend Mr. Walker and his Rocks to those looking for something good for the coming shows. He has 400 to select from and will treat you right.

At the Tri State Fair, Memphis, Tenn., Sept. 22-27, Mrs. Reginald Stonestreet, Glendale, Nashville, Tenn., made the following winnings on White Orpingtons: First cock, second, third hens, second, third pen, first, second, third cockerel, first, second, third pullet; second prize, \$50, for best display in whole show; first for best cock in whole show; first for best pen, Tennessee breeder; first for best display of Orpingtons. Birds from Maine to Texas on exhibition. Kummer and Savage, judges.

At the late Tennessee State Fair, Nashville, Tenn., Bruce & Abbott, the well known Buff Orpington breeders of Whiteland, Ind., made the following winnings: First, second, third, fourth cock, first, second, third hen, first, fourth, fifth cockerel, first, second, fourth, fifth pullet, first, second, third pen, and a number of specials.



## Andrews' White Wyandottes

Win at Boston, First Pen Six times in past 7 years.

1st Cockerel 1910, 1911, 1912  
2nd Cockerel 1910, 1911, 1912, 1913

Let me quote you prices on a winning show bird or fine breeder. Send stamp for catalog.

J. W. Andrews, Box A, Dighton, Mass.



## THERMOMETERS NEVER VARY

"AEM" embossed on a Thermometer is an absolute guarantee of selected materials, skilled workmanship, thorough testing and unquestioned accuracy.

When you are buying an incubator, brooder or hover, see that it is equipped with the "AEM" Thermometer. Don't take chances. Remember, an inaccurate thermometer may "cook" or "chill" your hatches, causing a loss on a single hatch that would pay for more than a dozen "AEM" Thermometers, the thermometer that never varies.

If your dealer can't supply you with an "AEM" Thermometer or Hygrometer, refuse every other kind and order direct from us.

### These Are the Prices, Postpaid:

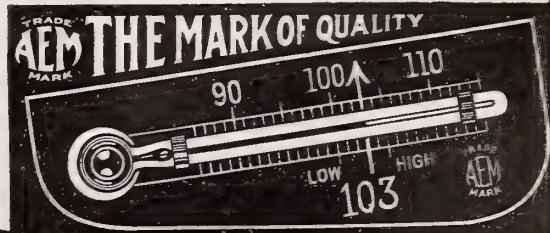
"AEM" Thermometer for any Incubator	\$ .75
"AEM" Thermometer with Patent Electric Light Attachment	2.50
"AEM" Certified Thermometer	1.25
"AEM" Brooder or Hover Thermometer	.75
"AEM" Electric Alarm Thermometer	4.00

### Special Prices in Quantities

Millions of chicks die in the shell because of improper moisture regulation. Use an "AEM" Hygrometer and always know exact amount of moisture in your incubator, and get bigger hatches of bigger, more vigorous chicks. Price \$1.50 postpaid.

A. E. Moeller  
261 Sumpter Street  
Brooklyn, N. Y.

Established 50 Years—We make more than a thousand different thermometers for all purposes. Write today for Free Illustrated Booklet and price list. Important!





Wall boards have come to stay and today they are being used for walls and ceilings in cottages and unfinished rooms in homes in place of laths and plaster, and also over-cracked plaster walls. Neponset Wall Board has been developed now to the point where different finishes are provided for use in different rooms and for different artistic arrangements. There is the plain and quartered oak finish for wainscoting and paneling; burnt leather finish for halls and libraries; and cream white finish for general use for ceilings in color, although the use of paint is not necessary. During the winter months it is a good time to use Neponset Wall Board for fixing up rooms, as it can be applied in cold weather as well as in warm weather, and it does away with dirt and annoyance incidental to lath and plaster.

Mr. G. H. Woolington, proprietor of Mary Elizabeth Poultry Farm, starts his advertisement of White Orpingtons with this issue. This farm is located one and one-half miles from Monticello, Ill., and is splendidly equipped. Mr. Woolington having spared no expense either in his foundation stock or in the equipment of his plant. His winnings at the leading shows of the middle west attest the quality of his stock, while the many complimentary remarks

heard of him at home and abroad only verify our own opinion as to his integrity and fair dealing. We have no hesitancy in recommending Mary Elizabeth Farm and Mr. Woolington to A. P. J. readers.

Dr. G. G. Billman, Sullivan, Ind., breeder of "Houdans Worth While," reports the following winnings at the late Indiana State Fair: First, second, third cock, first, second hen, first, second, third cockerel, first, second pullet. The doctor informs us that he has for sale a number of early hatched birds which he will guarantee to win for his customers. He also has a number of utility birds that he will sell at low prices.

On another page of this issue appears the advertisement of the Highland Poultry Farm, Normal, Ill. Mr. Erdman, the proprietor, is splendidly equipped for breeding Barred Plymouth Rocks that show quality all through. At the Pekin, Ill., Show, 1913, the only show at which Mr. Erdman exhibited, and showing nothing but young stock, he won 2d pullet, 36 in class, and 4th cockerel, on a bird that was cut two points for weight. We can recommend both Mr. Erdman and his stock.

W. J. Brinkley, of Iuka, Miss., the well-known White Plymouth Rock breeder, made practically a clean sweep at the Tennessee State Fair, Memphis, Tenn., winning 29 prizes out of a possible 31. He also won \$100 in gold for the best display of any one variety by one breeder. In cock birds he won first, second, third; hen, first, third, fourth; cockerel, first, second, fourth; pullets, second, third, fourth, fifth; pens, second, third, and several specials. For prices and particulars address as above.

Gensemer Brothers, Creston, Ohio, have some extra fine hen-feathered cockerels in Silver and Golden Campines. This is hard to get, especially in Golden Campines, but the Gensemers have them, for I saw them, and in carefully looking and handling their Campines I found them excellent in type, head points and hackles. The Gensemers are breeding them larger each year. If in need of a classy show cockerel or first class breeder write Gensemer Bros., Creston, Ohio.—H. H. Coburn.

When I visited Mr. W. D. Holterman, Fort Wayne, Ind., I saw his Aristocrat Barred Rocks wearing the finest and most even narrow barring I ever saw, even at Holterman's, the home of narrow barring. He has some show birds ready for the early shows. Here is the place to get a winner for any show room. It was the Aristocrats that cleaned up at Chicago last December in the hands of one of Mr. Holterman's customers. You should see his females and cockerels. His young stock is showing great Rock type and are grand in head points.—H. H. Coburn.

A. A. Carver, Seville, Ohio, has some of the finest Red cockerels we ever saw or handled, hundreds of which are from 15 of the finest Red hens that ever grew. These hens Mr. Carver has selected and placed together and will form the nucleus of his Panama exhibit. We saw these hens and can vouch for their color being non-fading. Their value cannot be counted in dollars and cents. Mr. Carver will give you extra value for your money and use you right.—H. H. Coburn.

J. D. Haupt, Easton, Pa., breeder of Buff, Black and White Orpingtons, reports he has the finest lot of birds he ever raised, having succeeded in producing a large number the past season. He also has over 1,000 yearlings that he will dispose of at reasonable prices. Anyone desiring exhibition or breeding stock should communicate with Mr. Haupt.

Lloyd's prize winning Partridge Rocks won the following prizes at the late Tennessee State Fair: First cock, first, second hen, first, second pullet, first, second pen, silver cup for best display. This winning was made in a strong class, there being five other exhibitors and 52 birds in the class. If you want some good Partridge Rocks write Frank L. Lloyd, Greensburg, Ind.

Jerome A. Leland, Springfield, Ill., breeder of S. C. White Leghorns and Columbian Wyandottes, has several males and females to dispose of in both varieties. He won several firsts and seconds at the Illinois State Fair this fall. Mr. Leland is booked to judge several shows this winter, including the Chicago and St. Louis shows. Write for his catalogue and mention A. P. J.

Elmer V. Shultz, Webster Grove, Mo., breeder of S. C. Brown Leghorns, has purchased a new home and before moving will sacrifice several of his winners. Here is a grand opportunity to get started right. Mr. Shultz can supply you with winners for any show. Write him and mention A. P. J.

Iowa White Orpingtons won at Galesburg, Ill., last month, first cock, first, second, fourth hen, first cockerel, first pullet, first pen; seven birds exhibited. For further information address Iowa Farms, Poultry Dept., R. R. No. 3, Davenport, Iowa.

Flanders White Leghorn Farms, Orchard Lake, Mich., is an exposition in itself and when completed will be the largest poultry farm in Michigan, as well as the finest, a description of which will appear in the December American Poultry Journal.—H. H. Coburn.

We wish to call your attention to J. S. Bales' advertisement in this issue of Rose Comb Black Minorcas. Mr. Bales is breeding Minorcas that never fail to win in such shows as Chicago, St. Louis and Illinois State Show. We cheerfully recommend the Bales strain of Minorcas to our patrons.

## HOUDANS

"WORTH WHILE" I have for sale a number of early hatched birds which I will guarantee to win for you; also have a number of utility birds for sale. Write me your wants, mention American Poultry Journal.  
Dr. G. G. BILLMAN : : SULLIVAN, INDIANA

## MYERS' EXHIBITION BARRED ROCK FEMALES

Madison Square Garden, N. Y., N. Y. Winners 1912-13—Exhibition Females My Specialty—Pullet Bred Males from New York Winning Females—At the late great Madison Square Garden, N. Y., Show, my birds shown by myself won first hen, second pullet and shape special female. This year birds of my breeding also won at Philadelphia, Hagerstown, etc. They have been winning for years and are better today than ever. FOR SALE—Early hatched pullets and pullet bred cockerels fit to win the early shows. I have an unusually large and fine lot of these early hatched birds of the best of New York winning blood that have the quality in form and barring. Let me price your wants. My breeding cockerels are of highest quality, strong and vigorous. They will please, absolute satisfaction to all. : : Write me. C. N. MYERS, BOX A, HANOVER, PENNSYLVANIA

**SILVER WYANDOTTES**  
THE BEAUTY AND UTILITY BREED  
THE BEST WINTER LAYERS  
STOCK FOR SALE AT ALL TIMES  
NO EGGS NOR BABY CHICKS  
A. E. TARBOX, BOX A, YORKVILLE, ILL.

WE have one of the finest flocks of young stock that we ever had; also a fine lot of cocks and hens and are in shape to supply you with anything you want from utility stock to the finest show birds fit to show in any show. Send for catalogue or get prices on what stock you want before buying. Mention A. P. J.

## "SNOW WHITE" WYANDOTTES

THE GREATEST LAYING STRAIN IN AMERICA ☐ ENTER UNITED STATES DUTY FREE

At Storrs' College Laying Contest our five pullets won 2d prize with 1,069 eggs, winning over 35 pens of Leghorns and all Rocks, Reds and Orpingtons entered and were only two eggs behind the winners. Breeding hens from \$2 up. Trapnested hens from \$4 up. Pullets from \$3 up. Roosters and cockerels from \$5 up.

Beulah Farm :- McLeod Bros. :- Box 200, Stoney Creek, Ontario, Canada



First Prize Cockerel and Grand Champion Male, Chicago, 1912

## ABOVE ALL THE HENDERSON STRAIN America's Foremost Barred Ply. Rocks

Madison Square Garden, New York,  
Chicago and St. Louis Winners.

This year's Cockerels and Pullets will be ready October 1st for the Fall Shows.

IF YOU WANT WINNERS WRITE ME.

WILL SELL ALL OF  
MY 1913 BREEDERS

to make room for my growing stock.

**W. W. HENDERSON**  
BRIDGETON, MO. ST. LOUIS CO.

St. Louis Offices, 1211 Central National Bank Building



**Ferris Leghorns Win.**

Ferris Improved White Leghorns are making a remarkable record at the leading fairs this fall. For many years their laying qualities have been recognized as the best that careful selection and trapping could produce; but although Mr. Ferris has exhibited at two or three shows a year and has furnished winners for many of the largest shows every year to his customers, he has not exhibited extensively. This year, however, he has decided to exhibit at twenty or more of the leading shows, and started off at the Iowa State Fair, in August, by winning 1st and 2d cock, 1st cockerel, 1st and 3d hen, and a silver cup for the best cockerel in the Mediterranean class. At the Maryland State Fair the first week in September another good winning was made—1st and 2d cock, 1st and 2d hen and 1st pullet; while at the West Michigan State Fair the same week the winnings were 1st and 2d cock, 1st and 2d hen, 1st and 2d cockerel, 1st and 2d pullet and 1st pen. The next week's winnings at the West Virginia State fair, 1st and 2d cock, 2d hen, 1st cockerel and 2d pullet; and at the Kansas State Fair, 1st cockerel, 1st pullet, 2d pen and 2d sweepstakes.

If you are in need of either exhibition or laying stock, you will make no mistake if you write to Mr. Ferris. During the thirteen years that he has been breeding White Leghorns he has furnished foundation and exhibition stock to thousands of breeders in every part of the country. This year he raised nearly 10,000 birds of better quality than any previous year. They are all large, vigorous birds such as make the best layers, and they have the type that makes them easy winners in strong competition. A visit to the farm discloses hundreds and hundreds of exhibition birds with low sweeping tails, long bodies well up on legs, and good in all details of shape, such as good combs, white earlobes, full breasts, concave backs, etc. Needless to say all the birds are absolutely white, there being no brassy birds at all. Several hundred cocks and hens are offered at low prices. If you are interested in White Leghorns you should not fail to send for the fine 132-page catalog which tells all about Ferris Leghorns. This catalog is free to all our readers and contains illustrations, prices and full particulars. It is one of the most interesting and instructive catalogs ever published. All stock is shipped on approval. Your money will be refunded if any birds are unsatisfactory, and in addition to this liberal guarantee, all birds are insured for 30 days, and if they die or become ill, will be replaced free of charge. Every customer must be fully satisfied before the sale is considered closed. Better write today and ask for the big 132-page catalog and get quotations on the stock, eggs or chicks you need. Just address a postal to George B. Ferris, 905 North Union Ave., Grand Rapids, Mich.

Look now at back inside cover

**\$60 PER HEN PER YEAR**

SEND A POST CARD TODAY for The "Why and How of the Miller System." You will see that we positively guarantee each hen will net \$60 per year. Show our guarantee to your lawyer. Address MILLER SYSTEM COMPANY, 15 7th St., Binghamton, N. Y.



**FREE BOOK**

**U. R. FISHEL'S AD in this issue will interest you. Read it.**

**Golden Sheaf Strain**

Eggs from our prize winning pens headed by Chicago, Indianapolis, Louisville, Cincinnati, Youngstown and many other noted winners.

**Neduseb Poultry Farm, R. R. 2,**

**BUFF ROCKS**

Many of our best breeders after June first will be for sale cheap to make room for young stock. Mention A. P. J.

**Box 49, Dept. B, Sharonville, O.**

**LOOK**

**ORPINGTON FANCIERS**

Chicago, Kansas City, Seattle, Los Angeles, Little Rock, Memphis, and hundreds of other shows not so famous, at prices often only one-fourth what others paid for birds our customers defeated! Some really fine cockerels, pullets, cocks and hens ready right now! Remember our Buffs won championship of America and are a lot better now? Our Blacks are the original Nabob-Empress Blacks—ask any one who knows. Our Whites are all out of our great champion cockerel of England and Palace winning pullet and a great line of Madison Square winners. If you want quality at a moderate price, come to us. \$5 or \$10 or \$15 to \$25 will buy cream here. Get our free catalog, and add 10c for the Orpington Magazine, 1 yr. Cheviot Farms, R. 2, Cin., O.

**"Missouri" Leghorns Will Show You**

What it means to have bred-to-lay stock. Send for catalogue on White Leghorns, Eggs, Chicks, Stock. Satisfaction guaranteed.

**MISSOURI WHITE LEGHORN FARM, Box A, VALLEY PARK, ST. LOUIS CO., MISSOURI**

**Buff Orpingtons**

At Beardstown, Illinois, only show made in 1912, my Orpingtons won in strong competition, 2nd cockerel, 1st, 2nd, 3rd hen, 1st, 2nd pullet, 1st pen. Exhibition and breeding stock for sale. Satisfaction guaranteed.

**Victor Adelman, R. F. D. 1, Beardstown, Ill.**

**J. W. Parks' Strain**



**271 EGGS  
IN ONE YEAR**

**BRED-TO-LAY  
BARRED PLYMOUTH ROCKS**

I Have Produced Some of the WORLD'S GREATEST LAYERS  
Choice breeders, \$2.00 and \$3.00 each; Pedigreed cock'ls, \$5.00 each. 1,000 breeders to select from. Descriptive circular free.

**O. F. Mittendorff : : Lincoln, Illinois**

**Rose Comb Reds**

The finest lot of REDS ever offered for sale. All have that dark rich, brilliant color. A fine exhibition male from \$10.00 to \$25.00, a beautiful dark red female \$5.00 to \$20.00, all sired by our Pittsburgh, Chicago and Boston winners. If you are looking for a show bird and want one that will win don't be afraid to write us. A few breeding females at \$2.50 each. Everything sold on approval.



**Simmons & Crittenden**

**Geneva, Ohio**

**BARRED PLYMOUTH ROCKS  
RINGLET STRAIN**

We are very strong on fine exhibition cockerels that will win that show for you. Something extra in cockerel bred pullets that will produce results. Limited number of fine exhibition pullets and pullet bred cockerels. Our modest prices will surprise you.

**HIGHLAND POULTRY FARM**

**FRED P. ERDMAN**

**NORMAL, ILLINOIS**

**Peabody Farms: Crystal Hatcheries**

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**SICILIAN BUTTERCUPS OF QUALITY.** Booking egg orders now from my blue ribbon winners. A few choice cockerels for sale. Descriptive booklet free. Correspondence solicited. A square deal to all. M. A. Rood, Buttercup Specialist, Garrettsville, O. 1-12

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## BARRED PLYMOUTH ROCKS.

BARRED ROCKS. Show birds and breeders. Winners Columbus, Toledo, Bucyrus. Stock shipped C. O. D. Chas. E. Himes, Rudolph, O. 11-1

"LARGEST" BARRED ROCK—I am making bargain prices on over 300 breeders one and two years old, of first-class quality, for 30 days only. Write for bargain sale list. Will also book orders for early show birds, hatched from my first prize matings at Illinois State Show and Rochester, N. Y. with score card after Nov. 1. Largest exclusive Barred Plymouth Rock farm in Illinois. Luther J. Hall, Route No. 1, Kenney, Ill. 11

RINGLET BARRED ROCKS. E. B. Thompson strain. Choice cockerels for sale, both matings. Mrs. H. W. Scofield, Strawberry Point, Iowa. 11-1

FINE BIG BONE Thompson Ringlet Barred Rock cockerels, \$1.50 up. Mrs. James Whitesides, Memphis, Ind. 11-1

RINGLET BARRED ROCKS. Exhibition quality. Hen hatched, hen raised cockerels and pullets. Mating, \$2.00 to \$10.00 each. Pen, five birds, \$10.00 to \$20.00. Sold on approval. Circular. John Northon, Clare, Mich. 11-2

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BARRED ROCKS. 200 birds for sale; old and young, winners and all, \$3.00 up. Plymouth Yards, Dept. 2, College Hill, Ohio. 11-1

"RINGLET" BARRED ROCKS win 1 cockerel, 2 pullets, 2 pullet mated pen. I have 500 fine youngsters to select a winner for you. Grand breeders cheap. E. B. Thompson strain direct. E. A. Webb, Ewing, Ill. 9-11

BARRED PLYMOUTH ROCKS, pullet mating, now again at the great Iowa State Fair. Make a clean sweep in the pullet bred class—1st, 2nd, 3rd cockerel, 1st, 2nd, 3rd pullet. For cockerels that are winning pullets at reasonable price write John Peterson, Box 29, Randall, Ia. Mention A. P. J. 10-12

BARRED ROCKS. RINGLET STRAIN. Hundreds of good birds at bargain prices. Show birds, breeders, utility flocks. K. I. Miller, Box T, Lancaster, Mo. 10-12

BARRED ROCK COCKERELS, cocks, pullets, hens for sale, \$1.50 each. Edwin Laux, Bushnell, Ill. 10-12

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BRIGHT'S STRAIN BARRED ROCK cockerels, three to five dollars each. From New England Fair and Worcester Poultry Show winners. Large, vigorous birds. Metcalf Farm, 925 Grove St., Worcester, Mass. 10-12

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WHITE PLYMOUTH ROCK hens, 1 year old, \$2.50; pullets, \$1.75; cocks, 1 year old, \$5.00; cockerels, \$3.00. Trap nested, prize winning. Shady Wood Farm, Crown Point, Ind. 11

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HIGH CLASS WHITE PLYMOUTH ROCKS. Fishel strain, yearling hens, pullets and cockerels for sale. George Lehmkuhl, Box 182, New Bremen, Ohio. 10-11

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BUFF ROCK COCKERELS and pullets, fine selected utility stock, \$1.50 each, trio \$4.00, pen \$6.50. J. A. Heiser, Fisher, Ill. 11-1

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COLUMBIAN PLYMOUTH ROCKS. You will like the stock we raised this season. Any quality you desire, but only 175 birds left. Better write now. G. W. Garlock, Fort Atkinson, Wis. 10-12

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BIG BONED S. C. REDS. High scoring, red eyes, long back, low tail, \$2.50 and \$5.00 each; guaranteed. Lela Osterfoss, Hedrick, Iowa. 11-1

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S. C. AND R. C. RHODE ISLAND RED cockerels and pullets at \$2.00 each. Eggs for hatching, \$1.50 per 15, or \$5 per hundred. Satisfaction guaranteed or money refunded. Joe O'Reilly, Custer Park, Ill. 10-12

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JOCJOY ORIGINATED THE R. I. WHITES. He furnished the stock for the other breeders; there are many thousand who breed them now; they proved them not only good layers, but dressed poultry of superior quality. Booklet free. J. A. Jocjoy, Towanda, Pa. 8-11

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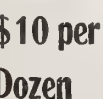
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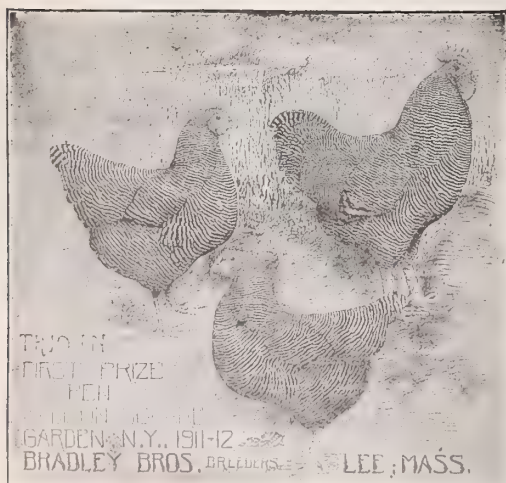
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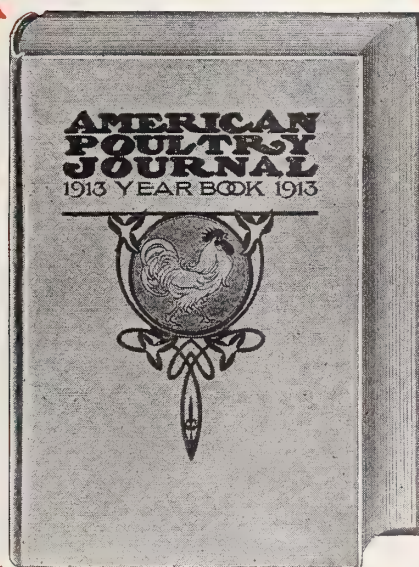
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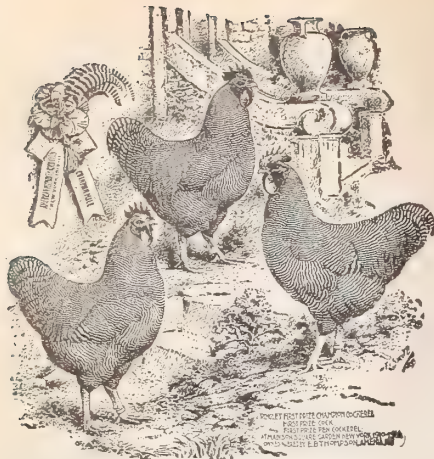
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**Eggs** From the finest exhibition matings in all the world, \$10.00 per setting; four settings, \$35.00 one hundred eggs, \$60.00. One-half these prices after June 10th.

See My : : *E. B. Thompson* Lock Box 510, Amentia, New York  
Other Ad

# A. C. HAWKINS' ROYAL BLUE BARRED ROCKS SWEEPSTAKES CHAMPIONS AT New York, Boston and Chicago



"ROYAL BLUE" First Prize Sweepstakes Champion Cockerel at New York.

They have produced the winners at the World's Greatest Shows for 25 years, and at the Great New York Show, 1911-1912, made a WORLD'S RECORD, winning six out of eight prizes awarded on Barred Rock Cockerels, including First Prize and Sweepstakes Silver Cup for Best Cockerel, and Grand Special Prize for Best Cockerel Mated Pen.

AT CHICAGO, Dec., 1912, in a class of over 400 Barred Rocks they won Four First Prizes and the GRAND SWEEPSTAKES CHAMPIONSHIP \$100.00 CUP for the Best Display of Barred Rocks. My White Rocks and Columbian Wyandottes have won more prizes at New York and Boston than any other strain and have no superiors.

2000 CHOICE EXHIBITION and BREEDING BIRDS for sale at honest prices. Finely illustrated Catalog of the World's Champions Free.

**A. C. HAWKINS**  
LOCK BOX 25, LANCASTER, MASS.

## EGGS

FROM THE  
"ALL STAR" Matings

1 Setting	- -	\$10.00
2 Settings	- -	18.00
3 Settings	- -	25.00
100 EGGS	- -	50.00

BARRED ROCKS  
WHITE ROCKS  
COLUMBIAN WYANDOTTES  
There Are None Better.



## DO YOU KNOW THAT KENNEDY'S IMPROVED CHAMPION STRAIN GOLDEN AND SILVER CAMPINES

"THE FOWL WITH A CHARACTER ALL THEIR OWN"—Are the aristocrats of the show room in America? They have won the blue and red in the hands of my many customers at every show of note such as New York, Boston, Baltimore, Philadelphia, Buffalo, Cleveland, Chicago, Los Angeles, Atlanta, Allentown, Hagerstown, Syracuse, as well as from coast to coast in Canada. Write me your wishes. I do not exhibit myself so can fix you up right for any show. Send for CAMPINEOLOGY, "the story of the living egg machines"—10 cents is appreciated.

J. Fred N. Kennedy - Box F - Birch Cliff, Ontario, Canada

## BYERS' STRAIN ORPINGTONS

Buff, Black and Pearl White—Communicate with me regarding an advance order for show birds to be delivered in perfect condition and training. A small deposit will insure the reservation. Early purchasers will secure my best values selected from hundreds of the finest birds I have ever owned. I know my standard of service is not excelled by any breeder in the land and your patronage is solicited in view of this reliable assurance.

C. S. Byers

(Orpington Specialist, 15 Years)

Hazlerigg, Indiana



VOL. 44

DECEMBER, 1913

NO. 12

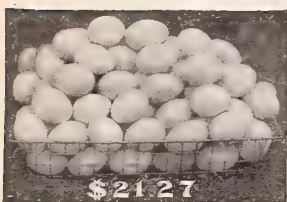
# AMERICAN POULTRY JOURNAL







**\$3.00 Hen That Lays \$21.27  
in Eggs in One Year.**



# Does this look good to you?

## SHEPPARD'S FAMOUS ANCONAS

Have won first at the world's greatest shows, including London, England, Cleveland and Madison Square Garden, New York. For seven consecutive years my birds have won three times as many first and second prizes at the nation's greatest shows as all my competitors together, (including the late shows) so have earned the distinction of being

## The World's Best

They are famous egg machines and the greatest Winter layers with the wonderful egg record of **256 Average for a Flock.**

If you want to win at your show or increase egg production, write for catalog. Eggs, Baby Chicks or Stock. Single and Rose Comb.

**H. CECIL SHEPPARD**

President International  
Ancona Club

**Box M2, BEREA, OHIO**

## KING RINGY, V.

is, (according to his photograph)

## The Best Cock Bird in the World

**Now WHY?** BECAUSE there never has been published a real, UN-RETOUCHED photograph which equals this one in genuine Barred Plymouth Rock quality throughout.

**He Challenges Comparison** Therefore, compare him with any other real, natural, not retouched photograph of a Barred Rock male in this journal, or in any other journal. (Remember, I say an actual photograph—not drawing.) When you think it over that this is a natural photograph of a bird, **just as he looks today**, you will begin to marvel at his sterling qualities. You will study him. You will admire his full, deep breast, his depth of body, his broad back, his nice sweep of tail, his perfect balance and poise in every section, his superb style, his proud bearing of majesty and easy grace. You will study with ever-increasing pleasure and delight the simply peerless, exquisite dazzling wealth of his barring, until finally—your gaze is positively riveted on his fluff and saddle hangers. Like pendants of precious pearls his long, flowing **saddle hangers and tail coverts** droop in graceful, never-equalled beauty out of the depths of his broad back, showing such wonderfully sharp, straight across-the-feather barring down to the very tips as we fanciers dream of when we think of our Ideal—putting the finishing touch on a bird whose equal has never been shown in a photograph.

### EIGHTY-FOUR BARS

Clean, snappy straight and regular bars, may be counted on his saddle hangers—for he is barred to the skin. King Ringy V. is a carefully line-bred, pedigreed

### ARISTOCRAT

He is one of those birds who is creating such a sensation among Barred Rock breeders in all parts of the world. Last season, in the hands of my

**W. D. HOLTERMAN, Fancier, Box 1, FORT WAYNE, IND.**



**JAS. W. BELL**, the editor of the American Poultry Journal, in speaking of this particular cut in a letter of Oct. 13th, 1913, says: "We would state that Mr. Stahmer DID NOT in any way retouch this photo. We were just looking at the original photo and there is **ABSOLUTELY NO RETOUCHING** on it." (Think this over.)

customers, they won at sixty-four (think of it, sixty-four) shows in America, including the largest National shows.

### TWO THOUSAND

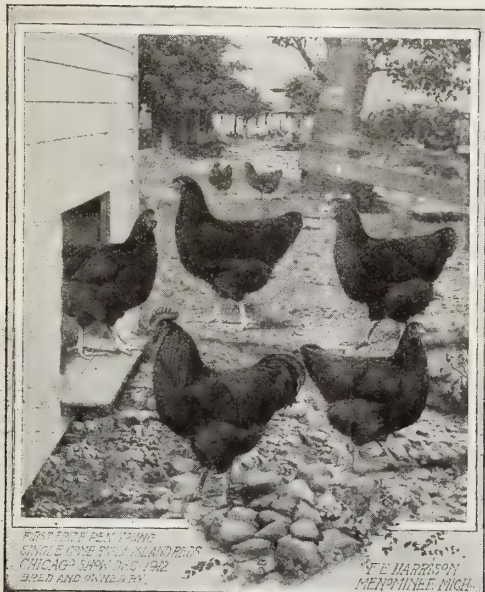
such Aristocrats, many of them sired by King Ringy V., are ripening into finished beauty for this winter's shows. They stand ready to win in any competition in any show room, East or West, North or South. Do you need a winning cock bird, a winning cockerel, a winning hen, a winning pullet, a winning pen? I have them. Call on me. I will help you. "Every Show Bird Guaranteed."



# F. E. HARRISON'S

## Champion Royal Red S. C. R. I. Reds

stand out pre-eminently ahead of all others



Bred, Owned and Exhibited by F. E. Harrison

There is a recognition of quality and supremacy in the peerless Royal Reds that makes them

### The undisputed aristocrats of the Rhode Island Red World

At Chicago, December, 1912, (note the date) they won special for best display on the largest number of points ever given at this show.

At the above mentioned great Coliseum show in what was declared without exception to be the greatest and largest class of Reds ever shown in a National Show with competitors of note from all parts of America, Royal Reds made the greatest win of all times in the history of this great exhibition by winning, as follows:

1st, 3d and 4th Cock  
2d and 3d Hen  
1st, 2d and 3d Pullet

4th Cockerel  
1st and 2d Old Pen  
1st Young Pen

I am the only breeder that has ever won in all six classes in one showing at Chicago.

Following this great victory at Indianapolis three weeks later, by winning six firsts, six seconds and six thirds and the \$100 Challenge Cup for best display.

At the Illinois State Fair, October 4-10, 1913, in a veritable hot-bed of Reds they made the greatest win ever made at the great Illinois State Fair and left with the best record of all times in the history of that exhibition by winning 1st, 3d and 5th Cock; 1st, 2d, 3d, 4th and 5th Hen; 1st, 2d and 3d Pullet; 1st, 2d and 3d Cockerel and 1st, 2d and 4th Pen.

Let others magnify their wins as they may. The fact remains that more winners of prominence are produced by Royal Reds than any strain in America.

My finely equipped farm places me in the lead of all others in points of service.

All trains met by appointment.

If you are in need of winners, breeders or eggs to produce them, send for my catalog. My egg offer for 1914 will be absolutely the best opportunity to procure a start in this foremost strain, that is impossible to obtain elsewhere.

Box 30, Menominee, Michigan

## TECKTONIUS' STRAIN BUFF LEGHORNS

90 PER CENT SHOW PRIZES

Highest Market Prices

### Are Good for the Big Chicago Show

For seven years my famous birds have captured 90 per cent of first and second prizes, cups and specials at all big poultry shows. The "TECKTONIUS STRAIN" so surely has the habit of "coming back," that this year some of my best customers—buyers of my high-grade stock—have asked me not to show at Chicago in December. They want a chance. Therefore—unless my line is already sold—I will not exhibit at the Chicago December Show. Just now, am offering

#### Unrivalled Bargains in Single and Rose Comb Leghorns

—For quick acceptance: Special values in \$10 and \$15 trios and pens Single Comb Buff; especially good values in \$3, \$5 and \$10 Single and Rose Comb males; extra good values in lots of twelve Single Comb females, mated to one male—utility grade—price \$18 for thirteen birds. This offer good only until November 15th.

Scientific mating methods have made my Buff Leghorns "rulers of the roost." What I have done for the "TECKTONIUS STRAIN" you can do for yours. Care and persistence have made "Tecktonius Buffs" ace high winners in market and show. My handsome illustrated catalog—sent postpaid, 25c, coin or stamps—shows you how to put your birds in the same class.

Get some "TECKTONIUS STRAIN" pedigreed stock—the world's feathered aristocracy—into your flock—while my prices are away down. They will show you how to get in the best prize winning, show room, and general utility class—decrease sickness in the flock—increase percentage of fertility—grow strong, early maturing chicks—breed beautifully shaped birds—reduce cost of feed—increase productiveness—and to get a Buff Leghorn that is really buff—that lays the same, regardless of climatic conditions or moulting periods, is easy to domesticate, and that thrives under any conditions. Get the "TECKTONIUS STRAIN" and you will have the best there is in Single and Rose Comb Buff Leghorns. Do you know about the "Tecktonius & Reed Single and Rose Comb Buff Leghorn Farm?"

After October 1st, 1913, the "Tecktonius" Farm will be known as the Tecktonius & Reed Single and Rose Comb Buff Leghorn Farm—breeding, exclusively, Single and Rose Comb Buff Leghorns. Mr. B. C. Reed—professional in the care and rearing of featured stock—will be my partner in the further development of the now world's best "TECKTONIUS STRAIN" Buff Leghorn. "TECKTONIUS" Single and Rose Comb Buff Leghorns are a safe and sure-return investment for any poultryman. With maximum, or minimum care—in the best, or the poorest quarters—in show room or market—summer or winter—they will earn money for you; they CAN'T HELP IT.

Tecktonius & Reed Buff Leghorn Farm

Route 7

Racine, Wisconsin





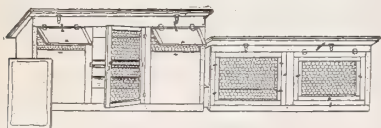
## Know Your Hens on Sight

Successful breeding depends upon knowing your fowls at sight. The

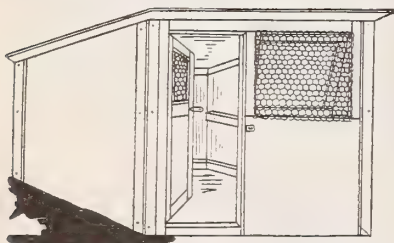
## SPIR-OL<sup>®</sup> LEG BANDS



Are made in six colors and give you 120 combinations. They are indestructible and can be slipped on and off like a key ring. Cannot drop off. Sample free if you send your dealer's address. Retail prices—25c a dozen, 50c for 25, 85c for 50, \$1.50 for 100. Pigeon and baby chick bands, 20c a dozen, 25 for 35c, 50 for 60c, 100 for \$1. P. S. RIGGS : WHITE PLAINS, NEW YORK



COOP FOR 12 HENS, \$10.00



6 ft. x 8 ft. Portable House, \$15.00

Colony Houses, Oat Sprouters, Shipping Coops, Grain Chests, Yard Gates, Nests, etc. Write for free circular showing 20 different cuts.

E. C. YOUNG BOX COMPANY  
RANDOLPH, :: MASSACHUSETTS

Whatever you need in

## R. C. Reds

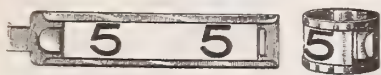
Address, C. E. RILEY, 431 Fargo Ave., Buffalo, N. Y.

## BUFF ROCKS

Am breaking up my breeding pens and am offering high class exhibition specimens of both sexes at very low prices, considering quality. Some of these birds have show records, other equally as good have never been shown. Mention American Poultry Journal.

C. E. CLAPP MORGAN PARK, ILL.

## Bourne "Bignum" Poultry Band



Send for these bands. They're what you need. Double big number. Long wanted, it's here now. Something you can SEE. No matter how the bird is standing, one of the two numbers shows. Neat, workmanlike. Big, bold figures. Number slip heavily glazed, one piece only, in aluminum carrier, half inch wide. Easily applied, tongue and slot large and strong, double lock, cannot be pulled off. Made for wear. Best band out. Sizes for Bantams, Leghorns, Reds. Black numbers from 1 to 100 indelibly printed on white, light blue, pink, red, green, cherry and yellow celluloid. Withstands weather and water. State size, color and numbers wanted. Send cash with order. SPECIAL TRIAL OFFER AT OUR RISK. Send sixty cents in U. S. stamps or money order for twenty bands. Keep them for a full month and if at the end of that period you are not fully satisfied that they are what you want, return them to us and we will refund your money, no matter whether you have used them on your poultry or not. We leave it to YOU to decide. Mention A. P. J.

Bourne Manufacturing Co.

Dept. M. 216 Howard St. Melrose, Mass.

## World's Foremost White Wyandottes

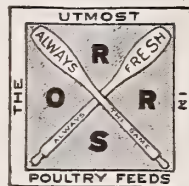
have won the highest honors at New York, Boston and all the prominent shows in the United States and Canada, including the Alaska-Yukon Exposition. Send for circular and see who has been breeding the best winners for many years. All stock returned at my expense, if not satisfactory. J. H. JACKSON, - Lock Box 88, - HUDSON, MASS.

## Lyle's Partridge Rocks

Prize winners and stock from prize winners at bargain prices. Look up show record and write.

W. O. LYLE & SON

GNADENHUTTEN, OHIO



## Every Ounce Guaranteed

BY D. LINCOLN ORR

Absolutely and without doubt we are putting on the market the only clean, sweet and pure feeds. Always fresh and always the same. Send for our booklet and see who is using our feeds. You want results, then feed for them.

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Box 5

ORR'S MILLS, NEW YORK

BREEDERS OF BRED-TO-LAY

## Pen-Y-Bryn Farm

F. A. TIFFANY, Supt.  
Box A436 Ambler, Pa.

S. C. White Leghorns

White Wyandottes

White Indian Runner Ducks

Imperial Pekin Ducks

Rouen Ducks

Excellent Cockerels, Pullets and Pens For Sale both for Utility and Exhibition Purposes. Our Ducks are winners at Philadelphia, Camden, Ambler, Baltimore, Allentown and Hagerstown

## If You Want to Win

at the Winter Shows, Maple Farm White Plymouth Rocks will help you to accomplish your desires. Remember

### Our Recent Wonderful Winning

at the great Illinois State Fair this fall, where, showing sixteen birds, we placed every one in the money. Our summary showed 5 Firsts, 4 Seconds, 2 Thirds and 1 Fourth.

### Let Us Help You

make a clean sweep at your show. For full particulars, as given in our beautiful and instructive catalog, address

## MAPLE FARM OF MIDLOTHIAN

Charles D. Ettinger, Proprietor

Walter A. Cook, Manager

Box 105

Tinley Park, Illinois

## Fluffy Ruffles Barred Rocks

The World's Champ. Strain Continues to Win Wherever Shown

"FLUFFY RUFFLES"---The \$1,000 hen, and her kin have won for me and my customers more prizes at Madison Square Garden, N. Y., in five years than any other strain.

This record does not include Specials or winnings of my customers. No other pullet line has ever equalled this continuous win.

"Fluffy Ruffles" Strain is Winning Now for My Customers, for Me, and Will Win for You.

I am in a position to furnish from this WORLD'S CHAMPION FEMALE LINE choice selections of STOCK or EGGS to all those wishing the BEST. My line of males for this season is headed by the 1st Cock at Madison Square Garden, 1911. This winning stamps him as the finest specimen of this variety in the world. For prices of the above phenomenal strains write, mentioning Am. Poultry Journal.

## WELLESLEA FARM POULTRY YARDS

C. H. Welles, Prop.

Stratford, Connecticut



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## BYERS' STRAIN ORPINGTONS

**Buff, Black and Pearly White**—No demand too great or competition too keen for me to meet. Catalog free if you clearly state your requirements. Something new along the line of Prices, Quality and Service.

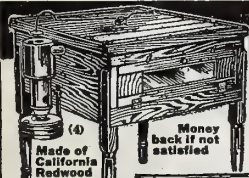
C. S. Byers

(Orpington Specialist, 15 Years)

Hazelrigg, Indiana

## Wisconsin Wins In Big Hatching Contests

Every Year



130-EGG  
130-Chick  
Both for  
**\$10**



Mrs. J. McMahon, Veedersburg, Ind., in 1910 won in Missouri Valley Farmer Hatching contest, hatching 125 chicks from 125 eggs.

Mr. C. B. Armitage, Atwater, Ohio, in 1911 won in Successful Farming contest, getting 181 chicks from 181 eggs in two hatches.

Mrs. J. W. Mize, Vaughns Mill, Ky., in 1912 won in Successful Farming contest getting 208 chicks from 209 eggs in two settings.

Mrs. F. H. Lewis, Montrose, Pa., in 1913 won in Successful Farming contest, getting 96 chicks from 96 eggs in one setting.

**130-EGG Incubator & 130-CHICK Brooder, both \$10**  
**180-Egg Incubator—180-Chick Brooder, both for \$11.50**

Freight paid East of Rockies—Incubators have hot water heat, double walls, dead air space between, double glass doors, copper tanks and boilers, self-regulating. Nursery under egg tray. Incubator and Brooder shipped complete with thermometers, lamps, egg-testers, all set up ready to use when you get them. Incubators finished in natural colors showing the high grade California Redwood lumber used—not painted to cover inferior material. If you will compare our machines with others we will feel sure of your order. Don't buy until you do this—you'll save money—it pays to investigate before you buy. Send for FREE catalog today, or send in your order and save time.

**WISCONSIN INCUBATOR CO., Box 76, RACINE, WISC.**

Write for  
**FREE CATALOG**  
and we will  
send a sample  
of the  
Redwood  
our Incubators  
are  
made of

Why  
Take  
Chances

## A. C. HAWKINS' ROYAL BLUE BARRED ROCKS

### SWEEPSTAKES CHAMPIONS

AT

### New York, Boston and Chicago

They have produced the winners at the World's Greatest Shows for 25 years, and at the Great New York Show, 1911-1912, made a **WORLD'S RECORD**, winning six out of eight prizes awarded on Barred Rock Cockerels, including First Prize and Sweepstakes Silver Cup for Best Cockerel, and Grand Special Prize for Best Cockerel Mated Pen.

AT CHICAGO, Dec., 1912, in a class of over 400 Barred Rocks they won Four First Prizes and the **GRAND SWEEPSTAKES CHAMPIONSHIP \$100.00 CUP** for the Best Display of Barred Rocks. My White Rocks and Columbian Wyandottes have won more prizes at New York and Boston than any other strain and have no superiors.

**2000 CHOICE EXHIBITION AND BREEDING BIRDS** for sale at honest prices. Finely illustrated Catalog of the World's Champions Free.

**A. C. HAWKINS**  
LOCK BOX 25, LANCASTER, MASS.



"ROYAL BLUE" First Prize Sweepstakes Champion Cockerel at New York.

## EGGS

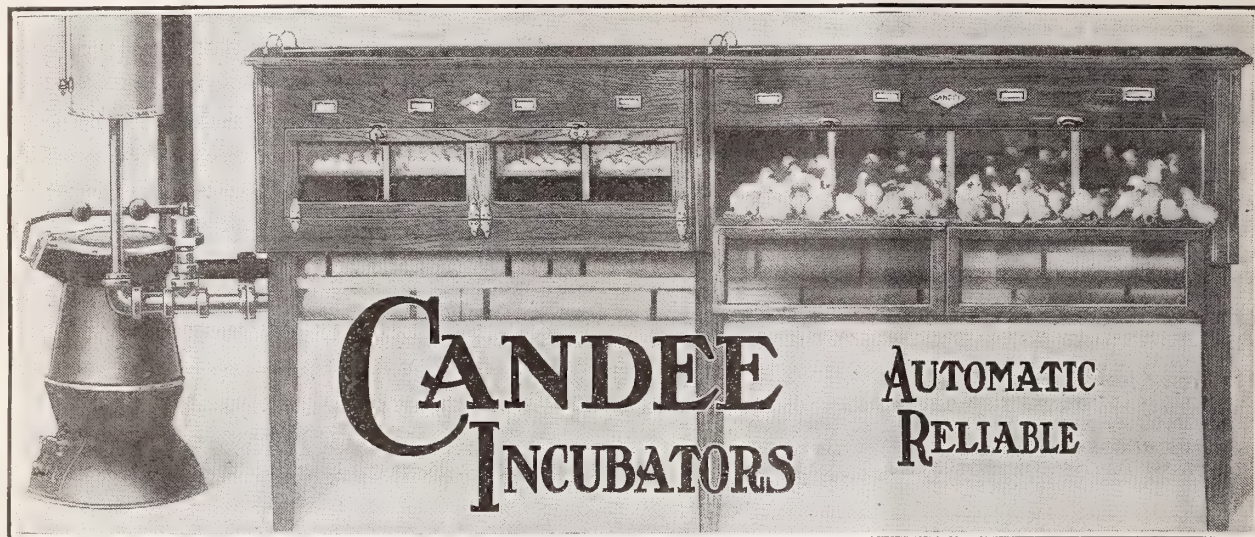
FROM THE  
**"ALL STAR" Matings**

1 Setting - - \$10.00  
2 Settings - - 18.00  
3 Settings - - 25.00  
100 EGGS - - 50.00

**BARRED ROCKS**  
**WHITE ROCKS**  
**COLUMBIAN WYANDOTTES**  
There Are None Better.



# Start This Year with This 1200-Egg



From a Photograph of the Candee owned by Harry Tweddle, Beaver Dam Poultry Farm, Montgomery, N. Y. He has since bought 3600-egg capacity, making a total Candee hatching equipment of 4800 Eggs.

## Safety First in Incubation

In purchasing a mammoth incubator, the fact that the Candee hatches such larger percentages, is not why the majority of people are using the Candee.

It is installed in preference to all others because it is impossible to overheat the eggs.

### Safeguard for Each 300 Eggs

One or even two regulators on a mammoth incubator is no more safeguard against overheating than it would be to try, by putting two check dampers in your furnace, to regulate the temperature in your bedroom 100 feet away.

To evenly warm your bedroom, it must have a separate regulator to attend to that room alone.

The Candee has a safeguard and regulator on every 300 eggs.

By buying a Candee, you are insured against overheating.

By buying any other make, you take your own chances.

Why gamble?

The Candee "insurers" against overheating are set to the right temperature and never touched during an entire hatch.

### Relieves the Operator of the Responsibility

The Candee automatic safeguards are the real progress made in artificial incubation. They take the place of the hand raising and lowering devices on the trays, and represent progress just the same as the heater is an advance over the oil lamps.

On the 1200-egg Candee there are five automatic safeguards against overheating. These are in action 24 hours a day and they prevent the heat from creeping up or dropping off—without any attention on the part of the operator.

Contrast this with obsolete methods where the operator frequently raises or lowers the trays after he finds the temperature is wrong. Operation then depends upon the constant watchfulness of the operator. In the Candee one adjustment does for the hatch.

As you learn the details of operation, the more you will appreciate the Candee, and the little attention it requires.

### How to Operate the Candee

The 1200 does not tie you down. Attention morning and night are all that is required. If you have employment that takes you away from home during the day, the Candee will not hold you back.

Plenty of our customers with small poultry plants operate their 1200-egg Candee as a "side line," adding materially to their income.

There is nothing about running a Candee that your wife or any other member of the family cannot quickly understand.

### How the Candee Will Pay You

Use any spare space in the incubator for Custom Hatching. That business goes naturally to the mammoth and the revenue from it counts up fast.

A 1200-egg Candee has 16 trays and at \$2 a tray that means \$32 for three weeks' work. That means \$160 for five hatches.

Can you afford to overlook this phase of the business?

At average figures you can sell baby chicks at from 10 to 25 cents each, and this business alone will amount to from \$60 to \$90 per hatch.

Can you overlook this opportunity?

### The Easy Way to Get Started

Do as hundreds of our customers have—start with a 1200 and then enlarge the next season. Larger sizes pay in proportion, but the 1200 is the stepping stone to success.

With this size the beginner has all the advantages of the larger Candees and yet it takes only a small investment.

Putting in a 1200 requires only a small outlay of money—one that can pay for itself quicker than any other investment on a poultry plant. Your revenue from the incubator begins with the first hatch.

## CANDEE INCUBATOR & BROODER CO.,



# Size Candee Colony Brooder Heater

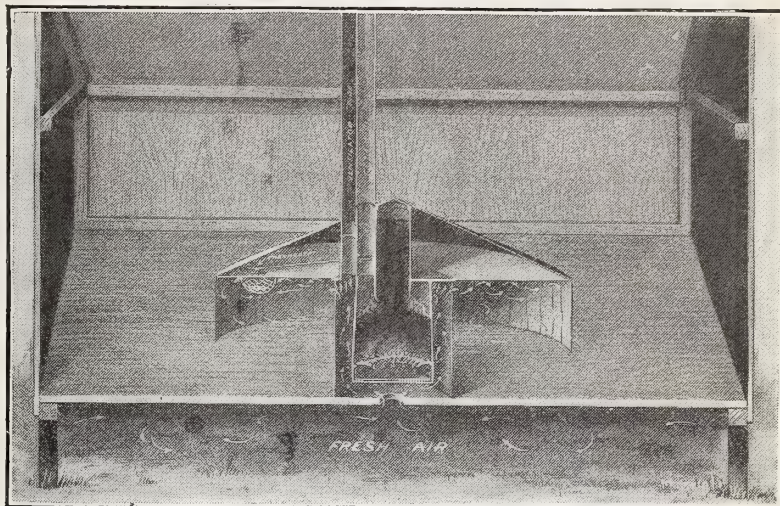
## It Heats and Ventilates

The Candee, unlike other colony house heaters, takes in fresh air from the outside and heats it to the right degree. The used heat is carried off through a ventilator pipe. This is the one feature that every poultryman has been looking for.

## Automatically Regulated

The Candee heater and air supply are both automatically regulated in a simple manner by one thermostat. Adjust the thermostat as you would in a small brooder and tend the fire once a day. With the magazine feed, one filling in two or three days is sufficient.

Write today for Colony Heater Circular



Cross Section of Our Heater—Patents Pending.

# 106 Big Candees on Long Island Alone

On Long Island, N. Y., the world's recognized experts on incubation---the duck growers---live. They tried out the Candee and all other mammoths, and today the Candee is practically exclusively used by them. They discarded more than 1,800 lamp machines and have more than 600,000 duck egg capacity.

## All Over the United States

The big poultry farms on Long Island also use Candee equipment. They have found the incubator they have been waiting for. Why not profit by their experience?

Candees are used in every section and in every climate. They are identical in construction, whether they go to Florida or to Maine. They run equally successfully, whether it is January or June---no fuss or bother.

Our goods sell themselves---one customer recommends the Candee to another. Where earlier there was one in a locality, today you will find clusters of them. We have many customers who never communicated with us until they placed their order. They had watched the operation of a Candee in their locality and made their decision from it.

## What There Is to Installation

If you have pictured getting a Candee as a big job, you are mistaken. Look at the 1200 illustrated on the opposite page. The heater comes with the fittings in place and in a half hour you have it ready for the fire. The pipe underneath the machine is already cut to length and you have it coupled in ten minutes. The legs are put up, the two sections lifted on and coupled up in half an hour.

Our customers set up their own machines and have their 1200 ready for eggs in less than a day.

As your business grows, you add one or more sections, just as easily.

Lots of Candees are in house cellars. The Fire Underwriters have approved it and the insurance rates are unchanged.

Including the room to tend the heater and to run both sides of the machine, you only need 11 x 14 feet of floor space for the 1200-egg size.

## Our Broad Guarantee

It is because of the widespread satisfaction with Candee equipment that we can make the broad proposition: "Write your own Money Back guarantee."

We know our goods and we know the results our customers have. We have personally visited scores of them and heard their enthusiastic praise.

There are no qualifications to their endorsements. They realize that the Candee is far ahead of any other incubators they ever used, that it really makes incubation easy and simple and highly profitable.

## Read Our Big Free Catalogue

Many of our customer's letters are reproduced in it. They are not cut and dried testimonials. They are the personal convictions of the customers. You will find hundreds of them from all parts of the country, illustrated with photographs of large and small poultry plants.

This catalogue is unlike regular catalogues. It has 108 pages, brimming full, telling about Candee Incubators, Brooding Systems and Colony Brooder Heaters. Better clip the coupon and send it in today.

### COUPON

CANDEE INCUBATOR & BROODER CO.,  
Eastwood, N. Y.

Please send me your free 1914 catalog.

Name \_\_\_\_\_

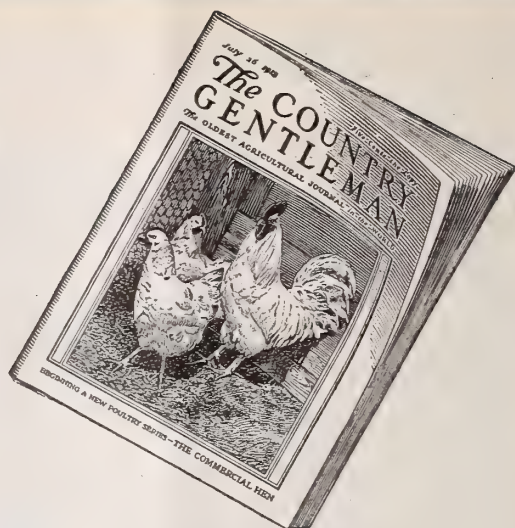
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# EASTWOOD, N. Y.



# Are You a Double-Profit Poultryman? Or Are All Your Eggs In One Basket?



Double Profits come from poultry fitted into the mixed farm—berries and broilers, eggs and apples, capons and calves.

Double Profits come from direct selling, the poultryman getting both the producer's and the retailer's profits.

Double Profits come from growing all your poultry feeds and selling them to your hens—getting the profit on the feeds as well as on the poultry produce.

You will find the **practice of producing and the business of selling for Double Profits** discussed in every issue of *The Country Gentleman*, the Weekly of Efficient Farming on a Business Basis.

Along with good poultry keeping must go good farming for the average man. Only the expert few can trust all their eggs to the one basket as a specialty. Most men will do better with the three-legged stool of poultry, truck and fruit—and there are other paying combinations.

## In the Issue of December 6th:

**Old Farms Made New:** The story of actual cases where the Department of Agriculture experts have replanned fields, revised rotations, and introduced business system on failing farms and turned them into profit makers. The principles will apply to both large and small places—the five-acre poultry farm and the thousand-acre wheat ranch.

**Women Who Farm** usually succeed by combining poultry with fruits, or flowers, or vegetables, or bees. Personal stories tell the tale, and these you find in nearly every issue.

**Fresh Fowl—or Frozen:** Whether you sell live or dressed fowls or eggs you need to know how cold storage helps you market. The Government expert chemists tell the story of chilled fowls and eggs.

**Pecans—A Tree Crop of Tomorrow:** It fits on the poultry farm, too, along with the fruits and vegetables. Dr. Smith, the author, an authority on tree crops, has just returned from an 18,000-mile trip through the century-old nut groves of Southern Europe and North Africa.

## Other Features That Will Help You

**Progressive Agriculture:** Boiled down items on what the Government is doing for farmers.

**Everyman's Garden:** The timely methods that will make things grow in any garden, big or little.

**Commercial Poultry Keeping:** The essentials of egg and fowl farming to turn a profit.

**Everyday Farm Practice:** The things which the stockman, the fruitgrower and the general farmer need to know at the time they need it.

**The Countrywoman's Questions:** Styles of the day, recipes and cooking helps, household shortcuts, care of the children and ideas for social work.

And Other Things in Season.

*If Farming is Your Business There's no Paper in the World You Need so Much as*

# The COUNTRY GENTLEMAN

Your Grandfather Read It    Your Father Read It    Are YOU Reading It?

Five Cents the Copy, of all Newsdealers. \$1.50 the Year, by Mail.

THE CURTIS PUBLISHING COMPANY, INDEPENDENCE SQUARE, PHILADELPHIA, PA.



# FRENCH'S POULTRY MUSTARD

Absolutely Pure

**The Original Poultry Mustard**

Pat. Applied For

We have learned that unscrupulous dealers are buying for low prices, cheap and inferior mustards in bulk and offering them in place of French's Poultry Mustard. French's Poultry Mustard is made from imported seeds in the most careful manner and is as near as possible to the mustard used in England during the experiments, excepting that it has greater strength.

In order to be sure and not get counterfeits or inferior articles palmed off on you, insist upon having French's Poultry Mustard, and see that it is in the original and unbroken packages. We do not ship this mustard in bulk, excepting to consumers, and mustard that is offered you in unbroken packages or in bulk, as French's is not French's, but a counterfeit.

If you have not already done so, write us for a copy of the booklet as published by Mr. Ralph Allen of England, upon the subject of the use of mustard with poultry, and if you use mustard, use the one that is adapted solely for the purpose for which it is intended. Don't accept counterfeits or the substitution of inferior goods.

## For the Laying and Show Season

value. **It insures an increased egg yield.** It helps the moult—makes it **quicker and more natural** and the hens get to laying right quick. It is beneficial and insures the richest plumage, and keeps the birds toned up at all times to show at their true worth. It is used by the leading breeders and highly endorsed by thousands.

Condition your stock by using  
"French's Poultry Mustard."  
There is nothing to equal it in

### Old and Young Thrive On It

Experiments here and in England have proven its value. It is used and recommended by thousands of poultrymen. It is not the amount of food a hen eats, but the nutriment she extracts from food by the digestive process that supplies all nature's demands and produces eggs. It is sold the world over—here is a partial list of the principal dealers handling it. If your dealer does not have it send us his name with your order.

ALABAMA	Birmingham	Gammill Seed & Dairy Supply Co.	NEW YORK—Cont.	Gloversville	E. L. Durkee & Co., 13 No. Main St.
BRITISH COLUMBIA	New Westminster	McVay Seed Company		Livonia	E. C. Stone
	Victoria	Brackman-Ker Milling Co.		Newark	C. A. Welcher.
CALIFORNIA	Los Angeles	Brackman-Ker Milling Co.		New York City	Stump & Walter, 50 Barclay St.
CONNECTICUT	Southport	Germain Seed & Plant Co.			Robert Essex Incubator Co., 67 Barclay St.
FLORIDA	Jacksonville	Pequot Poultry Farm Co.		Perry	M. F. Streeter
GEORGIA	Atlanta	Walton Seed Co.		Saratoga Springs	Daniel Eddy & Sons, Inc.
		W. G. Hastings & Co.		Wayland	Kimmel Hardware Co.
	Brunswick	McMillan Seed Co.		Durham	Peabody Drug Co.
ILLINOIS	Savannah	J. M. Burnett	NORTH CAROLINA	Raleigh	Job P. Wyatt & Sons Co.
	Chicago	W. D. Simkins & Co.		Yarmouth	S. P. Goudey.
		W. W. Barnard & Co., 231 West Madison St.	NOVA SCOTIA	Canton	Canton Grocery Co.
		The Vaughan Seed Store, 31 West Randolph St.	OHIO	Cincinnati	J. M. McCullough's Sons Co.
		Eber Seed Co.		Woodsfield	The Cash Store, F. E. Dorr, Prop.
INDIANA	Quincy	Petaluma Incubator Co., 147 North Delaware St.	PENNSYLVANIA	Bangor	S. E. Merkel & Company
	Indianapolis	The Wesley Miller Flour & Feed Co.		Harrisburg	Theodore Neuffer, 1214 Derry St.
	South Bend	George W. Turner & Son		Hellertown	Robert E. Yons.
IOWA	Burlington	Ross Bros. Seed House		Lancaster	Sprecher & Ganss
KANSAS	Wichita	Bruce Poultry & Seed Co.		Norristown	Simpson Bros.
LOUISIANA	New Orleans	320 Carondelet St.		Philadelphia	Cugley & Mullen, 1229 Market St.
MARYLAND	Baltimore	Griffith & Turner Co.		Pittsburgh	C. J. Cleland, 645 Frankstown Ave.
		Meyer-Stisser Co., 32 Light St.			I. W. Scott Co., 514 Liberty Ave.
MASSACHUSETTS	Danvers	Ropes Brothers			J. Walker & Son, 1625 Beaver Ave.
	Fall River	W. G. Pearse & Co.			Jennings & Stark.
	Salem	Ropes Brothers			George C. & F. A. Brooks
MICHIGAN	Detroit	Tomlinson & Lanphere Co., Jefferson Ave.		Tunkhannock	Providence Seed Co.
		Jones Seed Co.	RHODE ISLAND	Wellsboro	W. H. Mixon Seed Co.
MINNESOTA	Grand Rapids	Northrup King Co.	SOUTH CAROLINA	Providence	Otto Schwill & Co.
NEW JERSEY	Minneapolis	R. Pinder, Prop. Poul. Sup- ply House, 279 Morris Av.	TENNESSEE	Charleston	Drumm Seed & Floral Co.
	Elizabeth	S. Nagle Jr. Coal & Grain Co.	TEXAS	Memphis	Texas Seed & Floral Co.
	Ridgewood	Sidney R. Clarke, Harmony Park, Route 1.		Fort Worth	Ferd. Staffel
	Scotch Plains	Shults Bros.	VIRGINIA	Dallas	Fanney & Miller, 48 Washington St.
		Jas. S. Lussow		San Antonio	T. W. Wood & Sons, 12 South 14th St.
NEW YORK	Avoca	W. M. Killigrew	WASHINGTON	Norfolk	Seattle Seed Co.
	Avon	Jas. D. Finn	WISCONSIN	Richmond	L. L. Olds Seed Company
	Corning			Seattle	
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**French's Poultry Mustard**

Sold in Sealed Packages Only

**FRENCH'S POULTRY MUSTARD**  
is sold at 20 cents per pound in six and ten-pound boxes and 25-pound kegs. Sample package, 1½ pounds 35 cents. A trial order will convince you. Write for it today. Poultry pays best and does best when **French's Poultry Mustard** is regularly used. A teaspoonful to six to twelve fowls fed daily in wet or dry mash. Booklet for the asking.

**The R. T. French Company, Dept. A, Rochester, New York**



# The Gillette Poultry Feeder

## Best and Cheapest

**S**OME of the most profitable flocks of poultry in the world are fed by the Gillette Poultry Hoppers. On the successful roaster plant of Fessenden & Allen over 200 Gillette Hoppers are doing the work of a practical man. It takes exceptional ability to raise winter chickens, yet the Gillette Hoppers are feeding these chickens from the time they are three days old, successfully and economically, far more efficiently than by hand.



The long house for growing stock on the Fessenden & Allen Poultry Farm, Norwell, Mass., Growers of the Famous South Shore roaster chickens.

Wellesley College Farms,  
Wellesley, Mass., are using  
80 Gillette Hoppers

The E. B. Bowen Plant,  
Washington, N. H., are using  
over 100 Gillette Hoppers

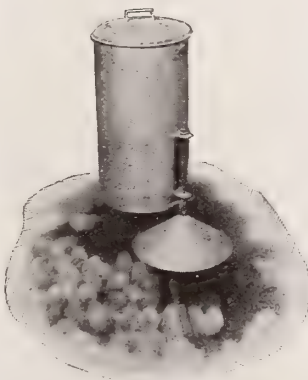
The Zelca Farms,  
Verona, N. J., are using  
65 Gillette Hoppers

F. I. Burney,  
Swansea, Mass., is using  
30 Gillette Hoppers

The list of Gillette users embraces plants in every part of the country. These plants, owned or managed by men of keen ability, have adopted the Gillette Hoppers only after careful consideration. We have proven to these men, and many others, without an element of doubt, the extravagance of hand feeding and the necessity of a uniform supply of dry mash at all times.

## The Gillette Ground Grain Hopper Solves

the dry mash problem. This is due to the Gillette method of agitation. It works wherever there are chickens, outside on the range without shelter equally as well as inside. **The Gillette Hard Grain Hopper** eliminates all hand feeding. It responds to the appetite of the birds, it feeds them just as nature intended, a little at a time during the day, with every opportunity to secure a full crop just before going to roost. It fulfills the requirements of every bird, a tremendous task



to perform by hand. The Gillette method of agitation and regulation used in connection with a ball bearing bait-bar shaft makes all this possible—therein lies the essential difference between the Gillette and all others. Whether you have ten chickens or ten thousand you surely will want to investigate the merits of the Gillette Hoppers at once. Ask your dealer to show you our line of feeders. We guarantee satisfaction or refund you your money.

*Write today for our circular. It's free for the asking. Mention A. P. J.*

**FRED W. MORSE CO., Manufacturers, PROVIDENCE, R. I.**



# "It's a Wonderful Machine and Your Service is Unequaled"

SANBORN'S POULTRY FARM  
H. W. SANBORN, PROPRIETOR

ATTLEBORO, MASS., Sept. 2, 1913

The Hall Mammoth Incubator Co.,  
Little Falls, N.Y.

Dear Sirs:

I want to tell at this time of my satisfaction with the 9,000 egg incubator installed here for me last November and my appreciation of the businesslike treatment I have received from you.

*It is a wonderful machine and your service is unequalled.*

This machine was purchased after using a 2,400 egg Hall machine at Pittsfield, N. H. while there. It hatches exceptionally strong chicks that thrive and grow fast — developing into phenomenal layers.

Yours truly,  
H. W. SANBORN.

## The Two Most Important Things To Consider Before Buying

- I. *What kind of service will the Incubator give me?*
- II. *What kind of service may I expect from the manufacturer?*

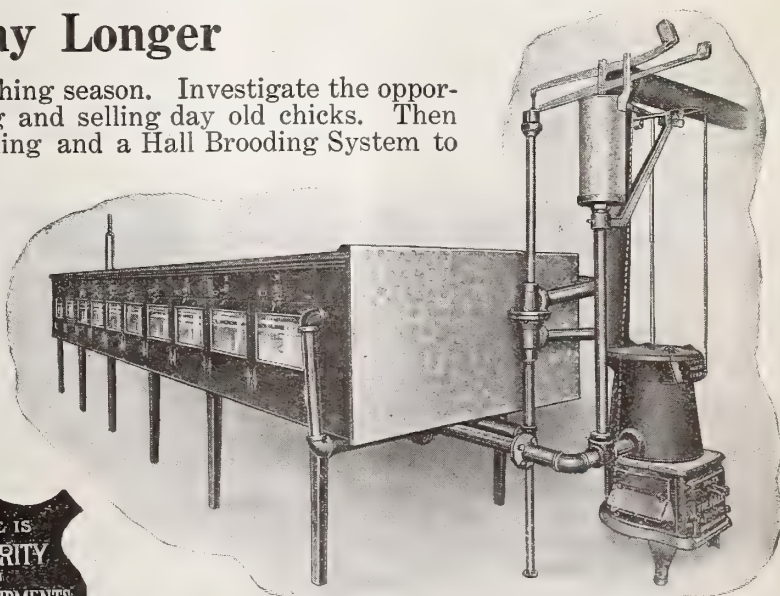
A user may seldom want real service, but when he does want it, he wants it badly. The Hall Incubator requires very little tinkering, still there must be that safeguarding of the buyer's interest, that maintenance of competent organization to meet the unexpected demand and do so promptly and without argument. The first thing then for consideration before buying is: what will the incubator do; and second: how will the company take care of me after I buy. Satisfy yourself

on these two questions and then if you want the machine that will produce maximum results at minimum cost, you will decide upon the Hall Incubator. The Hall guarantee is very broad and is included in every contract. We know the product and stand back of it absolutely. Ask any Hall customer and he will promptly inform you that this is true. Further than this, our Service Department is at the command of our customers and their correspondence is solicited.

## Don't Wait Any Longer

Prepare now for the coming hatching season. Investigate the opportunities for profit in custom hatching and selling day old chicks. Then get a Hall Incubator to do the hatching and a Hall Brooding System to raise the chicks. You cannot go wrong. Our guarantee assures you that Hall equipments give satisfaction

*Write for our catalog describing the new safety temperature control and giving general valuable information about the hatching and rearing of chicks. It will be sent free.*



**The Hall Mammoth Incubator Co.** 132 Southern Avenue  
Little Falls, N. Y.



# BLUE ORPINGTONS :: SILVER CAMPINES

At the Crystal Palace Show, London, Eng., Nov., 1913, I won on Blue Orpingtons, 3rd Cock; 2nd, 3rd cockerel and 2nd pullet. On Silver Campines, 3rd cockerel and 4th pullet.

At the great Dairy Show, London, England, held on October 21, 1913, I won on Blue Orpingtons first in a class of 34 entries, the biggest class ever known in this variety. Also 3rd and 5th. After my previous wins at Madison Square Garden, New York, and the Crystal Palace, London, in this variety, it's positive proof of the excellence of my strain. Remember, I am the originator of the Blue Orpingtons of today. It's easy to buy winners, but a different thing to breed them, unless you have the stock and the knowledge. I have got them ready right here for you and birds that will reproduce their like. I have birds now for sale that will win in the keenest competition in the world. Having attended personally the Madison Square Garden Show, New York, in 1911 and 1912, I know the exact American requirements. Write me, stating your needs. I will answer by return mail and guarantee you every satisfaction. I can ship immediately on getting your order and guarantee live delivery in New York. I arrive at the Seville Hotel, 29th St. and Madison Ave., New York City, December 24, and can book any orders then as well.

**Max de Bathe, Hartley Court, Reading, England**  
Vice President English Poultry Club. Member Advisory Committee Live Stock Department, Panama-Pacific Exposition, 1915

## CAUTION

Any Bone Cutter claiming to be Mann's without F. W. Mann Co. cast on its surface, is an imitation. If made in Milford, Mass., it is Genuine.



## Make Your Hens Lay

A FREE BOOK FOR YOU ON MAKING HENS LAY

### When Eggs Are Worth Most

**H**ENS relish juicy bugs and worms because these supply the protein feed they require to make eggs. The craving for meat and bone food—protein feed—is simply nature working out the egg-laying proclivity. Hens **must** have food rich in protein or egg-making elements, or it will be impossible for them to lay.

Our little book tells you all about the how and why of this. It makes you master of egg-getting. It's a book that opens up to you the real possibilities with poultry.

It's simply a matter of knowing what food to supply and how to prepare it. It is now established beyond all doubt that raw, green bone, with adhering meat and gristle, cut fine, is the ideal egg-producing food. Its cost is a mere trifle and its preparation is easy with a

## Mann's Latest Model Bone Cutter

Sold On 10 Days' Free Trial—No Money Down

It turns easily and rapidly, cutting green bone, with adhering meat and gristle, wasting nothing.

Its self-governing feed automatically adapts the cutting to your strength, so that anyone can use it.

Its open, hinged cylinder is easily cleaned, and it takes in large bones. It is strong, durable, and requires few repairs. We want you to try one.

We will send you a Mann's Latest Model Bone Cutter on 10 Days' Free Trial—no money down. If satisfied after the trial, buy it. If not, return it at our expense.

You want our good books, at any rate, send for them. We'll forward by return mail.

**F. W. Mann Co., Box 56, Milford, Mass.**







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for . . . \$1.00

Greatest Subscription  
Offer Ever Made

## The Three Best Poultry Papers for the Price of One

**American Poultry Journal**, the one great poultry paper of America, is now in its 44th volume. Contains as high as 252 pages per issue. The eight-page colored supplements and colored covers each month are alone worth the subscription price.

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These three papers of the East, West and Middle-West cover the country thoroughly and no matter where you live you will find your peculiar problems treated with familiarity.

<b>American Poultry Journal</b> , Price \$1.00	} All Three for	<b>\$1.00</b>
<b>American Poultry Advocate</b> , " .50		
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### The Greatest Combination Ever Offered

The three papers being sold together for the price of American Poultry Journal alone give you the most complete, practical and up-to-the-minute poultry literature published. If you want to keep in touch with every branch of the poultry business in all sections of America, fill in and mail the attached coupon.

This offer, for both new and renewal subscriptions, is limited and good only until December 31st, 1913.

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542 SO. DEARBORN ST., CHICAGO, ILLINOIS

AMERICAN POULTRY JOURNAL PUB. CO.  
542 South Dearborn Street, Chicago, Illinois.  
Gentlemen:—Enclosed find \$1.00 for which send me one year's subscription each to American Poultry Journal, American Poultry Advocate and Western Poultry Journal.

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Quality in Rufus Reds, White, Black and Buff. Bred true to color. Prices right.

CITY OF ALLEGAN HARE CO.

C. Ogden, Manager

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BUFF & WHITE  
CAMPINES**

The quality that wins and catches the eye of the fancier. A few top notchers to spare at right prices. Catalog etc, free. Write C. A. Keefer, AJS, Muskegon, Mich

**We Have a Big Proposition for You**

If you want one portable house for keeping a few chickens on your back lot, or if you want a number of colony houses, do not fail to write for circulars and prices on portable chicken houses. Many styles and sizes. Shipments made from coast to coast. Prices \$9.00 to \$50.00.

Write for circulars to-day. Mention A. P. J. The Lytle Lumber Company, Deshler, Ohio

**Your Exhibition Birds**

Will stand a much better chance of winning if

**Keifer's Conditioning Tablets**

are used. A tonic for maintaining health and appetite and to counteract the effects of confinement. 25c box of 50. \$1.00 box of 300.

See what our White Wyandottes did at Ill. State Fair. THE F. B. KEIFER CO. - - MARSHALL, ILL.

**BOWMAN'S ROUP CURE**

Is Guaranteed to CURE Roup or White Diarrhoea, or Money Back.

For sale by all dealers, 25 cents, or by mail on receipt of 35 cents. Manufactured by

**J. H. REED : PARIS, ILLINOIS****Poultry Printing**

125 Noteheads and 125 Envelopes, \$1.00 prepaid. Noteheads, Envelopes, Cards, Tags, Labels, 100 of either, 50c; 250, 85c; 500, \$1.40; 1,000, \$2.40, prepaid. Circulars, Catalogs and Postcards at low prices. Cuts used. Samples for stamp.

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**C. O. D. SHIPMENT**

**ALL BREEDS Extra Fine** Chickens Turkeys Ducks Geese

We ship all the leading breeds of fine chickens, turkeys, ducks and geese of the very heavy laying strains and large, vigorous birds that must please, as we ship them C. O. D.

**FOR GREAT LAYERS AND SHOW BIRDS**

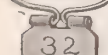
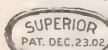
Write for full information and Special Dec. Prices. Macomb Fanciers Co. : Macomb, Illinois

**The Improved Champion Leg Band**

Aluminum only; two sizes; adjustable to fit any fowl. Held by double lock. They can't lose off.

**THE RIVETED**

Can't be removed without destroying band, six sizes. Plyer sealer 25c. Numbered consecutive; no duplicates will be made. **THE SUPERIOR**. Positive lock, can't lose off, six sizes, all ways state breed and sex. Either kind, postpaid, 12 for 15c; 25, 20c; 50, 35c; 100, 60c. Initials extra on Champion only, 10c per 100; 50 or less 5c. Also Pigeon Bands, Stamp for one sample. Circular free.



T. CADWALLADER, Box 1352 Salem, Ohio

**ZIMMERMAN'S R. C. REDS**

Prize winners at Cleveland. Exhibition and breeding stock for sale. Satisfaction guaranteed or money refunded. When writing mention American Poultry Journal. Address

**W. F. Zimmerman****Willoughby, Ohio****Eakin's White Wyandottes****Win at Hagerstown 1913—Ohio State Show 1913**

At Hagerstown Great Fair my birds won first cockerel and special fourth pullet, etc. At Ohio State Show, cock 1-3; cockerel 2-3; pullet 2-4; special for best Wyandottes at Show; shape special, etc. The quality of this line will please you. Write me your wants and for my mating list. Eggs for hatching from selected matings. Satisfaction guaranteed. F. M. EAKIN, Box A, Bucyrus, Ohio

**SCRANTON'S Single Comb Reds Are Unexcelled.**

When purchasing Reds, look to it that you get your birds of a breeder who has been producing the best for years. There are no better Reds than are bred on my farm. They always win the lion's share in all the big shows, which records will prove at such shows as Chicago, Hagerstown, Louisville, Kansas City, St. Louis, Indianapolis, Cincinnati, Springfield, Ill., etc. Can fit you out with show birds for any show. Will sell at bargain prices strong breeding cockerels and utility cockerels for the next 30 days. Make your wants known, I can help you out.

**B. H. Scranton, Box 350, Rising Sun, Ind.****Walden's Barred Rocks**

PHILADELPHIA, NEW YORK and BALTIMORE WINNERS. I can please you with quality and price. Quality is my aim, with satisfaction assured. Choice exhibition and breeding stock at right prices. If you want quality that will improve your stock, I can supply it. Write me your wants.

**R. J. Walden Box A Middleburg, Maryland**

"I certainly would have been foolish to pay \$15 or \$20 for a machine not so good as the Reliance, when the Reliance will hatch as many chicks as any incubator made. I had 3 hatches this Summer and hatched every fertile egg. My neighbors are greatly pleased. You will hear from me again."—P. W. Schaub, Columbia, Pa.

**Wouldn't You Be Foolish to Pay \$15 for an Incubator When We Sell the RELIANCE for only \$5.75?**

Not one of the higher priced incubators is a bit better than the 150-egg Reliance. Dozens of them are not nearly so good. Here's where the difference lies. It costs more money to sell high-priced machines. More money for advertising, more money for 2- and 3-color catalogs, more money for large stenographic forces to handle correspondence to close a sale, more money for postage and more money to manufacture, for where others build only a few thousand machines, we make thirty to forty thousand, and in putting out this large number, we effect savings in manufacture which we also give to you.

You can't buy a better 150-egg incubator than the Reliance at \$5.75, or a better 70-egg incubator than the Reliance at \$3.90. If you pay more, you are paying the cost of selling the machine to yourself.

**150-Egg Size, \$5.75; With 150-Chick Brooder, \$3.25. 70-Egg Size, \$3.90; With 70-Chick Brooder, \$6.50.**

**\$5.75 WORTH \$15.00**

**Reliance Incubators and Brooders**

sell themselves. The sale of one leads to another and another. Repeat orders come every day; orders from recommendations number hundreds each week; for there's no incubator like the Reliance for results. Read the letter from Mr. Schaub, Columbia, Pa., at the top of ad. That's what all write us.

Chickens hatched in the Reliance grow like mushrooms, live to produce and make big money for their owners. Our incubators are not cheaply made, either. Side walls and top are made of three thicknesses—could not get in, heat can't get out. Equipped with best regulator, thermometer, egg tester, lamp, egg trays. Beautiful finish, handsome steel legs. The Reliance makes chicken raising pay big profits. No

losses; no repair bills; no extras to buy; no waste of oil.

**RELIANCE 150-Egg, price \$5.75 — with \$3.00 brooder, \$8.25 — guaranteed.**

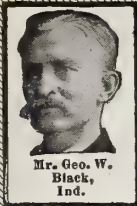
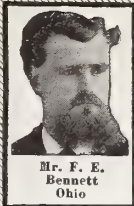
**RELIANCE 70-Egg, price \$3.90 — with \$3.00 brooder, \$6.50 — guaranteed.**

Better order direct from ad—NOW—before rush comes in. You are safe in sending money, as results are guaranteed or money refunded. If you want particulars, write for our literature. We send just a plain circular, but it's filled with Reliance Incubator facts and reasons why we can sell better than a \$15.00 hatcher for only \$3.90 and \$5.75. Send your order for immediate shipment, and start quick. Or write at once to

**RELIANCE INCUBATOR CO., Dept. A, Freeport, Ill.**  
Manufacturers of Bargain Grain Sprouters, Incubators, Brooders

Better read that back inside cover right now. Its a sure base hit



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Black,  
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IllinoisMrs. Alta  
Hamlyn,  
Ind.Mr. F. E.  
Bennett  
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Oklahoma

Let  
me put  
**You**  
in this  
World's  
Champion  
Class

Winners of Eight World's Championships with Belle City Hatching Outfits

## Join the Money Making Champion Poultry Raisers

Jim Rohan  
Pres.

**I Want Your Photo Here**

Mrs. Alta Hamlyn, of Indiana, joins the Belle City's list of World's Champions. She scored TWO 100% perfect hatches with her Belle City Incubator in Successful Farming's 1913 contest. Mrs. Hamlyn says: "I can hatch every fertile egg in my Belle City." William C. Schott, of Iowa, shares the 1913 honors, his 100% perfect hatch, 140 chicks from 140 eggs, winning another World's Championship for the Belle City in Successful Farming's 1913 Contest. Mr. Schott writes: "The Belle City is the best incubator made—has given much more satisfaction than high-priced machines."

These two additions to the six world's championships already won, make Belle City now the Eight-Times World's Champion Hatching Outfit.

No other incubator made—not even the highest priced—approaches this amazing record. These eight championships were not "luck." Thousands of other Belle City hatching outfits not entered in contests are scoring 90% to 100% perfect hatches right along. I have the letters from the owners to prove it.

Now is the time to go into the poultry business for all that it is worth. Chickens are bringing almost any price you choose to ask for them. Eggs are high priced everywhere, and still soaring! Why take chances on ordinary incubators when the Belle City offers you the biggest winnings at the lowest price ever made on an incubator. Think how much bigger success you can make with

This is the "Tycos" Cup won by my Belle City Incubator in the World's Championship Contest for best hatches, beating incubators costing two to five times more.



"Tycos" Cup

**You** get an exact duplicate of the 8-Times World's Champion Belle City Hatchers. I guarantee to send you an exact duplicate of prize winning championship Belle City Incubators—a machine capable of doing the same work if my simple instructions are followed.

Back of the machine I send you my Personal Ten Year Money Back Guarantee. You cannot lose, I take all the risk. Money awaits the man who supplies the chickens and eggs this year. The most money awaits the Belle City users. Write me!

## Belle City Now 8-Times World's Champion Hatching Outfit

than with any other. I have just got out a catalog giving hundreds of the most remarkable successes ever made in the poultry business—made with Belle City Hatching Outfits. These hundreds were taken at random from the many thousands on file in my

office. Owners of Belle City Outfits give these amazing records in their own words and sign them. Anybody is welcome to look at the originals. Get in the army of poultry money makers with a Belle City hatching outfit. Do it now.

## A Postal Brings You the Belle City Book

In addition to the records of 90% to 100% hatches, it tells you how the Eight-Times World's Champion Belle City hatching outfit is made—illustrates it in actual colors. Shows that it has everything worth having in and on an incubator, yet it is the lowest priced.

My 140-Egg Eight-Times World's Champion Belle City Incubator has Oakes double disc self-regulator, correct hot water heating system, copper tank and boiler, safety lamp, double walls and double door, with dead air space all over, with roomy nursery and strong egg tray. Of course, the thermometer is

right; I use the "Tycos." I also supply egg-tester, Edw. Miller sun hinge burner, funnel, everything you need, including valuable instruction book on operation, hatching and care of chicks.

The catalogue tells you all about my famous 140-Chick Belle City Brooder—the only double walled, hot water, top heat brooder made, guaranteed to raise largest percentage of chicks every time—a fitting companion to my World's Championship Belle City Incubator.

**We Ship Quick**  
from St. Paul, Kan-  
sas City, Buffalo  
or Racine.

**Freight  
Prepaid**  
East of Rockies  
— Allowed that  
far to points  
beyond.  
10 Year  
Guarantee

Raises  
Biggest  
Percentage  
of Chicks

1,  
2,  
or 3  
Months'  
Home  
Test

## I Go Into the Price Question

Show you why I can send you my Belle City hatching outfit at half or less than half what others cost you! You buy direct from me. You pay no agents' or dealers' profits. I have to make thousands and thousands of my Belle City outfits to supply the demand. 276,000 are now in use. This big volume enables me to cut my profit down lower than anybody else can afford to take—and I prepay the freight to all points East of the Rockies and allow it that far to points beyond.


If you're in a hurry—if you don't want to wait for all this proof—you can order direct from this advertisement. I tell you how my machines are made and give you my money-back guarantee. The editor of this paper, or any bank or express company, will tell you your money is perfectly safe and I'll do just as I say I will. I ask you to send only \$7.55 for my 140-egg 8-time World's Champion Belle City Incubator—the best you can buy at any price, or \$4.85 for the 140-chick Belle City Brooder. You can order both together, if you wish, and save more money at my unheard-of low combination price—send only \$11.50 when both are ordered together.

Don't turn this page without either writing to me or else tearing out this corner as a reminder. Whether you order or not you get all my valuable World's Championship hatching facts absolutely free! But be sure to write me today. Just say, "Send World's Championship Hatching Facts," or order now and save delay. I guarantee to ship machines same day as your order is received. Satisfaction guaranteed. Address Jim Rohan, President

**Belle City Incubator Co., Box 27, Racine, Wis.**





**"Licene" KILLS** 

One application of Licene kills every louse and "nit" on your birds and they will keep free from lice for six months.

Mr. E. B. Thompson, President of the American Poultry Association, says: "Gentlemen:—I have tried LICENE with best results; it is a most excellent preventive of lice and a rapid exterminator. LICENE should have a great sale to poultrymen who must appreciate its value after trying. E. B. THOMPSON, Amenia, N. Y." Enough for 200 birds, postpaid 50 cents. Money refunded if not satisfactory. Circulars free. Agents wanted.

**THE LICENE CO.**  
1500 Pontiac Bldg. Chicago, Ill.

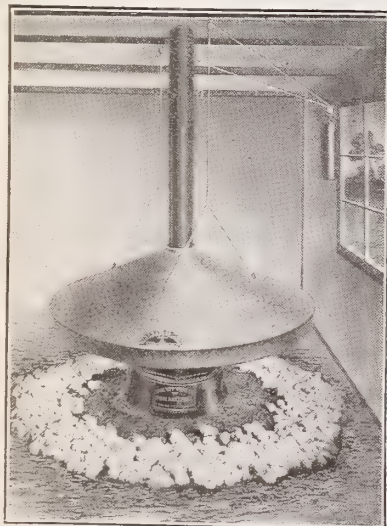


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First prize winners New York, Chicago, St. Louis and elsewhere. Trap-nest bred for egg production. Stock and eggs for hatching, at all times. Catalogue free

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## Ideal Coal Stove Brooder



Send for our Free Illustrated Booklet  
Describing the Ideal Coal Stove Brooder  
with Automatic Regulator

Heats poultry houses and broods large flocks. Superior to oil burners in safety, economy and amount of heat. It is made by a firm which has manufactured stoves for over 60 years. The adjustable Hoover to the Ideal Coal Stove Brooder is regulated with pulleys and cords (note illustration). The height can be adjusted according to the temperature. Economy, plus effectiveness, is found in the Ideal Coal Stove Brooder.

**LIBERTY STOVE CO.,**  
Philadelphia, Pa.

It's a great big free poultry book offer on back inside cover

## SINGLE AND ROSE COMB REDS

Winners at Cleveland, Indianapolis, Detroit, Mansfield, Lansing. Also in customers' hands in all parts of the country. Stock and eggs of the best quality. Write for prices. Mention American Poultry Journal.

**Carl C. Beatty** Successor to Bickford & Beatty Van Wert, Ohio

## THE BEST IN WHITE RUNNERS

We have bred, sold and exhibited more strictly high class White Runners than any one. Can furnish you winners or selected breeders.

**Mrs. U. R. Fishel : Box A : Hope, Indiana**

## Billings' R. I. Reds, Both Combs

I wish to say to the public that I am this season better prepared than ever to furnish winners for the coming fall and winter shows. They have the shape, color, markings and head gear that appeals to the most careful breeder. Also have good breeders at \$3.00 to \$5.00 each. Utility stock \$1.00 each. Satisfaction guaranteed. Mention American Poultry Journal.

**B. M. BILLINGS, Box A, Oberlin, Ohio**

## Evergold Buff Wyandottes

"The Sky Is the Limit of Evergold Quality"

What is an Evergold? It's a good Buff Wyandotte from the world's leading strain whose home is Rocky Run Farms, Box 50, Northfield, Ohio. A beautiful catalog all about Buff Dottes, 20c. Price list free.

**W. G. Marshall, Owner :- Gerald Williams, Manager**

## Queen



**28 Points of Excellence**

"OUT of 120 eggs, my first hatch, I got 110 chicks; and the second hatch, out of 120 eggs I got 119 chicks."

Ida E. Canady, Darlington, Mo.

That's a Queen habit. It has the hatching faculty. I don't claim the Queen is a phenomenal incubator, but it is an honest, dependable hatcher, and comes as near hatching every fertile egg put into it as any incubator at any price.

## Strong, Vigorous Chicks

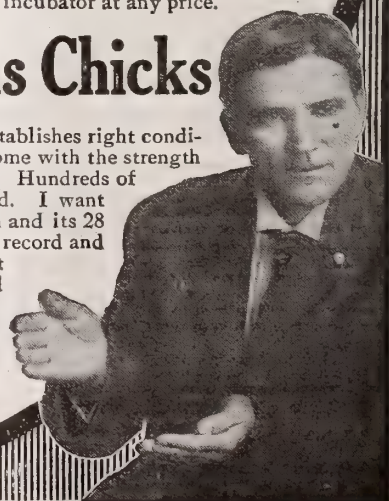
The Queen is completely automatic and establishes right conditions of heat, air and moisture. Chicks come with the strength to live. You can succeed with the Queen. Hundreds of people are equaling Miss Canady's record. I want you to know about the 1914 Model Queen and its 28 Special Features. I want you to know its record and what you may expect from it. Write and let me mail you catalog. Sold on a most liberal plan. Satisfaction or money back.

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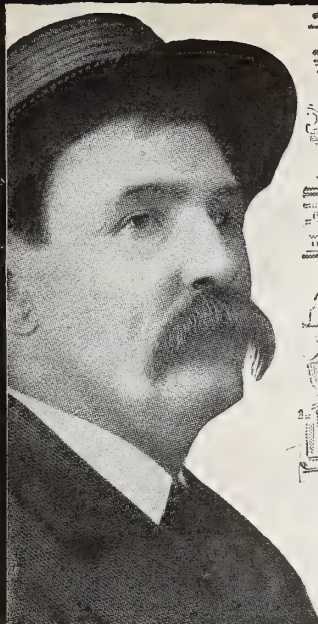
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PRATT FOOD CO., Eastern Dist'rs,  
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M. M. Johnson



H. H. Johnson

"Read It again Pa"

No One Ever Spun a Yarn More Interesting  
than M. M. Johnson's Real Life Story

## "The Ups and Downs of an Inventor"

*It's One of the Famous Chapters in the Old Trusty Catalogue*

HERE is a true story that has been read and re-read in more homes and by more people than many of the most popular books of fiction.

It has entertained and inspired hundreds of thousands of people who turned their efforts toward poultry raising with most gratifying success. M. M. Johnson gives you a simple narrative of his own experience and a few of his friends' and it's told so interestingly that it grips you until you reach the last line. When you finish you feel

as though you have known Johnson as a next door neighbor. You see Johnson on his farm, building his first Old Trusty Incubator. You see its success. Then you see half a million people sending in orders and you see how they have made and are still making big profits with

# The Old Trusty Incubator

It's the *real favorite* wherever poultry profits are made. It's built just as you would build it for yourself if you had the Johnson training and experience and facilities. For instance, the triple wall case is made of California Redwood. This wood costs more than others, but you would not use any other kind if you knew the difference in results. It never checks, rots or shrinks. Then as an additional protection Old Trusty is covered with first grade asbestos, and then covered with galvanized sheet metal. Bear in mind that top, bottom and four sides are made this way. If you were to insist upon it, *no one* could build you a more serviceable case. All operating parts are as simple as can be.

**Price Still Less than \$10—Freight Paid—**

East of Rockies—Or Allowed that Far If You Live Beyond

**20-Year Guarantee—You Succeed or We Trade Back**

Johnson guaranteed his first incubators for ten years. When the ten years expired he guaranteed them another ten. You can have a 20-year guarantee if you want it. Just think of what it means to get a machine that can pay back its cost in a few weeks and then keep on making profits year after year!

You will be under no obligation in writing for Johnson's Book. The Johnsons want everyone to read it. Send a postal today and get this human interest story. You will find it the most pleasant evening's reading ever written on the poultry subject. Then judge for yourself whether you would like to make more poultry profits this year and whether it would be to your interest to take the Old Trusty on trial. Write a postal *now* while you are thinking about it and get the book by return mail. It's free.

**M. M. JOHNSON INCUBATOR COMPANY, Clay Center, Nebr.**



Send  
Postal  
Today



It Now Has Al-  
most One Half  
Million Owners—

**FREE BOOK Tells Their  
Profit-Making Stories.**

**Johnson  
Pays the  
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**HIGHEST SCORE EVER WON****100**

Envelopes, 3½x6½ inches, on extra strong, thick, smooth, slick, white writing face, and 120 Letterheads, 8½x11 inches, heavy, hard, smooth, slick, pure white writing paper, all artistically printed and illustrated with latest new Standard cuts of your breed for only \$1.00. Express charges paid by me. Better printing for the price was never done. No order less than \$1.00 filled. Name your Express office. Cards, tags and egg labels same price as above.

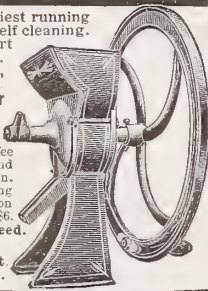
Address, J. R. HUDSON, Hardin Springs, Ky. I have seen samples of Mr. Hudson's printing. It is very nice; he is perfectly honest.—EDITOR

**RANGE-RAISED LAYING-LEGHORNS**

Superior as layers and for exhibition. Yesterlaid S. C. W. Leghorn Pullets lay at 4-12 months. Bought by 17 State Experiment Stations. Stock, hatching eggs, and baby chix supplied in any quantity. Prices very reasonable. YESTERLAID Methods are bringing success to many poultry raisers. Write for details and prices. Yesterlaid Egg Farms Co., Dept. 5, Pacific, Mo.

**\$5 Humphrey's Wonder GRIST MILL**

Simplest, easiest running mill built. Self cleaning. Mill taken entirely apart by loosening four bolts. Grinds corn, oats, barley, rye, etc. Capacity 2 to 7 Bushels per hour. Grinds fine or coarse. Special process chilled iron. Self-sharpening grinding rings. Can grind meal, coffee and spices for table use. Hand wheel 20 in. Power pulley 12 in. x 2 in. ½ to 1 H.P. Shipping weight 55 lbs. Combination hand and power machine \$6. Ask for catalog. Guaranteed. Sold on Free Trial. HUMPHREY, Avon St. Factory, Joliet, Ill.

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A big 224-page Catalog of Millwork and Building Material, containing cuts and net prices of 8,000 money-saving bargains. A handsome Plan Book of Modern Houses, bungalows, summer homes, barns and ready-built garages, showing 60 splendid exterior views with floor plans, priced from \$40 to \$4000. Don't pay dealers' prices—we sell direct, factory to user. You can save money.

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Save their cost in coal bills first season. Make the home comfortable in winter. Everything in lumber, flooring, roofing, doors, windows, mouldings, porchwork, building paper, lawn and home furnishings, hardware, paints, plumbing, heating, fancy hardwood floors, metal ceilings, etc., all at wholesale prices.

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**See Big FREE BOOK Offer on back inside Cover****Rosemont Farm S. C. Brown Leghorns**

The "Queen of Missouri" strain win where quality reigns supreme. Exhibition birds of highest quality bred from my New York, Boston, Kansas City and St. Louis winners. Write for prices.

ELMER V. SHULTZ

Box 500

WEBSTER GROVES, MO.

**Forty S. C. Black Orpingtons**

Hens, \$2 each. Ten young cockerels and five one-year-old cock birds, \$5 each.

**Foster & Johnston, R. R. 7, Fort Wayne, Indiana****The Woodview Poultry Yards**

LONDON, ONTARIO

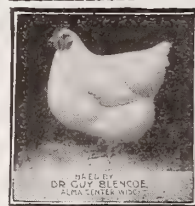
Our winnings the past ten years stand alone and unapproached. We can win for you. Woodview Strain is bred that way.

Barred Plymouth Rocks, Single Comb Reds, White Wyandottes, Partridge Wyandottes

ALL BIRDS SHIPPED ON APPROVAL

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**WHITE ORPINGTONS**

Remarkable males. Superb hens. Grand show birds. Great breeders. March hatched youngsters. All bred from Chicago winners of the past three years.

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**Special Announcement****THE OSBUN POULTRY FARM & HATCHERY CO.**

MANSFIELD, OHIO.

Write for free catalogue giving prices of chicks, ducklings and breeding stock. Book your orders early this year and get the early chicks that will make you the most money. Every egg used in our hatchery this season will come from prize winning stock giving you in that way more for your money than any other plant in the business.

Breeders of White Rocks, White Leghorns and Indian Runner Ducks. Will start their hatchery December 1st and will hatch and sell chicks of the following varieties in addition to those bred on their home farm. Barred Rocks, White and Columbian Wyandottes, White, Buff and Black Orpingtons, Brown and Buff Leghorns, Rose and Single comb Rhode Island Reds, and Light Brahmas.

**R. C. Rhode Island Reds**

500 prizes at Madison Square Garden, Boston, New Haven, Providence and other leading Eastern Shows. Choice exhibition and breeding pullets and cockerels for sale, at reasonable prices. All stock sent on approval. Catalogue free. Mention Am. Poultry Journal.

PAYNE BROS. - BOX J - PORTLAND, CONN.

**Kaufmann & Windheim's Rose Comb R. I. Reds**

Five hundred early hatched cockerels for sale. All bred from our famous New York winners. Utility birds \$2. and \$3. each. Good breeders \$4. and \$5. each. Show birds \$7.50 and up. Never before have we offered such bargains.



FIRST PRIZE COCK

MADISON SQUARE GARDEN 1908-'9 & BOSTON 1909 KAUFMANN & WINDHEIM

ROSE COMB R. I. RED

NUTLEY N. J.

Write today for handsome catalogue

Kaufmann & Windheim, Nutley, New Jersey



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Winter Eggs—  
How To Produce Them

## BULLETINS "CYPHERS COMPANY SERVICE" DEPARTMENT

Dry Feeding by the  
Hopper Method

## BULLETINS "CYPHERS COMPANY SERVICE" DEPARTMENT

Sanitary Conditions  
For Poultry

PUBLISHED BY  
CYPHERS INCUBATOR COMPANY  
BUFFALO, N. Y., U.S.A.

Is your name on the Cyphers Company's mailing list? Have you found the way to secure the *latest*, most *reliable* poultry information?

We want the name and address of every man and woman in America who is *seriously* interested in the poultry industry. We want to get in touch with the businesslike people who are in *earnest* in their desire to make the most of their chances in this money-making field.

## Cyphers Company Free Personal-Letter Service

We want to send you *your choice* of the below listed Cyphers Company Bulletins—issued for the benefit of Cyphers Company customers. Any three of these Bulletins will be sent you absolutely *free on request*. They contain a gold mine of *reliable*, down-to-the-minute poultry information.

- No. 1—Winter Eggs and How to Get Them.
- No. 2—Dry Feeding by the Hopper Method.
- No. 3—Sanitary Conditions for Poultry.
- No. 4—Back-Yard Poultry Keeping.
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- No. 6—Dryness Essential for Poultry Houses.
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- No. 8—Important Don'ts for Beginners to Memorize.

- No. 9—Proper Brooding of Chicks.
- No. 10—Proper Feeding of Chicks.
- No. 11—Handling of Incubator to Get Best Results.
- No. 12—Marketing Eggs at a Profit.
- No. 13—White Diarrhoea of Chicks.
- No. 14—Poultry Raising for Profit on the Farm.
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- No. 18—Line Breeding and Trap Nesting.
- No. 19—Best Markets for Table Poultry.
- No. 20—Where to Start in Poultry Business.
- No. 21—Common Diseases of Fowls and Chicks.
- No. 22—Common Mistakes in Poultry Keeping.
- No. 23—Combining Poultry and Fruit Growing.
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Whatever *poultry problem* is on your mind, whatever advice you desire, let us be your counselors. We will gladly write you a letter on *any subject* pertaining to the poultry industry, giving you the benefit of the combined experience of the several poultry experts in our "Helps Over Hard Places" Department. It matters not whether you are a Cyphers Company customer. This advice or assistance is *gladly* extended. We want *everyone* to know

that the Cyphers Company is in business for the *greater success* of poultry keepers. Its *SUCCESS*, in the long run, depends upon the progress of the industry, upon the success of ITS CUSTOMERS. We want to see *every* chicken raiser avoiding pitfalls—and making money.

That's why we have established this Free Personal-Letter Department. And that also is why we have collected and published our truly great book of

## \$1,000 Prize Reports of Successful Poultry Growers

No poultry book like this has ever before been published. There's not a word of theory in it. Just plain, "brass tacks" day-by-day experiences of successful people in the poultry business from nearly every state in the Union.

In this book you will find reports from people whose problems were *identical with your own*—who succeeded in overcoming just the obstacles that may be in your path. Their experi-

ences—their way of *winning success* will be of direct personal value to you. A free copy of this book will be mailed to any address, domestic or foreign, on receipt of 10 cents in U. S. stamps to cover cost of mailing. The contents alone cost us \$1,000.00 in prize money. Number of pages, 176; size of pages, 7½x10 inches; fully illustrated from photographs and original drawings.

## Get Your Free Copy of "Poultry Foods and Feeding"

52 pages packed tight with the sort of everyday, *usable* information that every poultry keeper greatly needs. Begins with the first day the chick is out of the shell and continues through step by step to complete preparation for market. No matter how successful your hatch, it is the *proper feeding* and rearing that will turn your poultry investment and efforts into *profit-dollars*.

As in *all* Cyphers Company literature, the

"Best Methods of Brooding"—Free Success! Incubation is just half the battle! To produce healthy virile chicks, to rear them in safe surroundings—to market as nearly 100 per cent of your hatch as is possible, you need to know the bedrock brooding facts contained in this valuable free book. There isn't a waste word in all its 52 pages. Just the *practical knowledge* and experience of poultry experts, boiled down—the very essence of the things you need to know in profitable chick raising. Write for your copy of "Best Methods of Brooding" today.

## Get the Cyphers Company 244-Page Catalogue Also

This compendium of Poultry Facts and Inspiration pictures and describes Cyphers Incubators and Brooders—the World's Standard Poultry Equipment. Used on *more* Government Experiment Stations, at *more* State Agricultural Colleges, by *more* leading successful poultry growers than all other makes combined. Get the *FACTS*—that's our *proof*. The Cyphers Company 244-page catalogue (size of pages 7 1/2 x 10 inches) also illustrates and tells about over 100 Standard Poultry Specialties—*everything* you really need in poultry raising. Contains illustrations from photographs taken of actual hatching tests made in every land, proving that Cyphers is the World's Best under all conditions. Please use coupon herewith, and address, *right now*.

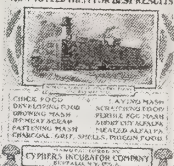
## Cyphers Incubator Co.

Dept. 30 Buffalo, N. Y.

New York, N. Y., 41 Barclay Street. Boston, Mass., 12-14 Canal Street. Chicago, Ill., 329-331 Plymouth Court. Kansas City, Mo., 317-319 Southwest Boulevard. Oakland, Cal., 2127 Broadway. London, Eng., 121-123 Finsbury Pavement.

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CYPHERS READY-MIXED FOODS NOW TOLLED THEM FOR BEST RESULTS



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"CYPHERS COMPANY SERVICE" DEPARTMENT

CYPHERS INCUBATOR COMPANY BUFFALO, N. Y., U.S.A.

## BEST METHODS OF BROODING

A General Treatise on Successful Brooding of Chicks by Artificial Means



CYPHERS INCUBATOR COMPANY

## Sample Results in England

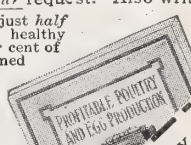
Cyphers, the "Standard Hatcher of the World," In Mid-Winter Continuous Hatching

Read the following June 8, 1913, statement made by Conrad Ford of Hillside, Hollingborne, Kent, England. 3063 chicks from 3483 eggs—surely a mid-winter showing to be proud of:

"I take pleasure in saying that after three seasons' use I am *entirely* satisfied with my Standard Cyphers Incubator. I could desire nothing better as successful hatchers of *fine, strong chicks*. They are easily adjusted and do their work with *ABSOLUTE RELIABILITY* in *EVERY WAY*. From eggs collected in *freezing weather* I have secured hatches of over 90 per cent—308 chicks from 340 eggs. My hatches through the past season have been so *uniformly good* that I think you will be glad to see a record of them, which is as follows:

Date Set	Fertile Eggs	Chicks Hatched
Dec. 8	360	326
" 12	355	310
" 16	345	290
" 21	333	303
" 24	345	296
Jan. 9	350	315
" 9	343	305
" 13	357	312
" 17	350	307
" 20	340	299
Total Fertile Eggs, 3483	Total Chicks, 3063	

"I consider these results *wonderfully good* for the time of year, and am glad to give full credit to the Cyphers Incubator. A lady friend operating a No. 3 size Cyphers under my instruction has just brought off a hatch of 293 chicks—her first attempt.—CONRAD FORD."



CYPHERS INCUBATOR CO., Dept. 30, Buffalo, N. Y.

Also send me 176-page \$1,000.00 Prize Contest Book, for which are enclosed 10c in stamps.

Name \_\_\_\_\_ Address \_\_\_\_\_

Gentlemen—Please mail to address below copies of free printed matter as follows:

CYPHERS INCUBATOR CO., Dept. 30, Buffalo, N. Y.



## S. C. Buff Orpingtons and S. S. Hamburgs

Quality the best. Write your wants.  
H. F. ALBERDING, NO. JUDSON, IND.

## PATENT your Inventions—

My expert, confidential service means real protection. Before applying for a patent, write for my booklet, "How to Save Money on Your Patent."

LESTER L. SARGENT, PATENT ATTORNEY (Reg.)  
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## S. C. Buff Leghorns

22 Years

## Columbian Rocks

9 Years

Prize winners. Pleased customers. Choice stock for sale. Prices right; quality right. Specify your wants.  
J. QUINCY DAWSON, Coshocton, Ohio

We will show this season wonderful by improved

## Blue Orpingtons

No doubt you recall our great winnings at Chicago, New York and Boston last season. The string we have ready for this season, will be an eye opener to all lovers of the Blue variety and will by far surpass any birds shown last season.

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## A MILLION HENS USE

Wellcome's Famous

## "Ideal" Trap Nest

Shows which Hen Laid the Egg

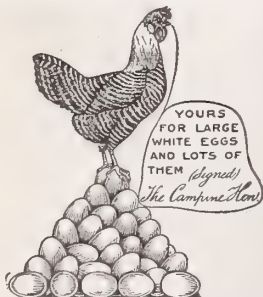
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## Easy Way To Get Eggs

"OCULUM" for years, at our hospital, HAS CURED sick fowls sent us, express collect, for cure which has Roup, White Diarrhoea, Cholera, Canker, Blackhead, Sorehead, Gapes and Leg weakness. We keep the sick and well together, they drink from an old coal hod (never been scalded) and no damage done. We buy, locally sick fowls, cure and sell them. "THE OCULUM WAY" means healthy fowls, prime roosters, few sitting hens, strong chicks and minimum labor. At your dealers, bottle, fifty cents or one dollar. If skeptical, 12 cents (postage) brings either size on trial, pay balance if satisfactory. Testimonials from all parts of the U. S. free. Agents wanted. Address

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My dear fellow Campine admirers:

Have you seen a copy of December, 1913, issue of Reliable Poultry Journal, Quincy, Illinois? If not, procure a copy at once, don't delay—it contains the best yet on Campines, "The living egg machines of large white eggs", Yours truly,

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Box F, Birch Cliff, Ontario, Canada

Wet grounds—no game—until you read the back inside cover—its good

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Crede's Superior Single Comb Anconas—Winners at State Fair and Elgin, some fine dark cockerels for sale.  
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## HOUDANS

Cocks, Cockerels, Hens and Pullets for sale.  
ELGIN, ILLINOIS

## HOBBS' BUFF MINORCAS

The New Creation and the Coming Breed

Look out for the boom. Investigate 'em to-day. Catalogue free.

Also Buff Orpington Ducks

O. K. HOBBS

HICKORY GROVE, KY.

## Wyndmoor Farm White Wyandottes

WINNERS IN THE BEST COMPETITION. SPLENDID LINE OF COCKS, HENS, COCKERELS & PULLETS AT REASONABLE PRICES  
Satisfaction Guaranteed Quotations Made on Request

HARRY W. BRITTON, R. F. D. No. 2, MOORESTOWN, N. J.

## Seward's Golden Rod Buff Orpingtons

Won 1st Prize at the National Egg Laying Contest

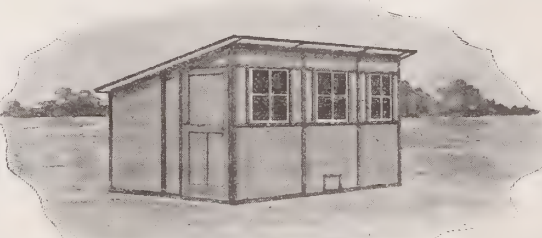
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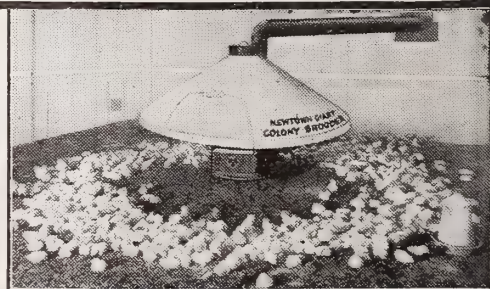
At last the poultry breeders of America can have a "Vermin-Proof Poultry House"—a house that is also rain, storm and fire-proof; neat in design and practical for all poultry-keeping purposes.

This house is made of Plasto-Asphalt Lumber—the new fire-proof material—and we guarantee it superior to lumber or any other building material for poultry house construction. Send for free sample and our free catalogue of poultry houses. Do it to-day.

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Colony Houses are perfectly safe from fire with the Newtown Colony Brooder. 8 cents a day buys sufficient coal for brooding 1,000 to 1,500 chicks in cold weather.



## Newtown Giant Colony Brooder

(Ask your dealer about it)

Fill coal magazine once in 48 hours in the severest weather. In mild weather it requires less frequent attention. Rake ashes once in 24 hours.

Heat automatically regulated by thermostat. Temperature always right. Built in two sizes to accommodate 300 to 1,500 chicks. Heat Deflector need not be raised to coal and shake the fire nor to remove ashes.

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Win wherever shown. Do you want to win at your show? We have the goods. Write us.  
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have won at the world's greatest shows, including Hagerstown, Md., Oklahoma State Fair, Cleveland, Ohio, Buffalo, N. Y., and Youngstown, Ohio. Exhibition and breeding stock sold on approval.

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Six sizes

Our bands are strong, durable and made from aluminum; have smooth edges and lock with double clinches, numbered with large RAISED FIGURES. Prices: 12 for 15c; 25 for 25c; 50 for 40c; 100 for 65c. Always state which kind are wanted and what variety they are for.

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SEE THAT "XX"?

POINTS THE WAY.  
START RIGHT  
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before you set them under hens or put them in the incubator. Whether you buy or sell eggs for hatching discard every one that does not pass the Magic Egg Tester. Don't try to hatch weak eggs—it kills the profits. Regulates moisture in the egg chamber perfectly. Demonstrated at poultry shows everywhere. This is positively the only way to tell which eggs won't hatch before you begin to incubate them at all. Read on:

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Don't let roup wipe out your birds and your profits. Use

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It purifies the system and not only prevents but cures roup, colds, fever, catarrh, diphtheria, etc. To insure perfectly healthy strong, husky layers, add to the feed daily

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Why not own an Ironclad—the only incubator that has for two years in succession won the greatest hatching contest ever held? In the last contest conducted by Missouri Valley Farmer and Nebraska Farm Journal, 2,000 Machines were entered including practically every make, style and price. With 140-egg Ironclad—the same machine we offer with Brooder freight paid, for only \$10, Mrs. C. F. Merrick, Lockney, Texas, hatched 148 chicks from 148 eggs in the last contest.



140  
EGG

IRONCLAD are not covered with cheap tin or other thin metal and painted like some do to cover up poor quality of material.

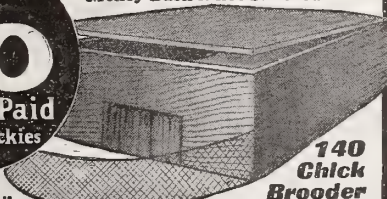
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Both  
for  
**\$10**  
Freight Paid  
East of Rockies

30 Days Free Trial

Money Back if not Satisfied



140  
Chick  
Brooder

## Getting close to back inside cover

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Winners at New York, Boston, Springfield, Hartford, Brockton and other shows. Can furnish young birds for early shows. Write me. Geo. W. Little, 700 Washington St., South Braintree, Mass

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## WYANDOTTES

Mine are annual winners at Boston, winning four Firsts last Jan. Good birds for sale, reasonable. Mention Am. Poultry Journal.

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You can raise large, healthy, quick growing chicks with

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## The Best Outdoor Brooder on Earth

Build them yourself, send 35c (no stamps) for plans.

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EARN



A PAIR,  
TRIO OR  
PEN of  
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When the time comes to provide water for your fowls in zero weather, you cannot afford to take chances on the average water receptacle, that will freeze up just at the critical time. You want the best, most satisfactory, most reliable drinking fountain you can get. Works right under any and all reasonable conditions. Inquire at dealers, or

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J. Carleton Jacks -:- Litchfield, Minnesota

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Some excellent breeding cocks and chks. for sale write for prices. O. Holtzapfel, Box 4, Elida, O.



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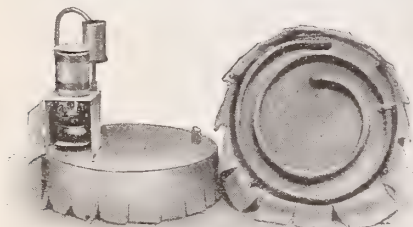
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We were awarded **FIRST PREMIUM** on

## Incubators and Brooders

Also a Special Diploma on the Brooder. Note the lamp on top of hover, copper coil heater, steel coil radiator. No fumes, no danger, a Godsend to the poultryman. Send for circular.

The **VICTOR INCUBATOR CO.**

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Over 43 prizes and specials in the Garden. 4 firsts on Rose and first on Single Comb Brown cock in one year.

The two best strains of Browns bred. They win. They are large and lay up to 242 eggs

to a pen. Large eggs.

Lots of breeding stock as well as show stock of above breeds.

**Rose Comb White Leghorns**—Large white birds, large eggs, 244 eggs to a pullet best record. Winners.

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Chicago  
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—90 per cent of the winnings shown annually. Win every time. Winners ready to ship.

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As good as any in America, bred from my last season's winners. Let me quote prices on large, vigorous breeders to build up your flock, either cocks, hens, cockerels or pullets.

ROSELAND POULTRY FARM

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Vigorous birds, that are sired by my 1st cock Chicago, 1912, and winners at Omaha, Kansas City, State Fair and other quality shows. I have 10 high class trios at \$15 per trio, 10 cockerels at \$5 each, 10 cockerels at \$8 and \$10 each. Write at once for prices on other single birds, pens or pairs.

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Box A -:-

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The homes of the White Feathered, Trapnested, Heavy Laying Strains of Leghorns, Orpingtons, Rocks and Wyandottes. Ducks, Geese, Turkeys and Guineas. We also have Mallard Ducks, English, Silver and Golden Pheasants. Breeders, Hatching Eggs and Baby Chicks for sale.

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S. C. Buff Orpingtons Exclusively

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Excellent Breeding Stock For Sale, \$2 to \$5 Each. Write Us.

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TWO LARGEST STATE FAIRS

Tennessee State Fair—Kentucky State Fair

J. T. Adair's birds win in hot class of exhibitors, as Cook, the Originator, Kenmore Farms and the best the entire South could produce: Tennessee—Ties 1-2-3 cock, 1-2-4 hen, 1 cockerel, 1-3 pullet, 1 pen, Kentucky State—1-2 cock, 1-2-3 hen, 1 cockerel, 1-2 pullet, 2 pen.

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RINGLET STRAIN

Blood lines and quality show in every feather, (this in prominent type). Utility pullets (not scrubs but from best breeding) 3 or more \$2 each. Splendid cockerel bred pullets 3 for \$10. Cockerel bred pullets for breeding dark cockerels \$5 each. Fine cockerel bred cockerels at \$3 and \$4 each. Pullet bred cockerels of very fine quality \$3 to \$8. One very fine (yearling) pullet bred cock \$10. Exhibition cockerels and pullets \$5, \$7.50 \$10 and \$15. Mention American Poultry Journal.

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For Poultry Diseases of All Kinds  
Discovered at Last

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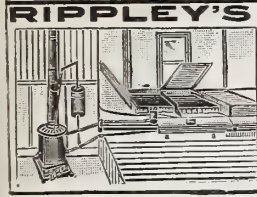
cure Roup, Canker, Blackhead and Cholera. Remember, I have handled and cured more turkeys and chickens than any living individual and have cleaned up more contaminated poultry premises than any one else. My remedies are easily given in food or water, and are endorsed by leading poultry breeders. These remedies are based upon scientific knowledge and daily practical experience. **THEY CURE WHERE OTHERS FAIL.** My Cholera Cure is unexcelled for cholera or white diarrhoea, Roup Remedy cures canker, colds and roup. Poultry Powder prevents disease and keeps poultry in good condition. **Cholera Cure, 50c; Roup Cure, 50c; Poultry Powders, 25c,** by parcels post. Reliable agents and dealers wanted.

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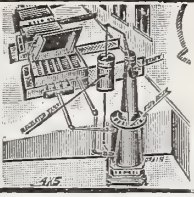


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### Royal Blue Orpingtons and Barred Rocks

Received Cable, Crystal Palace Show  
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"Won first prize and International Medal for the best Rock, also Silver Spoon presented by the Barred Rock Club of England. Also won fourth prize on Blue Orpington hen." You can't keep this strain from winning. Send for circular. Mention American Poultry Journal.

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Have led the way for 20 years. Send for descriptive matter. Hildorfer Black Minorca Farm, Saxonyburg, Butler County, Pennsylvania.

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Improved Champion Strain, bred from imported stock. Chicago winners. Exhibition and utility stock both old and young. Eggs and day old chicks in season.

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I have exhibited birds fit to win any show in the country, bred from my Madison Square Garden Winners. Write me just what you need and I will do my best to fill your wants at a reasonable price.

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50 grand yearling hens for sale. Show birds and No. 1 breeders. Not a poor bird in the lot. Must be sold to make room. Every bird will be a bargain. If you want to improve your flock, now is your chance.

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but send to G. B. Smith & Son and get eggs to hatch from their big birds, that lay them big and a lot of them. Three pens of each,

**Black and White Minorcas**

**G. B. SMITH & SON**  
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## Poultry Band



## The Kind That's Different

Write for free sample of Stevens colored and numbered band for poultry (state your breed of fowls so we can send the correct size). This band is revolutionizing marking. Made of aluminum and celluloid. Made for baby chicks and pigeons. Free catalogue giving full particulars and prices.

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Inside Back Cover tells how to get Year Book Free

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During my nine years as a special breeder never did I have as fine a flock of nearly 1000 early hatched stock as now for sale from my special yards winning at Indianapolis, Springfield, Louisville, etc. Prize winners, color, shape and SWEEPSTAKES, 1912 and 1913. My youngsters had the free range of 120 acres for proper health, size and vigor, winter quarters now 20,000 sq. ft. Have furnished winners in every state in the U. S. and a large part of Canada. 100 tested breeders for sale, pens \$7 and up. All stock sent to please or return and money refunded.

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BOX B

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RALPH WOOLERY, MANAGER : : BOX A, BLOOMINGTON, INDIANA



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are bred from the oldest and greatest laying strain of today. have been carefully selected and trapnested for eggs since 1889. are bred from hens, and males whose dams have laid better than 200 eggs. are big, husky, healthy, well marked, mostly hen hatched and reared at \$3 up. are being used by a surprisingly large number of our foremost breeders. are the strain that won gold and silver cups, Missouri and International laying contest. have the ability to transmit the laying habit on their offspring. are the strain that has utility and fancy combined, as recent winnings prove. we can mate up in trios, pens, etc., for foundation stock. you will find fully described and customers' reports in free cockerel circular.

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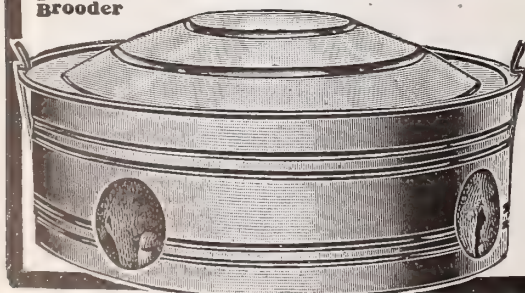
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Incubator alone, \$6.00. Metal Brooder, \$3.00. Both Incubator and Brooder, \$8.50

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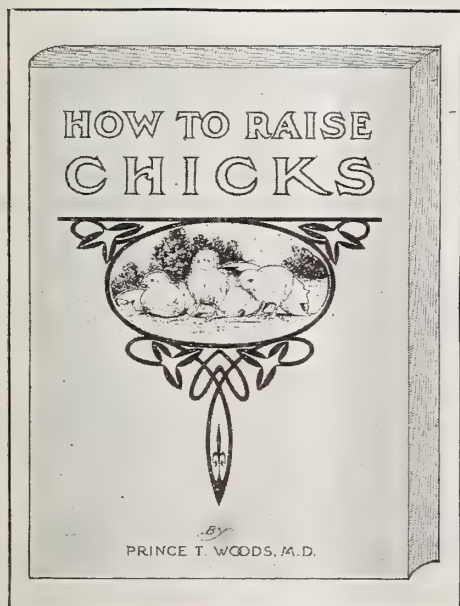
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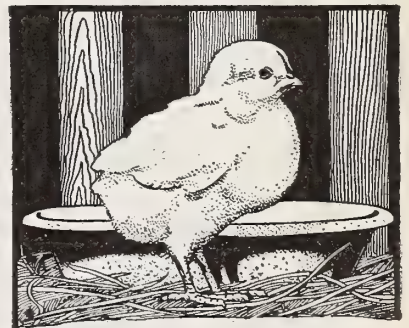


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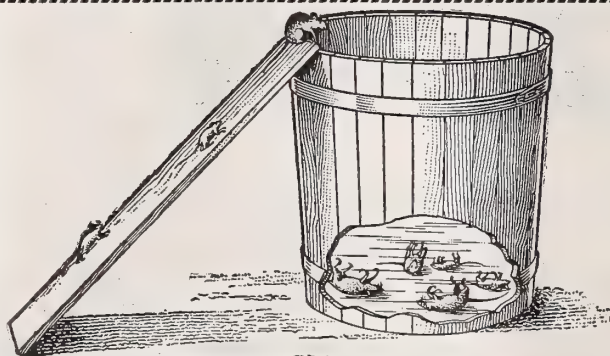
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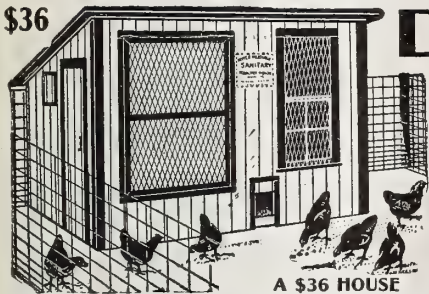
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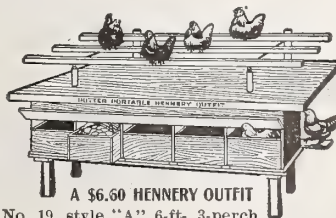
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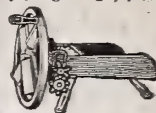
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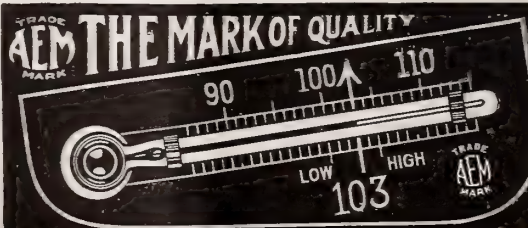
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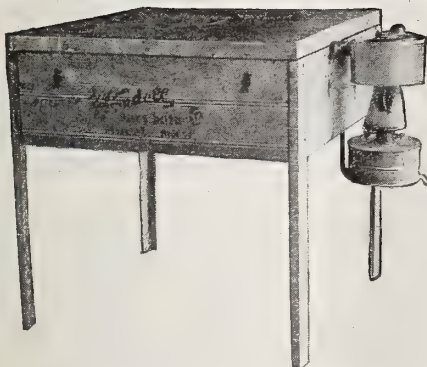
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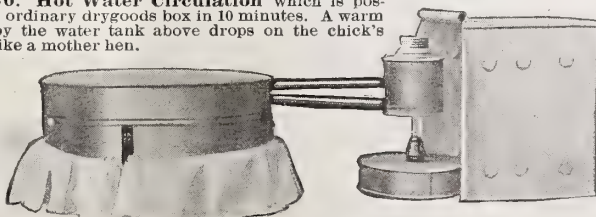
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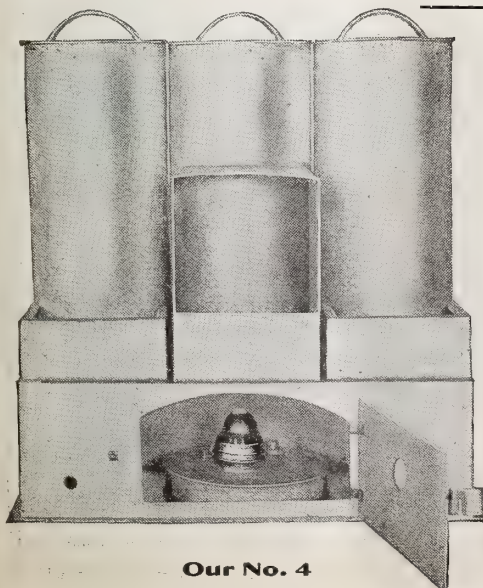
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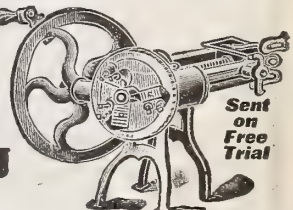


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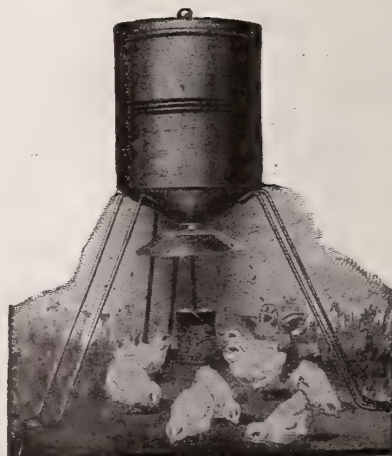
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Here's an odd lot of **Corrugated Iron Roofing** which we were fortunate enough to buy at a price which enables us to sell it for only \$1.25 per square—just about half what it is really worth. Is brand new, perfect, first class in every respect, but light weight. Not galvanized but black steel roofing. Sheets are 22x24 ins. by 14 in. corrugation. Specify Lot No. BB-700. Price is 2 c. b. cars Chicago. Write for our **Special Freight Prepaid Prices** on new galvanized roofing. Our prices lowest ever offered in the roofing business. Galv. roofing \$2.50 per square and up. Anything you want in metal Roofing, Siding or Ceiling.

**62c Per 108 Sq. Ft. Buys Best Rubber Surfaced "Ajax" Roofing**

This is our one-ply "Ajax" brand, guaranteed to wear as long and gives as good service as any rubber surfaced roofing on the market. Put up in rolls of 108 sq. ft., containing 8 to 10 pieces to the roll. Price of 62c per square is f. o. b. Chicago and includes necessary cement and caps to lay. At 75c per square we **Prepay Freight** to any point east of Kansas and Nebraska and north of Ohio river provided order is for at least 3 rolls. Write for prepaid prices to other points. Other grades of ready roofing fully 30% below regular quotations. Send for free samples and roofing catalog.



## Previous Price Records B-U-S-T-E-D WIDE OPEN!

We're always smashing prices—and it sometimes happens that a lucky purchase enables us to smash them a little harder than usual. This is one of those out-of-the-ordinary occasions. There isn't another firm on earth that occupies the unique position in the commercial world that we do. Our enormous buying power represented by our ten million dollars capital makes it possible for us to buy for spot cash, entire stocks at manufacturers' and jobbers' forced sales, receivers' and sheriff's sales, etc., that are beyond the reach of ordinary buyers. Often our purchases enable us to sell the goods for actually less than manufacturing cost—and usually for about half what dealers ask for the same goods. Mind you, this merchandise is brand new, and exactly as represented. The prices here quoted tell their own story of your saving. These are odd lots we're offering and to move them quickly we've cut the price to the limit. It would be nothing short of business suicide for any other firm to offer this quality of merchandise at such ridiculously low prices, but, owing to our method of buying, we can easily afford to do so. Can you really afford to pass up a chance like this? Remember your saving is from one-fourth to one-half.

## No Money Down

You can buy a carload of material from us without paying a cent in advance. All we want to know is that the money will be paid us as soon as the material is received, unloaded and checked up. We certainly would not dare to do this if we furnished anything but strictly first-class material. Our building material is right, and our terms more liberal than that offered by any other concern.

## GUARANTEE

This Company has a Capital Stock of Ten Million Dollars. Its honesty and upright methods have been known for 20 years; we have thousands upon thousands of customers who have yearly taken advantage of our special sales. We say to you, that no matter what you buy from us, if you fail to find the material absolutely satisfactory and according to your requirements and expectations, then we will take back such unsatisfactory material, refund your money and pay the freight charges both ways.

## WIRE AT CUT PRICE

**BARB WIRE**  
Less Than 2c Per Rod

New galvanized, heavy weight barb wire, put up on reels, about 100 lbs. to the reel. Lot 2-BB-26, per 100 lbs. \$2.05. Galvanized barb wire, light weight, first grade, best made, put up exactly 80 rods to reel, 2-point bars. Lot 2-BB-28, per reel, \$1.40.

## WIRE NAILS \$1.38

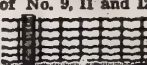
Per Keg, 100,000 kegs, put up 100 lbs. to the keg mixed, all kinds together. Lot 2-BB-33, price per keg \$1.38. 1,000 kegs of ten pennyweight regular new wire nails, 100 lbs. to the keg, while they last, per keg, \$1.25. Write for free Wire and Fence Catalog. Send coupon



## Smooth Galvanized Wire, \$1.25

Per 100 lbs., Suitable for fences, stay wires, grape vines or for any ordinary purpose where wire is used. Is irregular in length—ranges anywhere from 50 to 250 feet. \$1.25 per 100 lbs. for No. 6 gauge. Other sizes in proportion.

**Best Hog Fencing, Per Rod, 15c**  
Another remarkable bargain. High grade, perfect fence made of No. 9, 11 and 12 wire, 28 ins. high, square mesh. Put up in suitable size rolls. Lot 3-BB-31 per rod, 15c. Other heights in proportion. Staples 100 lbs. \$1.75



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This is the white enameled cast iron, one piece, heavy roll rim bathtub; fitted with the latest style nickel plated trimmings, including fuller double both cocks for hot and cold water; nickel connected waste and overflow, and nickel plated supply pipes. It is 5 ft. long and is good enough to answer the needs of any man. Lot 5-BB-101



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**Don't overlook big free poultry book offer on back inside cover**



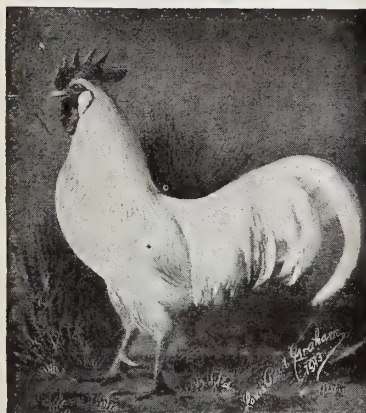
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Male Heading 1st Pen, Boston, 1913

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This announcement isn't put here to make claims—exaggerated statements—or to sell you an incubator and then not stay with you and show you how to make money with it.

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**\$6.75**  
**Only 6 And Up**

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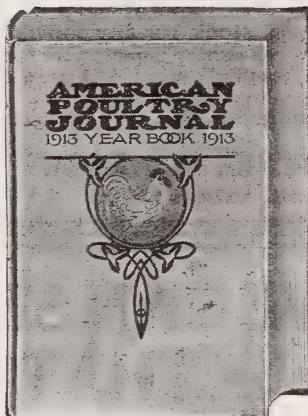


# Poultry Books at a Cut Price

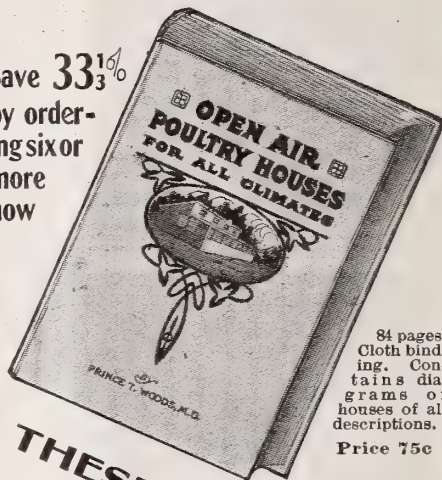
A complete list of poultry books that everybody interested in poultry should have. This list is made up to supply the wants of all poultrymen, and covers about every phase of the industry; in fact, it makes almost a complete poultry library, and by taking them all at a cut price you will be well equipped to make a success of this business. The books tell you how to line breed, feed for egg production, reduce your feed bill, mate to produce exhibition birds, prevent and cure diseases, mix a balanced ration, build poultry houses, poultry appliances, etc. Following illustrations show books.



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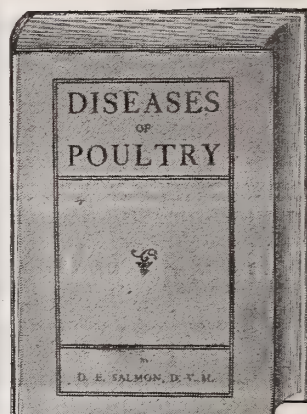
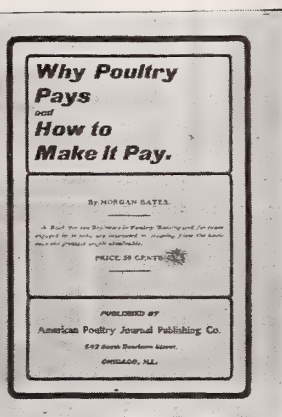
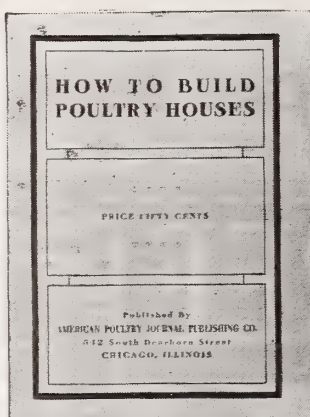
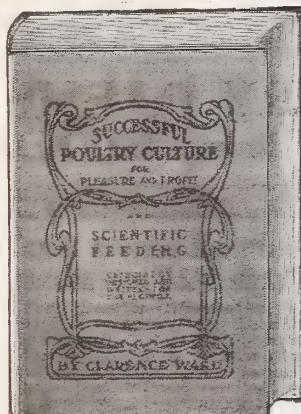


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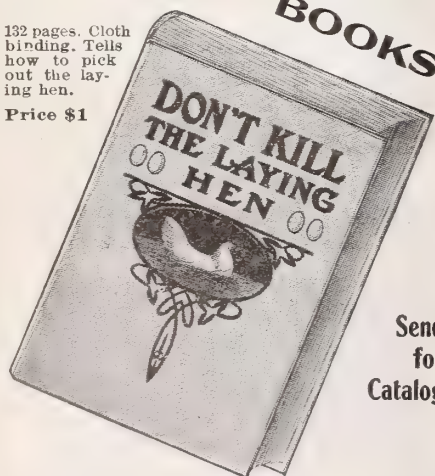
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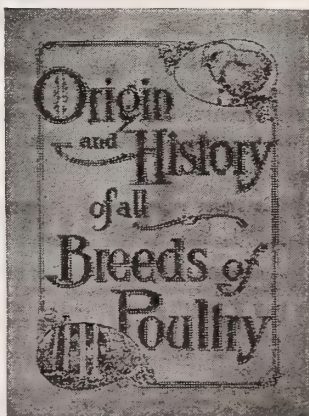
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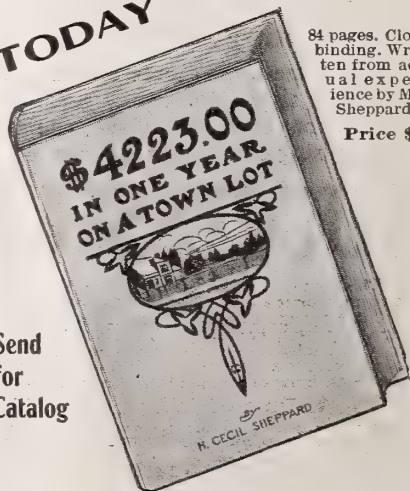


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# SIMPLEX

## PERFECTION FEATHER CHICK HOVER

Fireless  
Rat Proof  
Sanitary

Raise chicks under natural feathers. Insure strong, healthy, vigorous birds.

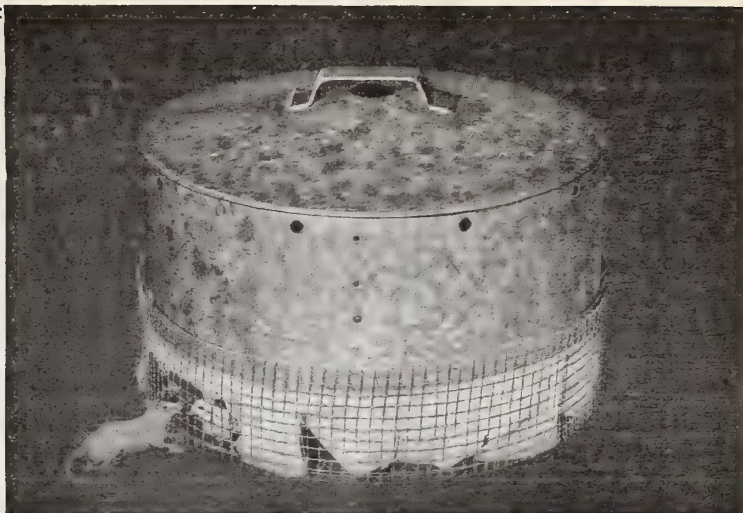
Don't attempt to raise your next hatch of chicks with old fashioned artificial heat brooders or with the aid of oil burning lamps or stoves of any kind. Use nature's means. Nature never intended that artificial heat of any kind should hatch or hover baby chicks. Nature supplied the mother hen with feathers, which together with body heat furnishes the correct temperature and at the same time the correct amount of fresh air to the little chicks so that they thrive and grow strong.

### Nature's Way Is the Safest Our Way Is Nature's Way

That's why our customers all raise a larger percentage of chicks with **Simplex Perfection Feather Chick Hovers** than their neighbors who use other means of hovering chicks. Don't experiment with untried devices or artificial heat brooders any longer if you want to raise as many birds as possible from your hatches next spring. Remember our hovers are made from **natural feathers** which furnish correct ventilation and the chicks warm themselves with their own natural body heat. No stove to go out and let your chicks freeze, or burn high and roast them. No crowding and smothering of chicks, just nature's own way of hovering strong, contented chicks until they have gained enough vitality to stand the climatic conditions without further protection.



Perfection Feather Hovers are also made on wood frames, 50, 100 and 150 chick size; special sizes made to order. Estimates furnished for complete brooder houses.



Brooder complete, showing absolute rat protection



Metal Hover showing the thickness of the natural feathers in which the young chicks thrive and grow healthy

Order your brooders now so as to have them when your hatch comes off. We were obliged to return orders last year as the demand exceeded our supply. Don't wait until you set your eggs. Order now.

*Agents Wanted—send for complete catalogue.*

#### —OUR GUARANTEE—

If these brooders do not meet with your approval, return them at once and get your money back. Your dealer will sell them to you on the same terms. Satisfaction guaranteed.

#### PRICES

Metal Brooder Complete	Wood Frame Hovers
50 chick size ..... \$ 5.00	50 chick size ..... \$ 4.00
100 chick size ..... 7.50	100 chick size ..... 6.00
150 chick size ..... 10.00	150 chick size ..... 8.00

**SIMPLEX SUPPLY HOUSE**  
PONTIAX BUILDING -- CHICAGO, ILLINOIS



# S·C·WHITE LEGHORNS THAT LAY, WEIGH AND WIN



There is more real proof in a teaspoonful of experience than in a demijohn of talk.

If you have ever bred the GROVE strain of SINGLE COMB WHITE LEGHORNS, you know from experience that they represent just what we claim for them.

Upon receipt of 50 cents in stamps or coin, we will send you postpaid our new sixty-four page book on poultry, which explains in detail the method of raising, feeding and conditioning line bred poultry for successful results.

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# WE STAND READY TO PROVE

That, the AJAX IMPROVED OXYGEN VITALIZER will produce a strong, healthy chick from EVERY HATCHABLE EGG placed in the Incubator to which it is attached.

That chicks hatched with the AJAX IMPROVED OXYGEN VITALIZER are immune from WHITE DIARRHOEA.

That the use of the AJAX IMPROVED OXYGEN VITALIZER will POSITIVELY put an end to your LOSSES from "DEAD IN THE SHELL" CHICKS, and from WHITE DIARRHOEA.

This PROOF will be sent you FREE on request, with NO OBLIGATION on your part in any way. We have published the MOST VALUABLE book on ARTIFICIAL INCUBATION ever taken from the Press.

It's yours FREE for the asking. DON'T ASK FOR IT UNLESS you own or operate an Incubator, BECAUSE the supply is LIMITED.

The AJAX IMPROVED OXYGEN VITALIZER can be attached to any Incubator in FIVE minutes. It lasts a lifetime. It costs \$4.00, complete, ready for use, delivered, all charges paid, to any point in the United States. It MORE than PAYS for itself EVERY time it is used and it's sold under a POSITIVE OFFICIALLY SIGNED money back GUARANTEE. These Statements we stand ready to PROVE.

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Write To-Day for Booklet.  
Satisfy Yourself.

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## Your Money Back If It Fails

# Where the Profit Lies

Government statistics tell us that the average yearly yield per hen in this country is only 85 eggs. With an average of 85 eggs per hen, it is self-evident that probably one-half of the hens produce less than that number, and are unprofitable. They consume high-priced feed, and every such hen means an actual cash loss to her owner. There are also many hens and many whole flocks that are producing eggs in abundance. One prominent poultry breeder is breeding 8 varieties with yearly egg records of 281, 255, 240, 236, 235, 232, 232 and 219, respectively, in each of the 8 varieties. By correct methods of breeding he is increasing egg production and the profits from his poultry.

Hundreds of poultrymen all over the land are realizing that the only way to make real progress in

## Improving the Egg Yield

is by trapnesting. There are good layers in every flock—probably 40% are profitable, 60% are not. Increase your profits, by culling out the drones, and breed only from your best layers. This is the only method that will bring results and this can be done only with the aid of the Trap Nest. One of this country's most prominent breeders, John G. Poorman, Tinley Park, Ill., says: "Absolutely no progress can be made unless the

## Individual Records

of the breeding stock are known."

The new **BICKERDIKE TRAP NEST** will do this for you. Mr. Bickerdike has made trapnesting his life work and has just perfected this new Trapnest that is a **Winner**. His life-time experience in trapnesting, testing out all the various styles of trapnests, puts him in a position to know what it takes to constitute a practicable, serviceable trapnest. His production of **Lady Show You**, the World Champion Laying Hen, and his recent invention of his new Trap Nest, both stand as notable contributions to the poultry industry. **Lady Show You** and the new Bickerdike Trap Nest each is in a class by itself. Nothing like the Bickerdike Trap Nest was ever before in reach of the poultryman. It is the acme of Perfection, Simplicity, Efficiency and Low Cost. A child can operate it. No springs, wires, levers, pulleys nor intricate mechanism to get out of order. Nothing to wear out. Nothing in the nest but the hen and her egg.

All who see and use the Bickerdike Trapnest are loud in their praises for it. Breeders, judges, editors everywhere are testifying to its exceptional merits.

## Introductory Offer Extended to Jan. 1

The price of the Bickerdike Trap Nest is \$1.00. In order to introduce it to the readers of A. P. J. we will send one of the new Bickerdike Traps complete, with full directions and individual rights to make and use, all charges prepaid, for only 50c (stamps will do). This offer positively closes Jan. 1, 1914, and no orders will be filled after that date for less than \$1.00. Order now—don't delay—and secure this remarkable trap nest at half price. It's a money maker for you. We guarantee to please you or return your money. Even if already equipped with trap nests, it will pay you to investigate the Bickerdike Trap Nest.

Your order will be filled the same day it reaches us. Address

**Medford Trapnest Co., Dept. A, Medford, Oregon**





The Strain  
That Never Fails  
to Win

The Strain  
That Never Fails  
to Win

# Aldrich White Orpingtons

Honor Roll of Victories Won at Allentown, Sept. 1913:

Grand Champion Futurity Prize on Pullet

1st White Orpington Cock  
1st White Orpington Hen  
1st White Orpington Cockerel  
1st White Orpington Pullet  
1st Pen won by our customer, Mr J. Egan  
2d White Orpington Cock  
2d White Orpington Hen  
2d and 3d White Orpington Cockerel  
2d White Orpington Pullet

ON TEN ENTRIES



\$50 Cup for the Best Bird in the Whole Show

Great Allentown Fair Cup awarded to the exhibitor showing ten birds of the highest merit and the greatest uniformity of type and excellence; this cup is one of the classics of the American poultry world, and the crack prize of the show.

ALL ENTERED WON

This record has never been equalled in a show of this class before, as every bird we entered won, and beat every competitor; we won 49 points against 21 for all our competitors combined.

Every bird sent out this season has won for our customers at the large state fairs and best shows of Canada, and this fact, together with our record of 120 prizes for the past three years at practically all of America's greatest shows, is ample proof that we can supply the best White Orpingtons obtainable, and if you can advertise the Aldrich Strain, your success is assured, as people will know that you have the best. The superior quality of the Aldrich Strain is acknowledged by all as the standard of the world.

Our strain is the result of the highest skill in breeding. Our young birds this season are bred from the largest flock of prize winners to be found in the world, winners at the leading shows for the last two years, all mated upon scientific principles by our superintendent, Mr. Len Rawsley, one of the most expert Orpington breeders of this or any other country, and reared under his supervision upon a system unexcelled in producing vigorous and typical birds for the show room, and breeders to perpetuate the finest types of the variety.

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## Give the Laying Hen a Chance

Let Her Balance Her Own Ration. Use Automatic Feeders  
and Save High Cost of Labor. *By Prince T. Woods, M. D.*



LABOR expense is the big expense of most poultry plants, small and large. Skilled labor comes high and much hired labor, skilled or unskilled, is often unsatisfactory and not infrequently has much to do with the balance getting on the wrong side of the ledger. Where fowls are fed three times a day, twice a day, or even once a day, the labor cost is a considerable item. The more elaborate the ration and the greater the number of feedings necessary, the greater is the cost for labor. It does not appear that

the results obtained warrant this high cost of labor.

A skillful feeder with a small flock may get exceptional results in egg production from "bred-to-lay" stock. Where the poultryman has only a small amount of time he can spare for his birds, even with small town lot flocks, labor saving counts. With labor saving equipment it is possible for him to be away at other work during the hours of daylight and still be able to keep fowls with profit. On the large plant labor saving equipment and labor saving methods of feeding permit using low cost unskilled labor, more fowls well cared for by one man, and the actual loss in egg production for the flock as a whole will be so small as to be of little or no importance—and there is not necessarily any loss in production. Often results will be better than from hand feeding.

For a long time we have recommended hopper feeding or box feeding to save labor. The results of this old-fashioned method have been good, but in some cases there has been more or less grain waste. Not as much grain waste as with hand feeding into deep litter, but much more waste than there should be.

A dozen or more years ago we recommended giving the fowl a chance to balance her own ration. We are more than ever in favor of that plan today. Give the laying hen a chance. No ready-mixed food gives the fowls the same chance that they have when opportunity is afforded the fowls to select what they want for themselves. Straight grains are much more liable to be good and sound, are more easily inspected by the buyer, than are commercial mixtures. It is better to give the hen a chance to select her own food than to make her depend entirely upon the judgment of her owner, or care taker, the chances are all in favor of the hen knowing best what is best for her. A normal appetite of a normal or healthy body is the best feeding guide that has ever been produced to date.

Some poultry keepers have raised the objection that such a plan of feeding would require a big array of feeding boxes if one is to be allowed for each grain. The objection is not a valid one. The saving in labor will more than offset

the cost of the feeding equipment the first season. The results in improvement of health and vigor and in excellent egg yield are sufficient to encourage the installation of equipment. A great variety of grains is not necessary.

Corn, oats and wheat are the staple feeding grains in this country. Good sound corn is the best and most widely used grain of them all for poultry feeding. When corn is sound and good it is usually the best liked grain by the fowls and it is good for layers or breeders. Poor or spoiled corn is the worst food that can be given to fowls or chickens and under some conditions may be poisonous. It pays to have corn sound and sweet. Well cured old corn is best. Poor corn is particularly liable to be introduced into meal, cracked-corn and ready-mixtures. You can't afford to buy or use poor or spoiled corn.

Oats are excellent food for poultry of all ages and balance well with corn. Sometimes, in cases where but seldom fed, it takes a little time for fowls to become accustomed to oats and to eat them readily, but this is true of any food to which the flock has not been accustomed. Oats should be heavy, sound and well filled—clipped oats preferred. Light oats are wasted because the unfilled hulls are not eaten and the fowls lose appetite for the oats. Sprouted oats make a most desirable addition to the ration.

Wheat is a good feeding grain, when good, but has been very much over-rated as to value. A good deal of the feeding wheat which is sold to poultrymen is low in quality and not in the best feeding condition. We always aim to use the best feeding wheat obtainable, but it has been our experience that heavy feeding with wheat tends to "stall" fowls much more quickly than either corn or oats. We have seen a good many cases of sour crop, puffed crop and other forms of indigestion in both young chicks and adult fowls that we had every reason to believe resulted from feeding too much wheat. If the wheat is "scorched" or "burnt," a quality very often sold to poultrymen it is much more liable to cause digestive disturbance, but even when "milling quality" wheat is fed too heavily, and where a sufficient supply of other grains is not given with it, trouble occurs.

Food experts have never yet been able to produce a balanced ration suitable for the continued use of a number of human beings under like conditions. The so-called "scientific rations" don't prove up well in practical use. The food experts can't agree and doctors seldom agree on matters of diet. The old saying that "what is one man's meat is another's bane," holds true today. One man's food, that agrees with him perfectly, may be poison to another. It pays to give a normal healthy appetite a chance. Eat what you want when you want it and no more than you want.

The same thing holds true in poultry feeding. We know of no one who has yet produced a ready-mixed balanced





Fig. 6. Front view of the long growing house on soft roaster plant of Fessenden & Allen. This picture was taken the last of October and shows a fine lot of Light Brahma chickens destined to sell at 25 to 30 cents a pound alive next spring and to weigh from eight to ten pounds each. (Photo by George K. Gillette.)

ration that will yield any better, or in many cases as good, results as where the fowls do their own selecting and mixing. Give the laying hen a chance.

It costs money to prepare food mixtures for poultry feeding and not infrequently it is money wasted. We have fed various mixtures and considered them favorably. For a long time we have tried to mix the grains according to the wants of the birds as expressed by appetites. The results were good in all but one thing, labor excepted. With mixtures there was always considerable food wasted thrown out by the fowls in their endeavor to get the kind of grain which suited them best.

Taking the cost of mixing, or increased cost of ready-mixed grains, and the waste, into consideration, we find that it seems best to let the fowls do their own mixing. In the end it is the cheapest way to feed and the results are excellent in health, vigor and productivity. We have tested the plan of feeding, outlined herein, very thoroughly and we had a friend of ours, George K. Gillette, give it a thorough test with a flock of 125 Reds which he had from our farm. We never saw any fowls show up better in constitutional vigor, in the production of large sized eggs in abundance and eggs that hatched fine strong chicks that live and grow. Mr. Gillette invented an automatic feeder and wished us to try out the experimental type and make suggestions for improvement. We had a large number of them in use during the season of 1912 and made numerous

suggestions for improvements which were adopted. We are using the improved automatic feeders in our poultry keeping.

There are many good automatic feeders on the market and these have become a valuable factor in labor saving and food saving in modern poultry keep. We believe that the best way to give the laying hen a chance to balance her own ration is to use a sufficient number of good modern automatic feeders and swinging food hoppers. Figure 1, shows our plan for giving the hen a chance. The diagram shows an interior view of the south front of the high or monitor section of the Wood's open-front house and the method of equipping the house with automatic feeders and hoppers. The feeders and hoppers all swing by two wires each from the plate which supports the rafters of the low front section of the house. In this position they can be easily and quickly filled or adjusted. The house is the 20x20 ft. building (see book *Open-Air Poultry Houses for All Climates*) and accommodates from 100 to 150 layers. Four automatic feeders and two hoppers will feed this flock comfortably.

In our early tests we used four 16 quart feeders for 125 birds and found it necessary to fill up the feeders twice a week. With feeders, 32 quart size, the filling usually comes once a week. Sometimes a house will have a special run on one sort of grain and will require filling that particular feeder between regular feeding days but this does not hap-



Fig. 1. Diagram showing interior view of Woods' open-air poultry house, high or monitor section, with arrangement of automatic feeders and food hoppers, swung by wires from the plate which supports the rafters of the low front section.

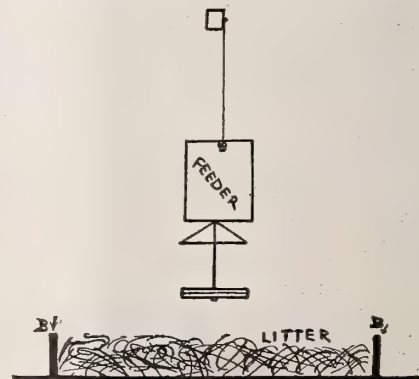


Fig. 2. Method of using litter beneath an automatic feeder. "B. B." are boards extending width of coop about five or six feet apart and used to keep most of the litter where it is wanted beneath the feeders and leave balance of house practically free.





Fig. 7. Part of a flock of 5,000 winter chickens destined to become famous "South Shore soft roasters" on the plant of Fessenden & Allen. These chicks are all fed with automatic feeders and hoppers and about 200 of these modern appliances are used on this plant. (Photo by George K. Gillette.)

pen very often. Filling up the feeders once or twice a week takes very little time and labor as compared with hand feeding and the filling does not have to be done by daylight if you want to get away. The fowls feed continuously as they wish and they feed naturally, a few grains at a time, exercising all day long. The saving in labor will pay for the feeding equipment in a short time.

Referring to Figure 1 it will be noted that there is one feeder for wheat, another for oats, one for corn and another for corn or any variety grain or special variety mixture the proprietor may desire to use. We settled down to two for corn, one for oats and one for wheat. One swinging hopper contains the best beef scrap and the other hopper contains dry mash. We have tried a wide variety of mash mixtures and are still open to conviction as to which is best. In letting the hen do her own selecting we believe that all the dry mash needed for good results is a hopper full of "mixed feed" which is about equal parts bran and middlings. In winter 15 per cent cut clover or alfalfa and 20 per cent gluten feed may be added if desired, but we have not noted that it makes any material change in the

egg yield though the fowls eat the mash a little more readily. Mr. Gillette believed that where all of the mash was always hopper fed dry there was more tendency to soft yellow droppings and that the fowls consumed a much greater quantity of green food and he stated that the trouble ceased on occasionally feeding scalded "mixed feed." We have not been troubled with soft yellow droppings as a result of dry mash feeding, and we want the fowls to eat all the green food we can get for them. They will consume astonishing amounts of fresh raw greens.

Unless there is a running stream or a drip system for watering, of course water must be supplied daily and the usual allowance of grit, crushed oyster shells and charcoal should be furnished. A good way to feed raw vegetable food like cabbages, beets, etc., is to make a large pocket of 2 inch mesh poultry wire on the side of the pen and keep it well filled.

It is essential that whoever collects the eggs shall examine the feeders each night. The modern up-to-date automatic feeder almost never clogs and seldom needs adjustment, but it should be looked at just the same. A glance and a tap

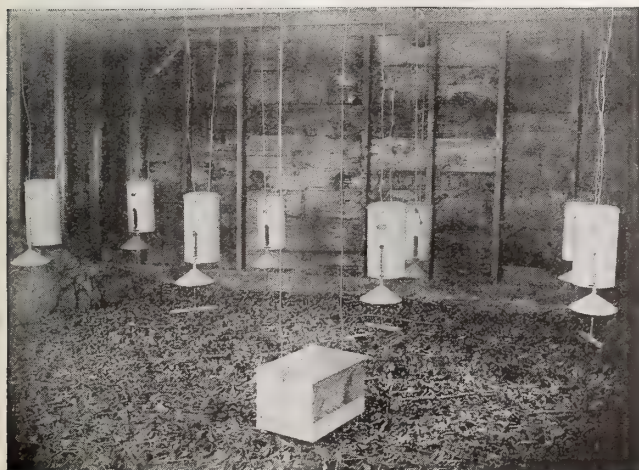


Fig. 3. Battery of automatic feeders and hoppers used for feeding 200 layers on plant of George K. Gillette, Pembroke, Mass. There are eight automatics and two hoppers. The second hopper was too near the camera to get into the picture.

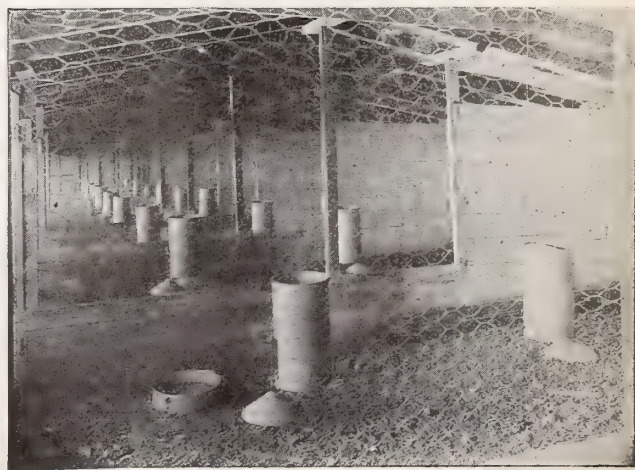


Fig. 5. Interior view of the long growing house on the soft roaster plant of Fessenden & Allen. This plant grows about 5,000 winter chickens or soft roasters annually and all feeding is done with automatic feeders and hoppers.



of the hand will show if it is working all right and the quantity of food contained is quickly observed. Keep feeders and hoppers well filled and do not allow them to get empty. Let the fowls eat the most of the grain they like best and keep the feeders well supplied. Don't compel the

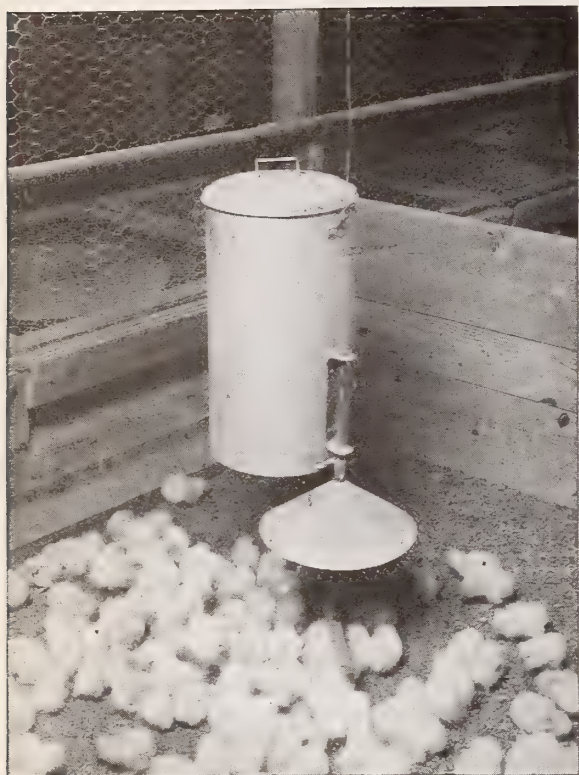


Fig. 4. Baby chicks using an automatic feeder in brooder house of Fessenden & Allen Poultry Farm, Rockland, Mass. All feeding is done with automatics, the chicks grow and thrive and are always well fed.

fowls to eat something they have no appetite for or to go hungry. After a few days' use of feeders the attendant will learn a lot about the preferences of the flock and how they do their own balancing.

We have tried feeders with wire screen bait bars and with bait bars of two strips of soft wood bolted together and we much prefer the wooden bait bar, it is easier for the fowl to use and never injures the beak or wattles. It is surprising how quickly chicks and fowls learn to use automatics. Place a piece of tough meat between the wooden strips of bait bar and tighten up the nut which holds them together. This will get the feeders into action quickly and by the time the meat is gone the lesson is well learned. You can then wedge a kernel of corn in the cleft of the bait bar, at each end if you wish, and it will serve as long as any bait is needed in the bar. Little chicks three days' old quickly learn to get their chick food out of an automatic and will ride around on the bait bar like a youngster taking to the "flying horses."

Figure 2 is a suggestion for the winter use of straw litter with automatics. It is not necessary to have straw litter all over the house. B. B. are retaining boards for litter placed about five or six feet apart, eight or ten inches high and extending the width of the pen both in front and rear of the feeders. This keeps most of the litter confined beneath the feeders where it is wanted. In hanging the feeders for adult fowls we like to have the bait bar about fifteen inches clear of the floor. When deep litter is used get the bar a little higher up to allow for depth of the litter. For small chicks the bait bar should be at about head level of the chicks.

With this article we show illustrations from photographs taken on Mr. Gillette's farm where 200 utility layers are handled with one battery of eight feeders and two swinging hoppers for mash and beef scrap. Illustrations are also

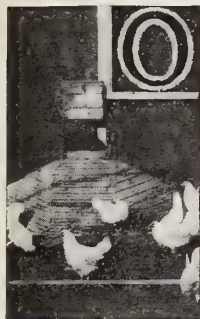
shown of the soft roaster specialty plant of L. E. Fessenden and A. H. Allen, known as the "F. & A." Poultry Farm, Rockland, Mass., where some 200 automatic feeders are used for feeding market chickens from the shell to the killing room. This farm produces first quality, large, soft roasting chickens and the output for the coming season will probably top five thousand soft roasters, mostly Brahmas. Two men do the feeding and caring for these growing winter chickens and the use of automatic feeders permits them to do the work well and have time for other necessary work. The proprietors also make a specialty of caponizing, charging \$4 per hundred chicks for operating and are building up so good a trade in this art that they not only go to other plants to operate but also have customers bring cockerels to the farm to be caponized. They are also finding time to build up a trade in day old chicks. Messrs. Fessenden and Allen are automatic feeder enthusiasts and can't say enough in praise of these labor saving devices. In early fall they use the feeders out of doors and the brooder houses and growing houses are all equipped with them. It certainly is a wonderfully fine sight to see sturdy chicks of all ages busily working away at their feeders, feeding and exercising at the same time and always well fed, and now and then a sturdy little fellow with a running jump lands on the bait bar and has a ride around while his fellows scratch in the litter for the chick food he scatters down by his vigorous act. From the number of farms which we have visited and found automatic feeders in successful and satisfactory use it speaks well for the worth of labor saving equipment and the progress of poultrymen. We hope that they will use more feeders and try giving both hens and chicks a better chance.





# Law of Heredity and Egg Production

It Is to Variation in the Egg-Laying Function That Poultry Breeders Must Look for Increasing Their Egg Supply. *By James B. Morman*



ONE of the most important economic purposes in poultry keeping is the production of eggs. The demand for fresh eggs is constantly increasing as various kinds of meat continue to rise in price; and, with the stricter enforcement of state and national pure-food laws which seems bound to come in the future, this demand for fresh eggs will grow more and more intense, especially during the winter months. There can be no question, therefore, that a great future lies ahead of the poultry industry from the point of view of egg production for food purposes alone, to say nothing of its importance from the standpoints of the production of high-class meat, fancy and pure-bred fowls, and eggs for incubation purposes.

But the phase of poultry keeping which has the most general economic ramifications is that of egg production, since this touches to a greater or less extent every home in the land. Hence, poultry breeding for egg production has become the dominant feature of the work with fowls which has been going on for many years at the experiment stations both in this country and abroad. Of these stations, no work has been more elaborate than that of the Maine Experiment Station. For 10 years investigations were conducted with Barred Plymouth Rocks with a view to increasing egg production. The underlying idea which dominated these earlier experiments was that by breeding consistently year after year from the highest layers, regardless of all other considerations, there must be brought about a definite and steady improvement or increase in the average annual egg production per bird. The practice in breeding was to use on the female side only hens which laid between November 1 of the year in which they were hatched and November 1 of the following year 150 or more eggs, while on the male side the practice was to use in breeding only the sons of mothers whose productions of eggs in the first year was 200 eggs or more. At the same time, the average annual production of the whole flock was about 125 eggs per fowl.

It was expected that the average flock production of eggs would be increased by this stringent method of selection in breeding. But, according to Bulletin 192 of the Maine Station, "the net outcome of the experiment was to show that there was no steady or fixed improvement in average flock production after the long period of selection covering 9 or 10 years. There was no permanently cumulative effect of the eight generations of selected ancestry. So far from there having been an increase, there was actually a decline in mean egg production concurrent with the selection, taking the period as a whole."

The upshot of this matter was that Karl Pearson reached the conclusion that the experiments of the Maine Station in poultry breeding show that fecundity in fowls is not inherited, and, as a consequence, he would relegate the problem of inheritance of egg-laying power in fowls to oblivion.

## Inherited Tendencies to Reversion.

Let us not, however, be too hasty in this matter. To some of us who are trying to learn something of the laws of biology while also being engaged in practical poultry breeding for egg production, this conclusion, if accepted, would ring as a deathknell to all our hopes and aspirations. That the laws governing the development of animals are elusive must plainly be recognized; and that traits of individual characters are not steady and permanently established must also be recognized. Speaking broadly, the dominant factor in biology seems to be that of variation which, in itself, renders more or less haphazard the results of breeding. If this were not the case, how easy it would be in poultry breeding, after fowls had been produced of established color, shape, vigor, and perfection according to some recognized standard,

to keep on producing standard fowls by simply mating those conforming to the standard. But every breeder knows that he mates as best he can and awaits results in uncertainty. This is due to the inherited tendency to reversion which modifies the results of conscious selection.

Probably every breeder has had some instances of reversion come to his notice in his experience. With poultry, reversion to type is quite noticeable with the first laying of pullets. The domestic fowl is the descendant of the wild jungle fowls, the natural egg-laying characteristic of which is simply to continue the species. To this end, only sufficient eggs are produced which the jungle fowl can cover in hatching. If there had been no development of this natural egg-laying tendency by the process of selection, domesticated flocks of fowls would be a poor source of remuneration from egg production, and the poultryman would have to keep as large pens for his broody hens as he would for his laying hens. But selection in the process of domestication developed the natural egg-laying function abnormally with the result that we have egg production in fowls vastly in excess of the ability of any fowl to cover them in hatching.

With pullets, however, I have frequently observed a tendency to revert in laying to the natural number of eggs—say from 15 to 17—for the continuance of the species, when they will get broody and desire to hatch even as birds do. Whether, if this tendency to hatch were early encouraged, there would be no prolonged laying of eggs as now invariably occurs with a good laying strain of fowls, I am not able to say. But the reversion to a normal nest-full of eggs is of frequent occurrence with pullets, and it indicates clearly that the production of any greater number of eggs than a broody hen can normally cover is a superadded functional activity as a result of natural and artificial selection. In connection with egg-laying is the natural inclination to steal a nest, which is so common in the domesticated fowl, and to this could be added without much violation of natural law the very noticeable tendency for young pullets to want to roost in trees or on the highest perches to escape anticipated enemies. These are tendencies which point back to antecedent characters which centuries of life under domestication have had a strong tendency to obliterate, but which, nevertheless, crop out occasionally before the notice of the observant breeder.

There are two other very clearly-defined cases of reversion which have occurred in my own experience. As is well known, the White Plymouth Rock fowl is a sport from the Barred Plymouth Rock. The down of the white chickens when first hatched is frequently barred with darker-colored down giving them a smutty appearance and which persists until the chickens feather out. But as a general rule, the chickens which thus appear off-color will generally feather to the purest white. But I record an instance when a fine specimen of Barred Rock fowl was raised to maturity as an offspring from my White Plymouth Rocks—a clear case of reversion to a type of the ancestral strain of fowls.

But there is a still more striking instance of reversion. The Black Java entered originally into the ancestry of the Dominick and through this breed to the Barred Plymouth Rocks. In two instances in one breeding season, black chickens were hatched and raised from my White Plymouth Rocks which, on reaching maturity, closely resembled the Black Java fowls even if they were not up to standard.

These illustrations are sufficient to show the practical impossibility of obliterating by selection the biological tendencies to reversion, and they also serve to indicate what variations are likely to occur in animal breeding. And while there is no apparent fixity of type in color, strain, or egg production as a result of successive breeding, the very element of variability is the prospective source of improvement. This is especially true with reference to increasing egg production in flocks. For variation indicates a flexibility of function. If low-laying capacity in fowls became fixed,



attempts to increase egg production by selection would be time wasted. It is to variation in egg-laying function, therefore, that poultry breeders must look for increasing their egg supply. As this is a biological characteristic, there



**FIRST PRIZE COCK AND CHAMPIONSHIP MALE**  
CHICAGO DEC. 1912.  
ALDRICH POULTRY FARM COLUMBUS O.

is a prospect for increasing the flock production of eggs per fowl up to the biological limit, whatever that may be. That the individual fowl is capable of high egg production has been shown many times by individual breeders, by the Maine Experiment Station, and by the Ontario Agricultural College in Canada. The Maine Station produced many hens which laid from 200 to 240 eggs each in their pullet year, but the Ontario Agricultural College has recently announced a new high egg record. Between October 1, 1910, and October 1, 1911, the records of 6 Barred Plymouth Rock fowls were 243, 252, 256, 256, 268, and 282 eggs, respectively. These high records, compared with the average egg production per fowl in the United States of 75 or 80 eggs, show the wide range of variation in egg-producing power of individual hens.

#### The Transmission of Functional Tendencies.

Since variation rather than fixity seems to be the dominant characteristic of organisms, efforts to increase egg production should take this into consideration. On the theory of variation, the mating of high egg-producing fowls may result in offsprings the egg-producing power of which may range anywhere from 0 to nearly 300 eggs in a year, and the same would hold true in the mating of low egg-producing fowls. An instance of this nature has recently been reported by T. E. Quisenberry, who was the director in charge of the Missouri National Egg-Laying Contest. In commenting on the fact that the Plymouth Rock pens had not come up to expectations in spite of the fact that "the highest known individual egg record made to date was made by a Barred Plymouth Rock pullet at Guelph, Canada, which made a record of 282 eggs in one year," he makes this significant statement:

"The totals and averages for the Plymouth Rocks have been affected materially because of the fact that there are five deadheads among them—five hens that have not laid

an egg to date." And these fowls were entered in the contest by their owners in expectation of making high egg records because of the egg-laying capacity of their antecedents.

While this has a tendency to prove that there is more in the strain than there is in the breed so far as inheritance is concerned, it also adds another link to the chain of evidence that variation dominates in biology. But, fortunately, variation may sweep upwards or downwards. There is no question that domestication and inheritance have resulted in bringing about improvement in fowls as to many characteristics, so that there must exist to some extent the power of transmitting functional tendencies by inheritance. It passes with the transmission of life, but to what extent is neither determinable nor controllable. At the same time, where variation is a recognized factor in poultry breeding as elsewhere in the organic world, it is to this factor that improvement in egg production by poultry flocks will be brought about.

Improvement by the physical transplantation of ovaries has resulted negatively. Six experiments are reported by C. B. Davenport in removing ovaries of hens and transplanting them to dissimilar hens, but he found no evidence that the engrafted ovaries ever became functionally active. On the other hand, it does appear that the ovaries which had been partly or wholly removed regenerated and produced eggs. Even had these experiments resulted favorably, their value to practical poultry breeders would be of doubtful importance. Such experiments may serve a biological purpose, but they are of little or no economic value. If functional activities are transmissible in fowls, the poultry breeder can hope for success quicker and better along the line of selection. He may fail even here because of the tendency to variation, but it is the easiest and best method at his command.

A test of selection was followed out by the writer with a view of determining whether functional activity in egg pro-



**FIRST PEN R.C.R. RED COCKEREL**  
AT BOSTON, 1912  
BRED, OWNED & EXHIBITED BY  
PAYNE BROS. PORTLAND, CONN.

duction was transmitted by inheritance. The experiment consisted in determining the egg-laying powers of pullets descended from fowls bred for egg production as compared with pullets from hens in which no particular attention had been paid to increased egg production, and was, in reality, a



side issue from an effort to determine the normal period when the Plymouth Rock breed of fowls begins to lay.

If every fowl in a flock possessed the power of early and prolific laying during the most active period of her life, the maximum of egg production would be practically reached. The lowering of either factor means a reduction in egg yield, though the transformation of early laying into prolonged laying in the descendants may result in increased egg production. Few flocks, however, are at all uniform in either early or prolific laying by the individual fowls, so there is always opportunity for testing the effects of some known factor on egg production where careful records are kept from year to year.

The effects of the introduction of new blood had been to bring the second generation of early layers back to the normal period of commencing to lay—that is, to about 7½ months from the time of being hatched. Then arose the question as to the direction the increased vigor would take which is a generally recognized biological result of the introduction of new blood.

But while the direction of increased vitality is at present beyond the breeder's control, it is reasonable to believe that the increased vitality which comes in with the new strain will follow the lines of least resistance, both biologically and physiologically, where fowls have been bred for early laying and this tendency has been checked. As laying relates to the physiological development of the ovaries and their biological functional activities, the lines of least resistance in this case would be with these organs. With decrease in the tendency to early laying, therefore, it would be reasonable to expect an increase in prolific laying as a result of the introduction of new blood. This would account for the transmission of inherited functional tendencies, from which basis the increase in flock production of eggs is to be expected. This theory not only accounts for the high production of eggs by the Maine Station poultry flock, but also explains the exceedingly high records of individual fowls which are occasionally reported.

#### A Practical Test of Inheritance.

During February and March, 1912, comparative egg records of pullets bred for egg production and of pullets not so bred were kept in detail. For several years I had been selecting and breeding with a view to increased flock production, and a pen of 16 such pullets was tested against an equal number of pullets of an entirely unrelated strain in which, to the writer's knowledge, no efforts had been made along this line. The feeding, care, and management of the pullets were alike in every respect, and the two months of February and March were selected because at that time the laying power of early-hatched pullets are usually at their highest.

The number of eggs laid by 16 pullets of my strain was 654, or an average of 40⅞ eggs per pullet in two months; while the number of eggs laid by the unrelated pullets, was 526, or an average of 32⅞ eggs per pullet in two months. This gave a difference of exactly 4 eggs per pullet each month in favor of the descendants of hens bred for egg production.

To what shall we attribute this increase? To the writer no other explanation exists except the principle of inheritance; and, where the average flock production of eggs is low, this explanation furnishes a basis for flock improvement in egg production. The limit of this improvement is established in the laws of biology, and whether or not it is possible for science to modify these laws by constant breeding for egg production generation after generation is a problem of the future. This much seems certain, however, that by seizing upon an advantage like early laying which arises as a result of the principle of variation in animal breeding and is due to natural selection, science may co-operate with nature by artificial selection and thereby increase its functional activity which is manifested in increased egg production. There will always remain, though, the tendency to variation which persists with the transmission of life from parent to offspring. While the inherited tendencies toward improvement may not be large in a single generation, they are at least sufficient to be noticeable and cumulative in individuals. Through the individual fowl, therefore, the increased flock production of eggs has been brought about.

When high flock production has been reached, it may be maintained by regard to the maintenance of vigor in the flock, subject only to the tendency of individual variation which so far has neither been controlled nor eliminated. With a breed of fowls like the Plymouth Rocks, an indication of increased laying power is a diminution in the tendency to become broody. This appears as a side issue in the above test to determine the number of eggs each strain of pullets would lay. Here again the figures plainly indicate the force of inheritance. The length of time between first laying and first becoming broody of the two strains is thus shown:

The first pullet's egg from my own strain was laid on November 16, 1911; the first egg laid by the unrelated strain of pullets was on December 13th. This gave a difference of 27 days in the time of first commencing to lay.

The first pullet to become broody of the unrelated strain was on February 22, 1912; but of my own strain, the first pullet did not become broody until March 26th. This gave an additional difference of 33 days in favor of my strain of pullets, or a total prolonged period of laying of exactly 60



First Rose Comb Red cock, Youngstown; also headed first pen at Cleveland, 1913. Bred and owned by M. C. De Loof, Willoughby, Ohio.

days. Assuming an egg from each pullet every other day, the difference in egg production per pullet as a result of inherited tendencies would be about 30 eggs in a period of about 4 months. This is a factor of no small importance to those who are seeking to increase the egg production of flocks of fowls.

The tendency to prolonged laying is further shown by the ratio of the broody pullets in the two strains. With my strain only two pullets became broody from November 16th to April 3rd—a period of 4 months and 14 days; whereas, with the unrelated strain, 7 became broody from December 13th to April 3rd—a period of 3 months and 21 days. While the record of broodiness was not kept after the first week in April, the ratio of broodiness of more than 3 to 1 was maintained to a greater or less extent up to the end of the season.

Taking all these practical features into consideration with a view of throwing light on the problem of inheritance in poultry breeding for egg production, it seems clear that the process of selection plays an important part. While variation is an uncontrollable factor, it is, nevertheless, as likely, and probably more likely, to operate in favor of the breeder as against him. The functional activity which is thus emphasized in selection becomes cumulative from generation to generation as a rule, and by this means increased egg production by flocks is not only made possible, but it may be maintained at a high standard by careful management for controlling the vigor of the fowls by the introduction of new blood. On this basis there is an undoubted field for an increase in egg production in flocks where the individual biological development of eggs has not been reached.



# H. H. Stoddard's Utility Breeding Chart

Combining Sixteen Unrelated and Carefully Culled Stocks, of the Same Breed and Variety, in One. *By H. H. Stoddard, Riviera, Texas*



I HAVE been asked to give a chart illustrating breeding for laying, on utility principles "with no Mendelian fold-about it."

Well, I have occupied lots of space already in these columns showing how the utility man will get along faster by principally spending his time raising as many vigorous pullets as possible and letting the "high laying" pretty much take care of itself; rather than relying on spending time in tending breeding pens of phenomenal layers

and using their eggs for hatching with the consequence of getting poor hatches and weak chickens. However, the first of the laying of a prolific layer after she has had a rest for moulting and for getting over it, may answer first rate for sitting purposes.

The truth cannot be too often hammered home that our white egg breeds were already "bred to lay" before any fancier, or any modern professional egg farmer, or utility man, ever got hold of them. Furthermore it is a question that is worth considering forty times as much as has been done, during all this pother of "increasing the yield" whether the Italian dunghill fowl or ordinary farm fowl, the Leghorn on its native heath, freshened up a little by taking out the effects of incest and neglect, has not already all the "bred to lay" it will stand.

What I am getting at is, that the breed in Italy has, through mathematical law been unwittingly bred to lay by the historic and prehistoric peoples of the Mediterranean region and nearby countries. By unconsciously setting the most eggs from the hens that laid the most, our involuntary helpers, dead and gone for long ages, gave us a strain "bred for prolificness." In the nature of things there was a limit. Checks appeared. One of these was lack of sufficient nutriment to furnish indefinitely a continual increase in laying. Nations through long periods have by spells been so near a half fed condition themselves that they would naturally feed their fowls grudgingly. Another check would be that when in favorable times prolificness rose to a certain stage, the hatchability of the eggs and the livability of the chickens would be reduced so that not the very highest layers but those of a rank lower down would leave the greater number of descendants. You can't go on forever in increasing a trait. Because horses have been brought in weight from one thousand pounds to two thousand pounds, it by no means follows that they can be bred to three thousand or four thousand pounds.

Undoubtedly the Leghorns in the United States and England, having in the past fifty years, received better tending and feeding than they were used to in the old country, their keepers unwittingly, but there must still be a limit, and now when under the more favorable auspices, the prolificness has been raised; its new limit cannot be passed any easier than the previous limit could.

When new causes have spent their force, equilibrium is reached, and the new limitations become as impassable a wall as existed before it being merely shifted to a new place. Illustration. Ethnologists tell that the Scandinavian people became large and tall by natural selection. In a harsh clime they were forced by the scanty returns from the soil, to battle with the seas to eke out a living, where strength and endurance only would insure success. Also over and over again, for a long period, neighboring clans or tribes fought with each other, or piratical craft contended with foreign ships; and so strength became thoroughbred, implying weight and stature. Well, now what? Because a certain stature was necessary did this mean the taller the better? Obviously not. Too great size would call for too much food to be economical, and would destroy a certain quickness of motion absolutely

necessary in the personal encounters of ancient warfare. In the natural response organization always tends to make to environment, the most advantageous size, shape, and advantageous everything else, is reached in time.

As soon as the imported Leghorns had added to their laying a number of eggs represented by increased food, and care in selection of male birds, which was probably somewhere near two or three dozen, they were about as perfect in laying as they ever will be, everything considered.

The best measure in breeding, not for adoption by the egg farmer as much as for the ordinary small scale operator, to improve the average prolificness of the already ancestrally "bred-to-lay" non-sitting breeds, will turn out to be not sitting eggs from the highest producers but by sedulously avoiding breeding from inferior producers.

Now turn to the matter of a chart for the guidance of the egg-farmer, the party whose slogan is eggs, eggs, and all the time, eggs for the food market, not for sale for breeding purposes. Such a chart is simple, in fact, the method might be made clear by words, without a chart.

The first thing is to consider the ends to be attained in the breeding operations of the egg farmer. Let us picture him in deciding whom to buy of in stocking up at the start.

The "way up" fancier practices line breeding, including considerable very close breeding as likely as not. The second grade fancier does the same. And in addition very likely uses incubator and brooder with his best breeding stock, a practice the "way upper" quietly avoids, says nothing and saws wood. As we go down the ranks, to those who both buy and sell eggs for hatching at lower and lower prices, we reach the ordinary farmers, mechanics, merchants and suburban residents of various occupations, who keep pure breeds but never expect to exhibit, and do not even own a copy of the Standard. As we descend there is of necessity almost continual incest, because every time a setting of eggs is purchased, breeding birds and eggs for hatching are sold far and wide from the descendants of the first setting; and these are always full brother and sister or else there is a half brother or a half sister in the case. And so wherever the utility man, in starting procures his stock, he gets incestuous fowls whether he purchases up or down the line as regards the seller's rank and reputation.

The farther you go toward a frontier or a partially settled country the more common the inbreeding, as a rule, because pure blooded fowls are rarer there, and from one purchase, many descendants are scattered far and wide.

As a general thing, to get utility stock it is best to go to the "higher up exhibitor" and winner at big shows, rather than to the humble exhibitor at small shows, and go to the latter rather than to the party who never exhibits at all. And why, some may ask, since exhibitors breed for fancy points and not for utility. Simply because exhibitors must keep their stock strong to a degree. Though as we have said, the utility man while purchasing may well presume on finding all the stock he runs against more or less full of the results of incest; still when the fanciers find size and strength falling off they hasten to introduce fresh blood, and this is done oftener than is generally suspected; and meanwhile the inevitable careful culling keeps them supplied with vigorous breeders for their own use and so the strength of our breeds is maintained whether the utility man ever gets hold of the selected vigorous birds or not, and generally he does not.

Winning exhibitors must constantly cull and breed from their strongest fowls of both sexes because they must bring out good healthy birds for the exhibition pen if they bring out any.

In spite of all the flub-a-dub of the fancier's doings, some of which is puerile enough to make the doer, it would seem, if a full grown man, ashamed to see his face in the





"RINGLET" FIRST PRIZE 1<sup>st</sup> SWEEPSTAKES CUP EXHIBITION PEN  
MADISON SQUARE GARDEN NEW YORK 1913  
E. B. THOMPSON, AMENIA, NEW YORK, OWNER AND BREEDER.

First Prize and Sweepstakes Cup Exhibition Pen at Madison Square Garden, New York, 1913. E. B. Thompson, Amenia, N. Y., owner and breeder. This last 1913 record won by Mr. Thompson surpasses anything ever accomplished in Barred Plymouth Rocks at Madison Square Garden.



glass, yet taking human nature as we find it, "the fancy" so immense in the number of its votaries, and the capital invested, the expenses incurred, and the time spent in it, is an institution absolutely necessary for two important utility matters, to wit—keeping our poultry breeds pure and preventing an otherwise inevitable mix up and running out. Secondly, fanciers as said above make a continual careful selection of the strongest specimens for breeding wherever it can be done without too much loss of fancy points.

I am sick of the reiteration, parrot-like, of the accusation that "breeding for fancy ruins some of our best breeds." Then follows the old gag about the Black Spanish "spoiled by breeding for a white face." The truth is in the long run, fanciers are the preservers not the destroyers of vigor.

All said, thus far in our story, leads up to the proposition that one of the ideals to be kept in mind in framing the utility man's breeding chart, is crossing to get the inevitable incest taint out of the stock he starts with, and accumulate a great fund of vigor; and when this has been done, another ideal is to further egg production to the highest possible pitch consistent with safety, and with "kindness to animals." And now how are these two ideals to be wrought out?

I would breed by crossing together eight at least, preferably sixteen strains, of completely unrelated stock of the same breed, culled with scrupulous care in selecting the most vigorous and using only young but well matured breeders, fed on what they prefer and not on what is arbitrarily mixed up for them.

This to accumulate a fund of strength. Strong they will be, my word for it. Their shanks will be large, their plumage lustrous, eyes bright and movements active. To combine sixteen stocks in one there must be four breeding seasons, to combine eight stocks three breeding seasons, four stocks two breeding seasons, two stocks one season.

The reader is referred to page 1542, where in pens 1 to 8 inclusive the numbers 1 to 16 represent eight cocks and eight hens to start with, these being of the same breed of non-sitters, preferably S. C. White Leghorns and from sixteen different and unrelated stocks. I said eight hens, but there should be a group of several hens with each male as one alone might die or become incapacitated. Let it be understood then that while "c" represents one cock, "h" in every instance through the whole diagram, means a group of hens. The members of any group of hens in the upper tier of pens may or may not be related to each other, it makes no difference, so long as they are not related to the cock they are with or to any of the fowls of either sex in the other groups. In case not enough non-sitters are with a particular male, in any one of the pens in the upper tier, to make him behave with becoming propriety, a few brown egg hens may be put in his pen. In all pens from 9 on, have as many Leghorn hens as one male can attend to, the pens being more and more roomy each year.

There are 30 different "bloods," beginning with the cock 1 in pen 1 and ending with the group of hens "h 30" in pen 15. The produce of pen 15 will make 31 separate bloods.

Let us explain the diagram a little to make it clear that when pen 16 is reached, fowls of 31 absolutely different bloods have been used. Take pen 1, for illustration, in which "c" and "h" are different, being two of the original sixteen unrelated stocks. Notice that from the produce of pen 1 all the pullets must be taken away and thrown out of the game. They may be used elsewhere on the farm. But a cock of this mating, "c 17" is used the following year in pen 9. From the produce of pen 2 reject in like number all the cocks. Sell 'em, eat 'em, or whatever, but put all the likely pullets, "h 18" in pen 9. Similarly the produce, the first season, of pens 3 and 4 furnishes "c 19," and bunch of hens "h 20," as breeders for pen 10 the second season. The produce of pens 9 and 10 the second season is used to furnish "c 25" and "h 26" for breeding together the third season; and thus through the whole diagram.

Let the keeper be dismayed at the idea of quarters for the eight flocks at the start, his attention may be called to the device of having no yards at all but instead use little low covered pens, built side by side to save material, the partitions to be of one inch mesh. It is a good thing to have the males prancing up and down and making feints so long

as they cannot draw blood. It gives them exercise. These pens are not for the attendant to enter at all. They need not be over three feet high.

Now these economical small pens are admissible for breeding stock in this case, though in most cases emphatically damnable. The fowls are to remain in them but a short time. The moving them to the pens in the upper tier at the start, after probably a trip of considerable length by wagon or rail, stops their laying and gives them a rest, so that the eggs you set are all from beginnings of the laying terms and strong and vigorous, being just what you want exactly. Enforced idleness of the hens for a short time will not injure their eggs, it takes time for that. "Have deep litter for them to scratch in?" Well, if you want to tend a scratch-pile in a low down, covered coop try it. It is the very essence of inconvenience. If litter is shallow, scratching soon stops; if deep—the hens are just be-devilled to lay in it, and the eggs are scratched all over the coop.

Pen 16 represents what should be a large yard, or a number of yards, for now (and in the fourth season also) numbers are the object. As many pullets as possible are to be bred, from now on, for the general laying stock, to produce eggs for the food market instead of for hatching. In the earlier seasons all that was necessary was to breed a few to get the cross, when the pen was at once disbanded. In pen or yard, No. 16, after getting strength into the stock for four years you make a direct attack on their vitality and hit 'em hard. Why? Answer: Eggs. Breed brother and sister for four generations if their appearance and your conscience will let you. This gives time for again combining sixteen breeds in one, to get more stock with strength to stand more hard blows, to get more eggs.

When you strike at the very fountain of strength in plant or animal, nature at once resorts to high fecundity as if the old dame said: "The race is threatened with extinction, let unusual prolificness be resorted to to avert it."

History shows that when there has been a tremendous deadly pestilence, like the "black death" in Europe centuries ago, the deleterious effect on bodies and minds of the survivors, which beforehand it would seem must so paralyze them as to check increase of population, there is just the contrary effect. Children were born in greater numbers proportionate to the population soon after the terrible "black death" than ever before or since.

During colonial times, when there was scarcity of food, weary watching and warfare against the Indian, and depressing influences and hard knocks generally, the families averaged more children than in the prosperous times which followed, and than in the generation preceding their departure from the old country.

There is quite a shock of acclimation to immigrants coming to the Southwest from the North, and all up and down the long tiers of farms that have supplanted immense cattle pastures, new school houses are fast being built, and the large crop of children is so obvious as to become a matter of common remark. There are some parties I know who are too confounded lazy to desire children that I wish would settle here.

But why the paradoxical building up only to pull down? "If injury," some may say, "is desired, why not inflict it in the first place?" Well, you might wipe your stock off the face of the earth pretty nearly if you began that way, don't you see?

Abuse may promote increase. I had, in Nebraska, some tall, extremely vigorous, Siberian crab-apple trees, but they bore very sparingly. The nurseryman I got them of said: "Drive nails thickly together into the trunks all round, just below surface of ground. Bleed them, punish them for bad behavior." I obeyed, and they did not run to wood after that, but to fruit. Have seen a large pear orchard treated same way with same results. Certain plants that thrive in the middle west will start off in the southwest by seeding profusely, and the seeds will not only be very numerous, but what astonished me, unusually large and plump. Then the plant, though a perennial at home, will just up and die.

As new breeds, one after another, have been made, beginning with the various Cochins and Brahmas, manufactured from Shanghai and Chittagong raw material, down through the line of new breeds from Barred Plymouth Rocks on, produced by the fusion of pre-existing breeds, supplemented



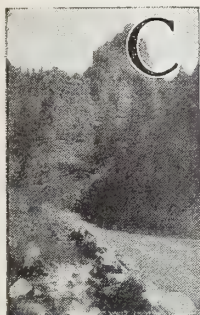
by selection, in every instance the crossing resorted to in the early stages increased prolificness.

There was at first a loud acclaim of wonderful laying feats, and as a matter of fact, not a made up breed has ever been admitted to the standard that did not early show a prolificness greater than the average of the breeds that were compounded to make it. Next there was much close breeding, sometimes designedly "to fix the type" and sometimes incidentally when, the new breed being scarce, the progeny of a few specimens was disseminated over a wide area, as described above, and the fowls have laid finely for awhile and then there has been a third stage of a remarkable falling off.

The noticeable prolificness in the first two stages has been attributed by many persons to the extra feeding, and care in general, arising from the fact that the new breed was so costly. But that the management was not the sole cause is evident from the fact that when earnest keepers sought to bring back the laying, after the third or decadent stage was reached, by the best treatment possible, they could not do it by such means alone.

## Breeding the Cornish for Utility

*By John W. Ward, Jr., Pennington, N. J.*



**C**ORNISH, as bred today by our leading breeders of both England and America, are of the greatest value as a strictly utility bird; that is for meat and for eggs, simply as a "farm chicken," getting away from the fancy side of the question, the show room side altogether, for the moment.

As a strictly market breed for meat, the Cornish fowl stands today without a peer in the domestic poultry world. Cornish have far more meat, of better quality, tenderness and flavor than

any other breed in existence, for food fed to Cornish goes to the making of a carcass, almost rivaling a New England turkey in size, which in other birds goes to the making of feathers and not actual flesh. It is a mighty poor Cornish male, greatly undeveloped and improperly fed, that will not, at the age of one year, weigh ten pounds, and a pretty lean female that will not work up seven pounds on a pair of scales. These are yearling weights, it is true, but I can say truthfully that Cornish are fit to eat from the time they are six weeks old until they have many grandsons and granddaughters running around your yards. You will never have any trouble, with any decent method of feeding, to get a Cornish to weigh two pounds at from eight to ten weeks, —a great deal, of course, depending on the breeder and the method of feeding, in order to get flesh of the best quality on mature birds, Cornish for meat are in a class by themselves.

Cornish will lay, egg for egg, with any of the heavier breeds of poultry, and will in some cases actually outlay some varieties of our feathered friends that are supposed to be producers of a fair number of eggs. You ask right away, "what do you consider a fair number of eggs?" I would reply as follows: On a commercial egg farm, eggs they must have, regardless of the sacrifice of feeding stock, and we hear of the 200 or the 250 egg hen, perhaps, but for a general purpose fowl, you cannot expect to reach these high marks and still have your stock in a healthy condition to breed from; for I believe, and I am not alone in my convictions, that a hen that lays from 125 to 150 eggs per annum is in a far better condition to lay eggs that will produce "hatched to live chicks" than her sister that lays over the 200 mark.

Some may say that because I am a breeder of Cornish I am "set, heart and soul" in my work, and so cannot "see" anything but a Cornish. I will plead guilty of the first charge, for I am interested deeply in the breed I am working on, the Dark Cornish; but in answer to the second charge I just want to give you a few facts gleaned from a recent article which I picked up concerning the first

As a natural sequence of the boom of one new breed, and the accompanying reaping of ducats, some aspirants would have another new breed formed at just about the time that its predecessor was running down in prolificness. Then an amusing thing invariably happened. The champion of the latest variety would challenge comparison in laying powers with its predecessor that had made such a big run. The joke was that he would beat too. This made the poultry world ring again. It was a case of "the King is dead, long live the King."

Sometimes a breed that has been an old standby, falls off steadily year by year as regards numbers of entries in shows, and a concerted effort is proposed to revive its popularity. Let the sixteen in one (not 16 to 1) plan be followed to attain the desired renaissance.

In conclusion it should be mentioned that produce of pen 15 can be used as one of the 16 stocks, when a new start is made, so that when pen 15 is again reached there will be 31 stocks in one. Next, 46 in one, then 61 in one, and so on. The more the better just as in the human family.

"North American" egg laying contest at Storrs, Point, Ct., last year, to show you that Cornish have made egg records in other places besides the "back yards" of Ward's and Ward's friends. During the first 26 weeks of the first competition held at Storrs, a pen of Dark Cornish entered there, composed of hens that, with the exception of one yearling, were two year olds, and averaged 63 eggs per hen, laying during these weeks which composed the winter months of one of the coldest winters we have ever recorded in the East, an average of 126 eggs per hen per annum, and actually outlaying during the period stated, the Silver Wyandottes, the Golden Wyandottes, the S. C. Brown Leg-



horns, an egg laying breed, the S. C. Black Minorca, another so-called egg layer, the Houdans and the much touted Butercups. These are records which we must believe. They are before the whole poultry world, and not simply compiled by a fancier on a soap box in his back yard on Sunday afternoon. Cornish have the body for egg production. Cornish will lay eggs.



# EDITORIAL

WE LEAD  
OTHERS FOLLOW

65,000 A. P. J.'S FOR DECEMBER, 1913.

State of Illinois, County of Cook, ss.:  
G. M. Atwell, president of the Atwell Printing House, Chicago, being duly sworn, certifies that the American Poultry Journal has contracted for printing and binding 65,000 copies of the December, 1913, issue.

G. M. ATWELL,  
Subscribed and sworn to before me this 21st day of November, 1913.

(Seal) HENRY G. EISERT,  
Notary Public.

## OUR GUARANTEE.

We guarantee our subscribers against loss due to fraudulent misrepresentation in any display advertisement appearing in the American Poultry Journal, providing the subscriber when ordering the fowls or merchandise states that the advertisement was seen in the American Poultry Journal, and places the order during the month or months in which the ad is inserted in our columns and notifies us of the fraudulent misrepresentation of the advertiser, giving full particulars, as soon as it occurs.

## The Season's Greetings to You All.

Old Father Time has nearly completed another cycle, there have been dull times, hard times for some, and much unrest, but we believe that the turn in the tide has come and that from this time on we can confidently look for better things, more progress and greater prosperity.

Thanks to your earnest and helpful cooperation, American Poultry Journal can look back upon the year 1913 with satisfaction, for we have enjoyed a good year where many suffered from depression. At the beginning of the year our subscription price was raised to one dollar a year and many of our contemporaries predicted dire disaster. We are glad to be able to say at this time that business in subscriptions has been good throughout the year. We have maintained our fixed schedule of prices and we have not cut the price. October, usually a dull month for subscriptions, has been a source of welcome surprise to us in the number of renewals and increase in new subscriptions received, before we had begun our regular campaign work.

We are deeply grateful for the confidence our readers and advertisers display in American Poultry Journal and for the encouragement they have given us in our work. We have strived earnestly to make this a better magazine, to make it more helpful and more useful and to give the biggest value that can be given in a dollar poultry magazine. We have not been able to do all that we wanted to do in the brief year just past, but we feel that we have made some considerable progress. Many readers have kindly written us complimentary and encouraging letters and this has helped greatly.

We have added to our staff of workers and we have a force of earnest men and women, unequaled by any other publication in the field, who are striving always for better things and

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AMERICAN POULTRY JOURNAL is the oldest poultry paper in America. It has a national and world-wide reputation. The best writers on poultry matters contribute to its columns. It receives the patronage and endorsement of the foremost representative breeders of standard poultry and manufacturers of poultry appliances in the country.

greater stability in the field of poultry work. We play no favorites and publish fearlessly what we believe to be right. The advertiser has no advantages over the non-advertiser in our reading columns, both meet on an equal footing.

Our promise for the coming year, 1914, is that every member of our staff of editors, artists, contributors and printers will do his level best to make this a still better poultry magazine and to live up to our motto: "We Lead, Others Follow." There are many good things planned and you will get many times the worth of your dollar in 1914.

1914 promises to be a year of better times, progress and prosperity. The outlook was never better for those who get into the poultry business right, start right and stay right.

Your friendship and cooperation has ever been our greatest pleasure and our greatest asset. We hope and intend to always merit your approval and valued help, and now, as the season of Peace and Good Will approaches, we wish you one and all:

A Very Merry Christmas and A  
MOST PROSPEROUS AND HAPPY  
NEW YEAR.

## Ultra-Intensive Poultry Keeping.

Feathered Life, England's Utility Poultry Journal, under the caption, "A Belgian Poultry Object Lesson," publishes the following letter from Prof. Edward Brown—we want YOU to read it:

"Sir:—During recent years a great poultry industry has grown up in the provinces of East Flanders and Antwerp, Belgium, in the production of high-class fowls for table purposes, and a vast trade has resulted in the export of these birds to Germany. That it has been highly profitable is unquestionable, and in the prosperity a large number of people have shared. It was described at length in my 'Report on the Poultry Indus-

try in Belgium,' published three and a half years ago. Even then, however, I felt convinced that the methods adopted were conducive to disaster, in that these were ultra-intensive and must ultimately result in degeneracy and heavy loss. What was then foreshadowed has, unfortunately, proved to be true. The industry has been stricken, and an epidemic has spread over the entire country of a most serious character, disastrous in the extreme.

"The form which it has assumed is a high rate of mortality in chickens. In some instances the deaths have reached 80 per cent of the birds hatched. In others all have died. Ruin has followed in many cases. So great has been the loss that the Belgian Ministry of Agriculture authorized a scientific investigation by the staff of the Louvain University, and a report just issued states that the immediate cause is bacteria which pass from the hen through the egg to the chickens, which are born but to die.

"My own investigations have been rather in the direction of causation, with a view to prevention, and as a guide to our own people, more especially as the present-day tendencies are for the development on intensive lines of poultry-keeping.

"The conclusions arrived at may be summarized as follows: (1) Loss of constitutional vigor in the breeding stock, as a result of the false systems of breeding adopted; (2) use of yearling cockerels for breeding chickens intended for stock purposes; (3) in-breeding; (4) forced methods of rearing chickens that are grown as breeders; (5) non-hygienic conditions in the houses and runs, and tainted soil due to over-crowding; and (6) conditions favorable to the increase of parasites and bacteria.

"When the facts as stated are realized, and the lesson learnt, I cannot but think that the industry will regain its former prosperity, and that better methods will be adopted. Meanwhile this bitter experience should be an object-lesson to our own people. Yours, etc., Edward Brown."

In America today we are suffering from the effects of over-exploiting and over-doing the ultra-intensive system of poultry keeping. By ultra-intensive poultry keeping we mean the crowding of fowls and chicks in cramped quarters, combined with heavy feeding, no opportunity to range, and the contin-



uous over-cropping of very small land areas with chicks and fowls.

Prof. Brown has called attention to the object lesson and we should profit by it. The ultra-intensive poultry keeping systems are not all bad. They have helped many people to become interested in profitable poultry keeping who might never have been reached in any other way. Sensibly used, intensive methods may be profitably turned to good account and will help some people to have poultry and eggs for the family table at production cost, when they could not do so in any other way.

System promoters, however, have made too much capital of exceptional cases, they have claimed too much and some of them have become rich through extravagant advertising which has done the poultry industry, as a whole, more harm than good.

You can't force fowls continuously in crowded quarters, year after year, and continue to breed from them with good results. You may for a time get unusual production because of the attack that an ultra-intensive method makes upon constitutional vigor. You may for a time get more eggs and possibly more chicks for the same reason that trees fruit heavily after severe pruning. You can't keep it up and get away with it safely.

If ultra-intensive methods are continuously employed, season after season with layers, breeders and growing chicks, trouble is certain to come of it. There is loss of constitutional vigor, loss of resistance to disease; microscopic germs, which may be normally inert in a sound healthy body, become suddenly overwhelmingly destructive and we get diseased egg organs, infected eggs and chicks born only to die, being doomed before birth.

We hope that American poultry keepers will wake up and save themselves before it is too late. Already some of our market chicken raising communities are seriously affected. The past few seasons, chick mortality has increased at an alarming rate. White diarrhoea and kindred ailments, though caused by micro-organisms, are the direct result of lost constitutional vigor, forced-fed growing stock, forced-fed breeding stock, and the continued use of poisoned ground.

With reasonably sanitary precautions, especially paying attention to keeping the soil sweet on which the birds run, you can grow chickens satisfactorily, for home use and the market, by intensive methods. You may even breed fowls for a few seasons kept on the intensive plan and get away with it, but you can't keep it up and one day comes a reckoning.

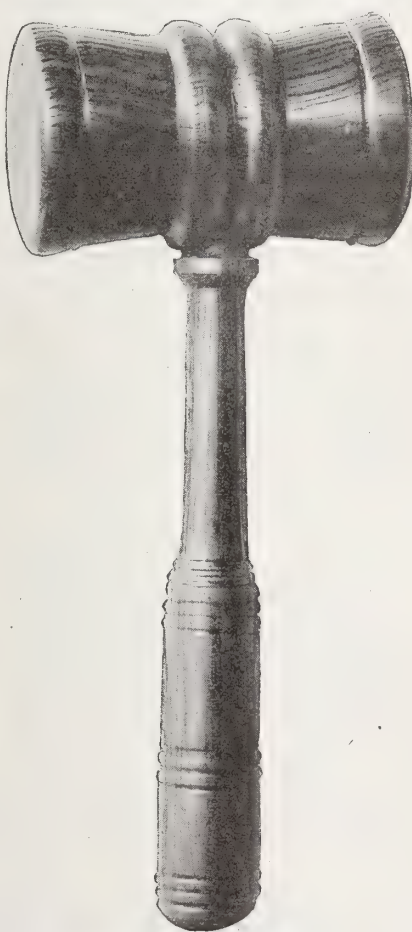
To continue successful with any ultra-intensive system you must have eggs for hatching from range-bred, range-reared and not forced-fed breeding stock, grown on soil that is stirred and cropped sufficiently, and allowed to rest from poultry at intervals, to keep it free from poisoning. Or, you should frequently renew your intensive-system flocks with stock birds grown under wholesome range conditions.

The ultra-intensive system poultry keeper should not sell eggs for hatching. That is practically putting a premium on the dissemination of disease. His intensive-culture flocks should be worked for the production of table meat and eggs and not for

the production of breeding stock. He should go to the range breeder frequently for new stock and a fresh supply of constitutional vigor.

Intensive poultry keeping and its dangers are not limited to the poultryman who uses box coops and tenement house methods. Some big plant market growers are just as deep in the mire. They continue, season after season, to select breeding stock from among their forced for market flocks and keep right on using the same old ground, year after year, without proper cropping and resting of the soil. They get a good season now and then, but many bad seasons, and they continue to rave about "bad luck" when the trouble is largely bad management.

We have in mind a certain grower who last year raised some of the best market chickens we ever saw. The present season he is certain to have



heavy losses. For one thing he failed to get his usual good crop of green food started for his flocks. His chief trouble, however, was failure of his source of hatching eggs. He buys all eggs for hatching. This year the man who supplied him with eggs had many immature breeders and a large number of the stock birds had been selected from forced-for-market stock. It took 9,000 eggs to hatch about 3,000 chickens. That tells a story in itself of lack of constitutional vigor. The chickens do not grow uniformly. They are greatly lacking in constitutional vigor and will not make good frame and body growth in spite of good care. In spite of frequent culling for size and growth, every flock has many sizes, mostly weaklings, wobbly-legged, knock-kneed, rough feathered, thin-shanked chickens that have lack of constitutional

vigor stamped all over them. Their owner must get rid of them as best he can and count this season a loss. He describes the crop as, "a miserable, excrement-eating, go-light, lot of birds."

We urge our readers to heed these lessons. Don't employ ultra-intensive methods continuously, nor at all if avoidable, with your breeding stock. Use range-bred, range-reared, open-air stock birds for breeding purposes. Keep the soil sweet by frequent resting, stirring and cropping. Breed always for strong constitutional vigor.

To stop the alarming increase of mortality from germ diseases among our poultry we must strike deep at the fountain head. Treating disease when it appears is of little value. Disinfecting has only limited scope. Prevention is the main thing.

The best method of prevention is to breed strong disease-resisting qualities into our poultry by consistently breeding for health and strong constitutional vigor. Germ diseases only attack the susceptible individuals—don't forget that. This is true, or the "germs" would be the only things left alive today.

Follow breeding for health, vigor, and disease-resisting qualities by common sense management to preserve these desirable qualities.

#### New Gavel Presented to American Poultry Association.

The following letter explains itself. We received the gavel mentioned and forwarded it to President Thompson. We show herewith a picture of the gavel.

Ancon, C. Z. Panama, October 12, 1913.  
Mr. Jas. W. Bell,

Editor American Poultry Journal,  
Chicago, Ill.

Dear Sir: Noticing your editorial on the need of a gavel for the President of the American Poultry Journal, I take the liberty of sending you one to be presented to the association. I am mailing it to you not knowing the address of the president.

The gavel I believe will last till I become president of the association, as the wood has served many years before being made into the gavel.

The wood is Lignum-Vitea, and was a railroad tie, being one of the original ties of the Panama Railroad, and has been in service for more than fifty years. The aspirants for the presidency of the association need have no alarm as I knew the lasting quality of the gavel when I made the above statement.

Hoping the gavel will be perfectly satisfactory, and will tap much harmony into the association, I beg to remain,  
Respectfully,

E. H. Deer.

#### Madison Square Garden Show.

Charles D. Cleveland, superintendent of the Madison Square Garden Poultry Show, New York City, to be held December 26 to 31, has mailed over 4,000 premium lists, most of them in response to written requests. The unusual amount of interest in this exhibit indicates a heavy entry and it is expected that the pen classes will be particularly strong and of fine quality. Believing that the public is more interested in pens than in any other entries the management has arranged



for the accommodation of 500 exhibition pens.

This will be the 25th annual exhibition of the New York Poultry and Pigeon Association and twenty Specialty Clubs are planning to meet at this show. Large entries from abroad are expected.

On the opening night the management will give an informal reception and supper to exhibitors and friends. There will be absolutely no formality on this occasion, just a good time and a get-together meeting of fanciers.

The attention of exhibitors is called to the fact that the Garden will be open two days before the commencement of the show, and that it will not be necessary to ship birds out of the garden on the closing night, thus ample time is given at both the opening and the closing of the show to coop specimens and to avoid having shipments delayed by being on the road on a holiday.

Premium lists and detailed information may be had of the secretary, Box 69, Eatontown, N. J.

### World's Champion Layers.

A thoroughbred Barred Plymouth Rock and a cross-bred, having White Leghorn and Barred Rock blood, have made new records in the world's championship for egg producers and the standard-bred Barred Plymouth Rock is just one egg ahead for the year.

"Lady Morley," No. 208, a "Go-well Strain" Barred Plymouth Rock pullet, owned by W. D. Crowell, Arcadia, Nova Scotia, from September 29, 1912, to September 28, 1913, inclusive, produced 292 eggs. On September 30 she laid one more egg making a total of 293 eggs in one year and two days. Up to October 27 she had not laid since and was quite bare from moult. We believe that this record of 292 eggs in one year, only eight less than 300, is the world's record laying to date. The owner's affidavit and copy of egg record for the year is published herewith.

A cross-bred hen, (the original cross being Barred Plymouth Rock and White Leghorn, but strain now being developed for egg production having more Leghorn blood than Rock blood) No. c.543, bred by Prof. James Dryden, Oregon Agricultural College, Corvallis,

made a record of 291 eggs in her laying year ending October 15, 1913. Only one egg less in one year than Champion "Lady Morley."

This is wonderful laying and is getting pretty close to the "300 egg hen" that the "bred-to-lay" breeders have been working for. When one considers that 144 eggs in a year is a very good average for a good flock of layers and that these champion layers produce more than double that num-

each last year. Another member of the Oregon flock had produced 280 eggs and had still 30 days in which to complete her laying year. Still another has a record of 268 eggs and a month in which to finish the year. Prof. Dryden says the heavy layers are normal healthy specimens and produce eggs of normal size and that his records show that fecundity is transmitted. He says further: "We are trying to get higher egg yields in two ways:

DATE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
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MAY	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	26
JUNE	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	24
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EXHIBIT A																															TOTAL FOR YEAR	292

A correct transcript of the original day by day egg record of pullet "Lady Morley" known as #208 in record book. H. B. Crowell.

ber of eggs, the performance seems still more remarkable. Though they are unusual specimens, perhaps, they cannot justly be classed as "accidents" for they are the result of intelligent, consistent and persistent striving for an ideal—a "300 egg hen" or better.

The Oregon cross-bred has several generations of heavy layers back of her and is one of a flock of fifty hens which produced more than 200 eggs

First, by selecting good layers from existing breeds, and secondly by crossing the breeds and selecting the best layers. The second method has given the best result, although I believe it is possible to get good results by the first. The object of cross breeding is to improve the vitality, which is injured in many pure bred fowls by inbreeding. No unnatural methods have been resorted to here to break the egg laying records. These results were



## Buff Orpingtons

The trapnested kind—the sort that lays the eggs, produces the birds, wins the prizes at Greater New York, Chicago, Indianapolis, Louisville, Nashville, Memphis; holds the crowd at every important show and points the way to real Orpingtons.

### No Contest Too Keen—No Demand Too Great

We can supply your needs and will give one hundred cents in value for every dollar you care to invest with a plain guarantee, you must be pleased or the birds can be returned and we will refund your money. Thousands of exhibition specimens and selected breeders. Let us help you win and improve your flock. Send for big Orpington Fashion Plate Book—the key-flower of perfection, free.

A. E. Martz & Son Buff Orpington Specialists Box A, Arcadia, Indiana



secured by methods adapted to farm and commercial flocks."

With such earnest workers in the field it would seem that we may get big flocks of 200-eggers in time. More power to those who are working for bred-to-lay strains.

Mr. Crowell's flock of Barred Rocks, it should be noted, contains a number of hens which lay 200 eggs or better. One bird in a pen of nine pullets, which averaged 243 eggs last year, made the world's record for that year by producing 283 eggs. A Ringlet strain pullet in the same yards has a record of 244 eggs in nine months and still laying. Such specimens cannot be fairly classed as produced by accident.

The day-by-day egg record of "Lady Morley," W. B. Crowell's 292 egg champion layer is reproduced in another column. Mr. Crowell's affidavit presenting facts concerning his remarkable layers is quoted below:

"In the Matter of Certain Egg Laying Records of Plymouth Rock Hens (Barred) Kept By W. B. Crowell of Arcadia, in the County of Yarmouth, Province of Nova Scotia, and Dominion of Canada, Clergyman.

"I, W. B. Crowell of Arcadia, in the County of Yarmouth, Province of Nova Scotia, and Dominion of Canada, Clergyman, do solemnly declare—

"1. That in connection with my poultry I use the Maine Experimental Station Trap Nest.

"2. That I mark each egg with the hen's number as the hen is taken from the nest. This number is entered at once upon a book.

"3. That the Plymouth Rock pullet, 'Lady Morley,' laid from September 29th, 1912, to September 28th, 1913, both inclusive, 292 eggs. All of which will more fully appear by reference to the copy of the day by day record of this pullet herewith produced and marked 'Exhibit A.' The mother of this pullet was purchased by me from the Gowell Poultry Farm of Orono, Maine, and their number for her was A204. This hen had a pullet record of 217 eggs. The sire of said 'Lady Morley' was the son of a cock purchased from said Gowell Poultry Farm, whose dam, in turn, was numbered by them No. 1225, said dam having a pullet record of 223 eggs. The dam of this cock, that is the granddam of 'Lady Morley,'

had a record of 178 eggs. Gowell's number for her was 850.

"4. I have a pullet hatched from the famous Ringlet strain, the eggs of which I bought from F. L. Young, East Braintree, Mass. This pullet began to lay January 29th, 1913, and in nine months laid 244 eggs and is still laying.

"5. The average number of laying days this year of a pen of 16 pullets of mine is 283, and the average number of eggs is 205.5.

"6. Last year I had a pen of nine pullets which averaged 243 eggs. The highest number was 283, the next 281. Copies of these records were transmitted by me monthly to the poultry division of the Nova Scotia Agricultural College, Truro, Nova Scotia; the above statement can, therefore, be verified by reference to these returns. The record of this pen for this year was very unsatisfactory, and all were killed, save one, whose record for 1912, was 234 eggs, and has laid this year up to the present time 220 eggs, and has until November 11th, to complete the year.

"7. This declaration is not made for the purpose of selling eggs, as the fertility in my eggs during February and March of this present year was not above 50 per cent, and after April 1st the eggs were not fertile.

"And I make this solemn declaration, conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath, and by virtue of the Canada Evidence Act.

"(Signed) W. B. Crowell."

"Declared before me, at Yarmouth, in the County of Yarmouth, N. S., this 27th day of October, A. D. 1913.

"(Seal) C. Curtis McKay.

A Notary Public in and for the Province of Nova Scotia."

### Beef and Poultry.

Gustav Bischoff, president of the American Packers' Association, in an interview given to the Chicago Inter-Ocean, predicts a beef famine by 1923 and he urges American farmers to grow more beef. He says that "our farmers should be taught that they can profitably enter the meat raising business." In course of his remarks he stated:

"Unless the farmers of the United States are educated at once to the necessity of

raising cattle, a period of national decline will set in within the next ten years, porterbouse steak will be sold at \$1 a pound, and the American workingman will begin to lose initiative and take on the characteristics of the rice-eating Chinese.

"Packing houses will be closed up and workmen who now are making good wages and comfortable livings will be thrown out of employment. Much of the country's money will go to foreign countries. We will be a nation of dependents."

Melvin A. Taylor, vice president of the Stock Yards National Bank of East St. Louis, commenting on the same situation said:

"Unless something is done to bring about an increase in live stock production in the United States and throughout the world, the Americans in a comparatively few years will be forced to follow the example of the French and Germans and eat horse flesh.

"There are a number of reasons for the decrease in live stock production. One of the serious causes is our vicious tenant system. Then again our population is increasing at a much greater ratio than our production of live stock. Taking the world at large there has been an increase in population of 25 per cent in the last ten years, while the cattle increase has been only 11½ per cent."

There is doubtless much truth in the statements of these gentlemen, who should be quite familiar with the situation, but they omit telling that the packers, and even the small meat dealers, are largely responsible for present conditions in the production of meat in this country.

Many farmers would be glad to grow beef, if they could do so at a fair profit. One great trouble is that when the farmer has beef to sell he has to take whatever price the packers choose to pay for it. When the farmer wants to buy beef he must pay the price demanded by the packers and dealers. Often when he sells beef and other produce he doesn't get a new dollar for an old one. There is much that is rotten in the marketing of the food produced in this country and the packers, railroads, middlemen and dealers are all getting fat on their profits while the farmers, as a class, still find

## Broke All Records at Boston

Boston has always been conceded to be America's greatest White Wyandotte Show, but it remained for **Martin's Regals** in January last to break all previous records by a good big margin. In a Class of 215 of the best White Wyandottes ever gotten together and shown by twenty-two exhibitors, they won as follows:

**Cocks—First and Sixth**

**Hens—First, Fourth and Fifth**

**Cockerels—First, Third and Fourth**

**Pullets—First, Third and Fourth**

**Pens—Second, Third and Fourth**

**First Display with a score of 72 points, which was 12 more than my 21 competitors combined.**

**\$100 Challenge Cup and practically all the other specials.**

Such winnings as these place the Regals far in advance of all competitors, and the type I have always advocated is the best suited for heavy egg production and general usefulness.

### 2000 - Cocks, Hens, Cockerels and Pullets for Sale - 2000

**SPECIAL**—100 Exhibition Cockerels and 200 beautiful Pullets ready to win the blue ribbon for you.

100 well matured Cockerels from my heavy-laying Dorcas line, \$10, \$15, \$20 and \$25 each. Dorcas Pullets, \$5, \$8 and \$10 each. Stay-white utility Ckls., \$3 and \$5 ea.

Send four cents for the Regal White Wyandotte Book. Free illustrated Catalogue and Sale List.

**John S. Martin : Box 51 : Port Dover, Canada**



Crusader III, a Boston Winner



it hard work to get a decent living.

We won't have to eat much horse flesh for some time yet. Fortunately poultry and poultry produce are not so easily gobbled and controlled by the sharks of the market. Poultry is affected and often the cost of grain and supplies is boosted by market juggling beyond all reasonable limits, but a very large portion of the poultry produced cannot be easily rounded up and swallowed by the big fish. Every man in this country, who has the use of a back lot, can keep a few fowls for eggs and raise chickens for the home table and he can produce such food for home use at fairly reasonable cost even with grain at famine prices. If he uses a reasonable amount of common sense and does not carry the ultra-intensive poultry keeping too far, he can in some measure be independent of the "meat trust."

Poultry and eggs are good food, much better food than too much beef. We know a thrifty German family that produces most of the meat they consume. They have a small suburban place and raise a goodly number of chickens each year, many to eat and some to sell. They keep a sufficient number of hens to supply eggs for the family table and often have eggs to sell to neighbors. They also raise Belgian hares and grow them for family food purposes. It is seldom that they buy meat at the market and generally when they do so it is out of the proceeds of the sale of poultry or eggs.

We would be glad to see American farmers growing more beef and selling it at a profit. It would be better for the farms and the farmers. Feeding hay, grain and straw to cattle on the home place helps to put fertility back into the soil as well as making meat. It ought to prove better than spending so much money for commercial fertilizers. What we want most to see, however, is more families helping themselves toward greater independence and a better living by producing poultry and eggs at home for the family table, and perhaps a surplus to sell to less fortunate neighbors. There is no need to have a meat famine by 1923, or even many many years later, if we will all make the most of our resources. Try home raised poultry and eggs once and you won't do without them afterward.

### "The High Cost of Living."

The Boston Post (Mass.) published the following editorial on October 18, 1913:

#### "FOOD ROTTING ON THE GROUND."

"Reports from Minnesota declare that thousands of bushels of fine apples and other foodstuffs lie rotting on the ground.

"The farmer would gladly sell them at a reasonable profit; but it's too big a gamble for him to undertake the marketing under present conditions. The farmer has had some bitter experiences the past few years. He has sent lettuce and celery from the South and received back sums less than the actual cost of gathering the crop. He has sent fruit and melons from the West, and has seen whole carloads permitted to stand and rot on side tracks while prices were kept up in the cities by the maintaining of an unnatural shortage.

"It might not seem quite so bad if there were any benefit to the consumer in the way of low prices; but the only one to benefit at all seems to have been the man who is neither producer nor consumer, the middleman.

"The middleman is necessary, under present marketing conditions. Attempts to deliver food produce direct from the farm to the consumer's kitchen have never been successful on a very large scale, or without considerable capital. But there is something terribly wrong with marketing conditions when good food lies rotting on the ground in one section while people are paying famine prices because of 'scarcity of supply' in another section."

Dr. Dearborn, in a lecture on eugenics at the Tufts Medical School, (Mass.) on the evening of October 21, 1913, said:

"Three children is an ideal family, biologically and rationally. Large families are a luxury. As long as every couple has two or three children I cannot see possibly why any government should ask any more than that.

"Our food supply is at present inadequate. It is lessening families with perfect sanction for so doing. The birth rate is continually diminishing and this is the only reason—the inadequate food supply."

At a meeting of the Mansfield (Mass.) Poultry, Pigeon and Pet Stock Association, held on the evening of October 17, 1913, President William S. Harris, addressing the association, said:

"It is high time that the poultrymen of this country should act and demand of the officials at Washington, why some action is not taken against that blood-sucking Grain Trust, which is sapping the life blood from our people for the sake of adding a few

more millions to their already ill-gotten gain.

"Grain elevators are placed at the base of supply all over the great grain belts, for the express purpose of regulating the supply, that high prices may be maintained, thus controlling the grain crops of our country and placing the farmers under their thumb.

"This is in restraint of trade and a direct violation of the law. With this trust 'busted,' grain prices would be governed by supply and demand. Practically all the necessities of life depend on grain, such as meat, bread, butter, wool, hides for shoes and many other things too numerous to mention. Why, then, do not the proper officials strike at the root of this nationwide song—"The High Cost of Living:""

The members of the Mansfield Association enthusiastically endorsed President Harris' speech and drew up a set of resolutions which were sent to President Woodrow Wilson, quoting Mr. Harris' remarks and praying that some immediate action be taken to relieve the great poultry industry of this country from the prevailing inflated grain prices.

Within the month Eastern farmers have been urged by the press to grow beef at home and housekeepers everywhere have been urged to stop eating veal and encourage production of beef in the east.

These things all tend to show that the public is beginning to sit up and take notice of "how the wind is blowing" that causes the high cost of living. They are not going to be content with being told that the trouble is due to "the cost of high living" and not to "high cost of living."

We believe that Dr. Dearborn is wrong in his statement that: "Our food supply is at present inadequate. It is undeveloped." The Boston Post editorial contains a truth that you can well afford to ponder over. What is to be done about it?

There is an abundance of food produced in this country to feed everybody and feed everybody well and at lower cost than it is done at present. Much of this food now goes to waste. Every year fruit, grain, and other foods are deliberately allowed to go to waste, because the producers are not permitted to get them into the market except at a loss.

We have a friend who is at the head of a farmer's cooperative association. This association made several attempts to get their produce into mar-

# Keeler's Wh. Wyandottes

## "THE WORLD'S GREATEST STRAIN"



FASHION PLATE II

**For twenty years I have been producing White Wyandottes that win**

—Winning in mine and my customer's hands in the hottest kind of competition: New York, Chicago, St. Louis, Pittsburgh, New Orleans, Indianapolis, Washington, D. C., Kansas City, Dallas, Texas, Los Angeles, Portland World's Fair, etc. My customers win. Stock hatched from my eggs and shipped from my yards has won in every section of this country as well as foreign lands including England, South Africa, New Zealand and Australia. The coming show season will be no exception, so let me sell you the birds that will land you among the winners. Get in line with the strain that produces a larger percent of SHOW BIRDS than any other.

### The World's Greatest Strain

In producing this grand show quality I have not lost sight of the Utility points and my birds are large, mature quick and lay from 200 to 265 eggs a year. I have succeeded in raising more good birds than ever and have for sale something like 150 cocks, 500 hens, 900 cockerels and 1,200 pullets. **Selected Breeders \$25, \$35 and \$50 a pen of 4 females and 1 male. CHOICE SHOW BIRDS \$50, \$75, \$100 and \$150 a pen.** Get in touch with me now for your November, December and January Show Birds. Stock conditioned, washed and fitted for your show without extra charge. Sixty-Page Art Catalogue of America's Finest White Wyandottes free for the asking. (5 red stamps for postage appreciated.) Please state your wants clearly and address

**Keelersville, Chas. V. Keeler, Prop. and Mgr., R. F. D. No. 11, Winamac, Ind.**



kets where there was scarcity. Railroad delays made one train shipment an entire loss. Another shipment was so manipulated that the producers did not get the cost of packing and lost the cost of the produce and the freight. You can't expect producers to get enthusiastic about marketing their crops under such conditions of loss.

Market manipulators and the railroads are responsible in a large measure for the high cost of living. There is something wickedly and radically wrong with the getting of foodstuffs from the producer to the consumer. In many cases the producer don't get a new dollar for an old one. Unless there is a change, and a big change, for the better in these conditions we expect to see something more than talk about "government ownership" in this country. If Uncle Sam owned the railroads and would take charge of marketing the real abundance of food that our fertile country produces, instead of letting big corporations do the work for the private gain of a few, the cost of living could be reasonable enough.

Eastern farmers have tried to grow veal calves into beef and they know that market conditions are such that they are forced to sell their beef at a loss. Cost of production considered they can't and don't get a fair price for their poultry and eggs except in few and rare cases.

Last winter when eggs were selling at 50 cents a dozen for new laid eggs and when the demand was fairly good in lower Plymouth County, the trade deliberately shut down on the supply of new laid eggs from a nearby farm and cancelled their orders. They bought a couple of car lots of cheap western refrigerator eggs and sold them to their trade at a price equal to "new laid" eggs prices and made a fatter profit. These eggs were displayed as the new laid eggs had been but were not labeled. In an out of the way place on the wall of the store hung the legend, "Cold Storage Goods Sold Here," but the customers didn't get the new laid eggs they paid for. Who's to blame?

In most places the producer has to take what he can get, unless he markets direct to the consumer. When the producer has to take a low price,

or have difficulty in marketing his product, and the customer has to pay a big price—what's the remedy? On most produce, including poultry and eggs, the collector and shipper has to make a profit, the jobber or commission man makes a profit, the wholesaler makes a profit, the retailer makes a profit and the railroads make their profits hauling the produce from place to place. With such an organization where do the poor producer and consumer come in?

Eggs and poultry produced on a Maine farm are shipped to a Boston, Mass., dealer and bring the fresh eastern goods prices. The railroad gets freight and the dealer his commission. Another dealer gets the goods and ships them back again to a Maine hotel, within a hundred miles of the farm that produced the eggs. Fine system, isn't it? How would you remedy it?

A Massachusetts poultry farm in an endeavor to get better prices on grain, (the price being excessive at local dealers) went to an elevator for supplies. The elevator could not get a better freight rate to the farm's railroad station than seven cents a hundred pounds in five ton to carload lots. The farm's station is only twelve miles from the grain elevator. Another station on the same railroad, twenty miles from the elevator and ten miles from the farm, has a special "milling privilege" on freight so that the elevator can ship there in like quantities for two cents a hundred pounds.

In certain sections grain on the South Shore costs from ten to thirty cents more per hundred pounds than the same quality of grain in certain sections of the North Shore, (both sections equally distant from Boston). Railroad rates and transfer charges make it impossible to get the cheaper North Shore supplies into the South Shore at any saving in cost of the grain. The South Shore man has to pay double the price of the North Shore man for shipments of eggs into Boston. On the North the railroad has to compete with independent local express companies, but on the South, in the locality we refer to, there is no such competition and the producer has

to put up with the high cost as best he can.

Isn't it about time that our Uncle Sam took a hand in this market game and made an effort to give both producer and consumer a chance? Isn't the food supply of the people a sufficiently important matter to be worth his careful consideration? The high cost of living keeps right on going up and when a small cut is made in the price of one item; a dozen others are boosted skyward and the cut in price don't stay cut for long.

Think it over and let your lawmakers know what you think about it. This is said to be a rich and prosperous country. It is for the few but not for the majority. Seventy-five percent of our wage earners in this country are getting wages that are not sufficient, under present day conditions, to enable an average family to live comfortable. Well, what are YOU going to do about it?

#### Dr. Woods' Notes and Comments.

Merry Christmas All!

Our readers are showing a great deal of interest in the day-old chick business. It is more than ever apparent that it would have been suicidal policy on the part of the American Poultry Association to adopt resolutions against the sale of baby chicks. The day-old chick business is here to stay.

One of our contemporaries, evidently "on the fence" in regard to the day-old-baby chick business and commenting on the tabling of the anti-day-old chick resolution at Atlantic City says: "During the discussion that followed it was plainly evident that notwithstanding the large amount of dissatisfaction that the day-old chick business has produced, it has strong advocates. During the past two seasons there has been a feeling among poultrymen that the day-old chick business was having a detrimental effect on the Standard-bred poultry business owing to the dissatisfaction resulting from long distance shipments and inferior quality of stock furnished by many who are engaged in the business on a large scale."



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Except in very rare instances this alleged "dissatisfaction" was not experienced by buyers of day-old chicks, and if any man made a fizzle of the day-old chick business because he failed to supply well hatched chicks or sold "inferior quality" stock, it will be a good thing for the industry for him to get dissatisfied and get out of the business. We don't want to see anybody hatching and selling day-old chicks, or selling eggs for hatching, unless they know their business and deliver good goods. We have not noted any "dissatisfaction" concerning day-old chicks and singularly enough we get hundreds of letters complaining about other branches of the poultry business. The only dissatisfaction we have observed has been on the part of those whose business has not been quite up to the mark the past few seasons and who are looking for something to blame it on instead of attributing it to their own shortsightedness. The

laggard is always growling at the march of progress. Why not brace up and try to keep up with the band?

That "anti" resolution was fathered in Indiana and had some support from the Pacific Coast, where some individuals, who didn't know the business, did not do well with it. If we judged all branches of business by the failures of the incompetents, what would happen? Think that over.

Harry K. Forbes, R. C. R. I. Red breeder, of Terre Haute, Indiana, writes: "I think the stand that A. P. J. is making on the day-old chick business is absolutely correct."

J. W. Parks, the bred-to-lay Barred Rock man, of Altoona, Pa., sent us a bunch of day-old chick testimonials of which the following from a Cleveland, Ohio, customer is too good to keep and should be read by the "dissatis-

fied" bunch: "You will remember that I purchased 25 day-old chicks from you last June. I have 19 of the 26 you sent me and they are doing remarkably well—in fact they all are good husky youngsters, well-marked and making rapid growth and I thank you for sending me more than my money's worth."

Late in October we called on Philip R. Park, of the Park and Pollard Co., Boston, Mass. This firm handles from 125,000 to 200,000 day-old-baby chicks annually. Most of these chicks are shipped into the Boston store from hatcheries and then out again to customers. Mr. Park said to us: "The day-old chick business is here to stay. It would be suicide for the A. P. A. to take a stand against it. Most customers are pleased with results and come back for more chicks season after season. Losses are small and unimportant. Complaints are very few, very much less than we used to experience in the eggs-for-hatching business."

Joseph Tolman, the Fresh-Air White Rock breeder, Rockland, Mass., writes: "I have been much interested in your article and editorial on the day-old chick question. You are right in every point. The men who argue against this most important branch of the poultry industry of today are very much mistaken. My seven years in shipping day-old chicks has proved to me beyond a doubt that this is the safest and best method for a poultryman to get a start in the business. My best satisfied customers are those who purchase day-old chicks and now, each year, nearly 90% of all my eggs go into my mammoth incubators and the sturdy little chicks are shipped to all parts of the eastern states. I do not advise shipping more than two days journey from the shipper's express office, although under some conditions you can ship farther with good success. Over 80% of my last season's day-old chick orders came from old customers. Can those who oppose this business say as much of their specialty?"

Looks like a "large amount of dissatisfaction" doesn't it when eighty percent of a big season's business comes from satisfied customers who send in repeat orders? There are a good many people who will tell you that the poultry business is a peculiar business and that many go in and few stay and most go out of the business after a very brief experience. Now, we don't believe that sort of thing for one minute. When the "hen-fever bug" once bites a man he is generally inoculated for life and he stays in the business if he has a chance, and we have known men to go back and win success after discouragement, failure and disappointment, that would seem enough to knock all notion of the business out of anybody. In all enterprises there are some men who do business on the assumption that "there is a new sucker born every minute" and they believe in "getting theirs when the getting is good." That is a shortsighted policy and when you find people doing a big business, but every year doing it mostly with new customers and very seldom with old ones, you cannot help wondering that they do not get the scales from their eyes and wake up to the fact that it pays

An Illustrated Book of the 20 Best Baby Chick Raisers in America.

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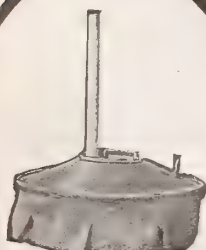
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Most successful poultrymen began hatching with small incubators, recognizing experience as the most profitable teacher. This 60-Egg Hatchalot incubator will start you right. It is not only an excellent hatcher but the best constructed incubator for the price on the market today. It is made of No. 1 Cypress. The boiler is large and is so constructed that it will heat the incubator under all ordinary climatic conditions. Its mild heat prevents evaporation of the moisture, so that all eggs with chicks in them will hatch, and every chick will be as large as the eggshell will allow.

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### FEEDING



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This Exerciser-Feeder is just what its name implies. It is a large hopper supported on four strong iron legs and devised to hold all the food necessary for poultry. In addition to the grain exerciser, it contains six other compartments for dry mash, beef scrap, charcoal, grit, oyster shell, etc. All are easily accessible to the fowls, and the feeder is so constructed that none of the food can be wasted. It eliminates all other feeding devices.

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to satisfy customers and keep them coming back for more. Some firms, we know of, that do a big business and borrow heavily from banks in order to keep their business going, might have made greater and more substantial success had they endeavored to satisfy and hold custom instead of always reaching out for new buyers and forgetting their customer's interests once they got his money. It doesn't pay to forget that honesty is the best policy, that it is best to deliver honest goods and honest values, and that a satisfied customer is the best advertising asset that any business man can have. For a long time the poultry business has been pretty well "up in the air," it is just beginning to settle solidly as a legitimate modern business on a substantial foundation. It will pay well if you get in right, go right, and stay right.

\* \* \*

We have noted a tendency on the part of some poultrymen, and others, to speak slightly of the "back-lotter" in the poultry business. It might be well to remember that some of our foremost fanciers have been "back-lotters." The men and women who keep a few fowls on a town or village lot are a great multitude and are worthy of much consideration. The "back-lotter" can usually keep poultry at the lowest cost for maintenance. Labor counts for little with him as he attends to his flock in odd hours for relaxation and pleasure. Back lot poultry keeping helps to develop the fancier and breeder instinct and many a man, who began with a few fowls on the home lot, to supply eggs for the family table, has developed into a breeder of "good ones" and a consistent winner in the show room. The "back-lotter" can produce eggs and poultry for his table at minimum cost. He is one of the biggest assets in the support of the many poultry supply houses all over the country. He is the prospective customer of the fancier and breeder who has eggs for hatching, breeding stock, or day-old chicks to sell. His name is legion among the subscribers to poultry magazines and he is certainly entitled to all honor and respect. We can't all be large plant owners and if poultry keeping were confined to large plants there would be a great falling off in public interest. The large plant is a commercial enterprise, whether it is conducted for fancy or utility purposes, and it don't do much toward creating fanciers and breeders, except as it helps as an incentive to those who aspire to some day become large plant proprietors. Encourage the "back-lotter" and help him all you can to become a successful poultryman. May the tribe of "back-lotters" continue to increase, the more we have of them the better. Back lot poultry keeping is one great help toward lowering the high cost of living.

\* \* \*

We have received a copy of a new book entitled: "Margaret Mahaney Talks About Turkeys," published by the Park & Pollard Co., Boston, Mass., at one dollar per copy. It contains the interesting personal experience of a skillful New England woman who has been very successful rearing good sized flocks of turkeys in a section where turkey raising seemed to be becoming a lost art. It is well printed and illustrated. Old friends among sub-

scribers may recall that we published an account of Miss Margaret Mahaney's turkey raising in A. P. J. for May, 1911.

\* \* \*

Congratulations to Editors W. B. Atherton and J. H. Drevenstedt on the change of name of the old American Stock Keeper. With the issue of November 1, 1913, this well known weekly journal becomes, and will be hereafter known as AMERICAN FANCIER and Stock Keeper. It takes this distinctive and most appropriate name from the original and once so well known weekly publication of which J. H. Drevenstedt was editor for many years and we are sure it has been a sore point with "Drev." for some time to have the name of the old American Fancier dropped from among poultry publications. We know that "Drev." is pleased to have the American Fancier once more in the field.

The policy of this weekly publication is well expressed in the following quotation from one of their November editorials: "This paper has always been a fancier's paper and will be run on fancier lines in the future, giving reports of shows fearlessly and publishing full lists of awards whether the winners are advertisers or no. We trust that the fanciers of America appreciate this fact and that they will aid the American Fancier and Stock Keeper in its efforts to make the American Fancier stronger and better as the years roll by." We note that the American Fancier and Stock Keeper is to celebrate its twenty-fifth birthday on January 1, 1914. May the "Fancier" and its able editors live long and prosper.

\* \* \*

Massachusetts Agricultural College is to be congratulated on the progressive work it is doing for poultry hus-

## WHITE PLYMOUTH ROCKS

A grand lot of young stock for sale.

F. L. DEER,

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FRANKLIN, IND.

## New 1914 FREE Poultry Book

**and Catalogue** THIS NEW BOOK is written personally by ROBERT ESSEX who in several chapters tells of things he has learned during his **Quarter Century with Poultry**, such as—How to Start Right—How to Make Money with Standard-breds and Show-birds—How to Get More Profit from Farm Hens, etc., also shows 27 different styles of Poultry Houses on Experiment Stations, suited for winter and summer use in every climate, with cost to build. This book contains free information that is invaluable. In it of course he describes and illustrates

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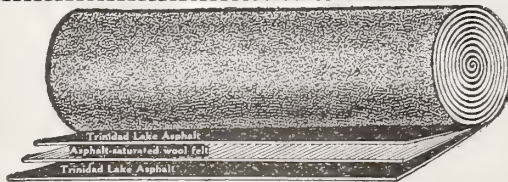


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bandry. In September it issued a free bulletin for farmers and poultrymen of the state on "Poultry Hygiene" by Prof. J. C. Graham, covering description and treatment of colds and roup. Timely and practical bulletins of this sort are much needed and we cannot have too many of them. The way to get rid of poultry diseases is to educate the poultry keepers and help them to stamp out disease in their flocks. There has been some agitation for legislation on poultry diseases but we do not believe the time is ripe for it. Nowadays there seems to be a craze for legislation and still more legislation, though, as everybody should know, the shelves of our state libraries are groaning under the weight of tons of leather bound laws that are inoperative or ineffective. The less legislation we have concerning poultry diseases the better and the more simple the law is when it comes, the better. You can't legislate diseases out of existence but you can educate the public so that disease will be prevented and stamped out. More power to "Mass. Aggie." and may the good work continue. We would like to see the American Poultry Association issuing helpful practical free bulletins, or bulletins at publication cost, instead of "riding a free horse to death" on the backs of its members with so much committee work intended for use in copyrighted books for sale for profit. If we all really want "better poultry and more of it," we can get it more quickly by turning more attention to the dissemination of practical free instruction in poultry husbandry. Encourage the making of poultrymen, fanciers, breeders and strictly utility men. Make it easier to get helpful and unbiased information on poultry subjects. Help men and women to get into the poultry business and, after they are in, help them to STAY IN and MAKE A SUCCESS OF IT.

Be sure to read Lester L. Sargent's department on "Recent Inventions for Poultrymen." The patents granted in October were unusually interesting. A surprisingly large number of patents are granted each month on devices for use of poultry keepers and these represent work for progress on the part of earnest poultry workers all over the country. This department began in September A. P. J. Review this department and note the many inventions. It will help you to a better understanding of the great interest that is taken in poultry husbandry in this country. Only the most important and interesting inventions are given space.

Charles L. Burr of Springfield, Mass.,

sends us the following interesting account of experience with hatching eggs imported from England: "On January 28 I sent an order to England for White Leghorn eggs for hatching. The eggs arrived on March 5. There were 40 eggs in a box packed with marsh hay. Each egg was carefully wrapped in hay and there was padding of hay on top, bottom and sides of the box. None of the eggs were broken but there was one that had a little crack in it and I did not set that one. On the 6th of March I set the first hen on part of the eggs. On the 8th I set another hen, but it was twelve days before I could get another hen to cover the last sitting of eggs. The weather was so cold that I set the hens in my house cellar. Out of the 39 eggs I hatched 16 chickens and all of them lived to grow up. There are 12 cockerels and 4 pullets. One of the pullets began laying September 21 and laid five eggs in September and twenty-four eggs in October. Another of the pullets began to lay October 13 and laid ten eggs that month. The other two were not laying November 1. Their food for October was cracked corn mostly. The cockerels have been out of doors night and day, rain or shine and are strong and full of vigor. The express charges on the hatching eggs was \$4.45 and with the cost of eggs would make the sixteen birds cost me \$16 besides the cost of their food. The cost of such birds to import would be \$25 each and I think they would be cheap at the price. I sold two of the cockerels for \$25 each and am very well pleased with my venture in importing eggs for hatching."

We extend thanks and acknowledgment to all who have so kindly sent in answers to our "Fancier's Symposium." The courtesy and the evident friendly effort to furnish accurate information is much appreciated. We hope to have this matter in shape for publication soon. In the meantime there are still quite a few fanciers who have failed to fill out and send in the answers. We would like to have your answers soon. Won't you please send them NOW.

As an example of how the express companies gouge the public our recent experience is interesting. There are two Silver Lakes in Massachusetts, about sixty miles apart. Only one has a post office, that is our Silver Lake and our railroad station is Plympton, in Plymouth County, Mass. The other Silver Lake is only a railroad station and express office in Middlesex County. We ordered a book from New York City and same was sent express pre-

paid, costing 40 cents. Through error in shipping and confusion of addresses the book was sent to "Silver Lake, Mass." It took three weeks of tracing to get delivery of the book at our station and we had to pay 55 cents express charges, collect, from Silver Lake, Mass., to our station Plympton, or more than the original prepaid charges from New York City. If that isn't robbery what do you call it? It is a pity Uncle Sam does not carry books by parcel post.

Elbert Hubbard, in the American Sunday Monthly Magazine, cussing and discussing the man who rubber stamps on his letters the words: "Dictated but Not Read," says:

"If you dictate a letter it is your duty to re-read it, and correct any possible errors before the letter is mailed."

"Dictated but not read" is one degree worse than that ancient epistolary wheeze, "Thanking you in advance."

"The man who writes, 'Thanking you in advance,' will probably enclose a two-cent stamp, which he thinks forces on you the necessity of answering his letter. He is the individual who wants something for nothing."

"Imagine a fond lover, of the Nineteen Hundred Thirteen model, making a proposition of marriage, putting the proposition thus: 'I love you dearly and await your kind reply to the proposal herein contained. Thanking you in advance, I remain, etc.'"

"Then he takes his trusty stamp and in red ink places on the sheet. 'Dictated but not read.'"

All coons like chickens. A newspaper dispatch from New Jersey tells of a farmer who lost sixty chickens in thirty days by raccoons. The raccoons were tracked home and killed and four young raccoons were captured alive.

It is possible to, for one or more seasons, increase productiveness in poultry by what amounts to abuse or an attack on constitutional vigor. It is practically an analogous process to that employed by the orchardist who severely prunes or partially girdles an obstinate tree to make it fruit. But, does it pay with poultry? Would it not be better to strive continually for the best in constitutional vigor and be content with a slightly lower egg yield. A sound, healthy, vigorous hen will usually be a good layer. Under favorable conditions she may be an exceptional layer. Some vigorous hens are naturally so prolific that they will lay themselves out of condition unless especially well cared for. Others seem to have the ability to check their egg laying at will or on any slackening of the food supply. We believe that the man who continuously strives for the best in constitutional vigor will have the best average production in the long run.

The Massachusetts State Board of Health has been doing commendable

## Brinkley's White Plymouth Rocks

"THE BEST IN THE SOUTH"

Won 29 out of 30 prizes at Memphis, including \$100 Sweepstakes and best Hen in the show. Four out of five Firsts at Little Rock, including Champion Cock and Hen. Four out of five Firsts at Jackson, Miss., including Champion Cockerel and Pullet.

We are booking orders for eggs now. Prices \$3.00 to \$15.00 per Setting. Stock a matter of correspondence.

W. J. BRINKLEY, Owner Box A, IUKA, MISS: J. H. SLEDD, Superintendent



work all over the state prosecuting dealers who are violating the new law concerning sale of storage eggs. Inspectors are visiting every store where eggs are sold in every city and town in the state. During the week ending November 8, thirteen dealers were convicted and fined for fraudulently selling cold storage eggs as fresh eggs at the fresh egg price. Sixteen more dealers were summoned to court to answer charges of violating the law. This is good work. Last winter, when the price of eggs went up, a good many carloads of cold storage eggs were foisted upon the public as fresh eggs at fresh egg prices.

Our pure food laws and the application of them still leave much to be desired. Foods are still abundantly doped with poisons to preserve or color them and are otherwise adulterated. Buyers will do well to inspect labels carefully and to be sure to read the fine type or partially hidden portions of the label. The words "Guaranteed by the John Doe Co., under the food and drugs act, June 30, 1906, serial number 0000" don't mean that Uncle Sam in any way guarantees the purity or quality. This guaranty deceives a good many people. It means only that the manufacturer has filed with the Government at Washington a statement to the effect that his goods are as represented by his labels and that he has received a serial number of registration for his product. It does not mean anything more. Any man who will dope and adulterate food stuff is sufficiently mean and dishonorable to lie about it. Don't forget that. He will take a good many chances of being caught and convicted, because he knows that the chances of conviction are remote and that the laws are so loosely drawn that a clever lawyer can find a lot of loopholes for him to crawl out of.

At the present time it is almost impossible to buy meats in city markets, and particularly in small town markets, that are not doped with poisonous chemical preservatives. To buy Hamburg steak, store prepared, is an almost certain way to poison yourself and family and make a bad job for the family doctor. There's a good remedy. Eat less beef and less pork. Eat more poultry and eggs. Grow more foodstuffs at home and when you must buy food, buy carefully and insist on good, sweet, fresh, reliable goods. Produce more eggs and poultry at home for your family table or buy of some neighbor you know can supply the best. If ordinary care is observed, home grown food is the best and safest food and there is nothing better than home raised poultry and eggs. Make yourself as independent of the food dopers as you can.

On closing the copy for this issue we complete our third year as editorial writer and managing editor of American Poultry Journal. These have been three short and very pleasant years. At the close of the first year we expressed our enjoyment of the privilege of working on A. P. J. staff and commented on the absence of petty jealousy and bickering. At that time we said: "American Poultry Journal workers pull together, work one with the others, one for all, and all for the A. P. J. It is the efficient coopera-

tion, team work, of the staff of A. P. J. that makes this magazine lead where others follow." That was true then, has been true throughout our entire term with A. P. J. and it is true today. We have all had to work hard and we've had a mighty good time doing it. It is a great pleasure to us to look back upon the harmony and many pleasant happenings of the past three years and it is a still greater pleasure to look forward to continued work with our fellow members of the American Poultry Journal Staff. Our work, the efficient team work of the entire staff, and the kindly helpful cooperation of our big A. P. J. Family of Readers has been a never failing source of inspiration and happiness. To all our friends we extend our sincere best wishes for the Christmas season, now at hand, and may you all live long and prosper.

### The Big Boston Show.

Secretary W. B. Atherton believes that the Mechanics Building, Boston, Mass., will house the greatest poultry show ever held in America January 13 to 17, 1914. The premium list and details can be had by writing him at 30 Broad Street, Boston, Mass.

Big entries are expected from the West and South and the North and East will be well represented, as al-

ways. Canadian birds made a big hit at the last show and will undoubtedly be out in force this season.

It will be a quality show all through and all specimens will be displayed in a manner to show them off to best advantage. There will positively be no double tiering of exhibition cages. All specimens will be shown in good light and on level where easily viewed by all visitors.

Utility exhibits are expected to be a most interesting feature of this show and it is hoped that agricultural colleges will make an effort to present interesting educational exhibits. Five hundred dollars in cash is offered in prizes in dressed poultry and egg classes. Special classes will be provided for live fowls bred especially for market purposes.

As the Boston Show is always a quality show, and particularly a fancier's show, the opportunity for contrasting bred-to-Standard and bred-for-utility birds will be an unusual one.

"Billy" Atherton is one of the most popular big show managers in this country and you should not miss the opportunity to visit the "Hub" this week and make his acquaintance. There will be the usual annual banquet to exhibitors and friends and the regular yearly meeting of veteran fanciers. Don't miss this show.

## THE WORLD'S BEST WYANDOTTES

SILVER, GOLDEN AND WHITES. We have the finest lot of both old and young birds that we have ever offered, at bargain prices, 2,000 head to select from, many grand show cocks. Let me know your wants in anything from utility to the finest show birds. My Wyandottes have won more than 300 premiums at Madison Square Garden, New York, and have been winners at all the large shows of America. I have line bred them for 30 years and you get the benefit of this fine blood when you buy a Keller Wyandotte. Also the very finest narrow laced GOLDEN SEBRIGHT BANTAMS. Large circular free.

Brookside Farms, Ira C. Keller, Box 75, Prospect, Ohio

## Rose Comb Rhode Island Reds of Highest Quality

Our young birds this season are the best we ever raised

We have several hundred to pick from and can suit you in either exhibition or choice breeding stock. Many of them raised from our CHICAGO, INDIANAPOLIS, LOUISVILLE and STATE FAIR WINNERS. On approval always. Write us your wants.

Longfield Poultry Farm, Box 321, Bluffton, Indiana

## S. C. WHITE ORPINGTONS

Won at Illinois State Show, Springfield, Illinois January, 1913

Won at Decatur, Illinois, January, 1913 1500 Birds in Show

1st Cockerel; 1st Pullet; 2nd Cock

1st, 3rd Cockerel; 1st Pen; 3rd Cock

The only White Orpington exhibitor winning two blue ribbons in either of these great shows. Some high class stuff for sale at reasonable prices, and on an absolute guarantee. Mention American Poultry Journal.

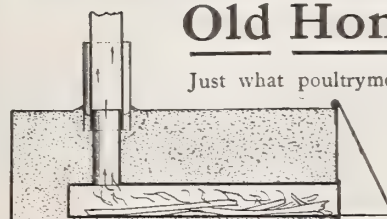
T. A. SCOTT, BETHANY, ILLINOIS



## Old Honesty Hatchery

OUR ELEVENTH SEASON - Day-old chicks for sale. Sixteen leading market and egg laying varieties, also strictly utility and show birds. Catalogue free. Prompt replies. Prompt shipment. Mention American Poultry Journal when writing.

G. H. Kichline, Prop., Dept. A, New Washington, O.



## Old Honesty Heater Co.

Just what poultrymen were looking for this long time. A new invention to get Winter eggs and raise chicks successfully. Patent granted March 26, 1913. Write for circular (free). Tells you all about it.

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### Why English Stock Has a Special Value.

**T**HAT English stock in almost every breed is valued by breeders all over the world is an undisputed fact, and one of England's greatest export trades is centered around the yards throughout the country where the best cattle, sheep, horses, ponies, poultry and dogs are produced.

In a large range of animals and birds, if inquiries are made, it will be found that some of the greatest studs in existence throughout the world today owe their position at the front in part to foundation stock brought over from England; and in the exhibition world many a breeder imports winners year after year from that country. England produces the size and bone which makes an additional value at the moment of judging.

One of the main factors in the success of the English breeders lies in the climate. Few parts of America enjoy such favorable conditions in this respect. In many parts of England snow is almost unknown, chickens are hatched very largely in January, and run about free in the open from the first, seldom having to be confined for snow for more than three to ten days during the entire winter, and never having to be reared in confinement owing to cold, and as a result the chickens are well grown when spring comes, and just as the frame and bone are developing from the chicken stage to form to mature cockerel or pullet, the cool, fresh, sunshiny days are all that is needed plus good food and management to produce the fine exhibition stock. By the time the hot weather sets in the birds are over the critical stage without a check in growth, and the whole art of growing a perfect show specimen lies in the ability to keep the

animal and bird growing from start to finish without a single stop. How frequently one hears a breeder deplore the fact that his young stock is at a standstill, does not seem to grow or condition properly, and seldom where you hear that do you find a winner in young stock classes.

The same facts apply very largely to the rearing of all animals, and although many farmers arrange that the young stock does not arrive until the coldest weather is over, yet the brood stock has had to face the intense conditions of severe winter and has not the same vitality, and consequently is unable to give its young such a good start in life as brood stock kept under more favorable conditions. Again, before the young are fully established, and just at the period when pleasant days and luxuriant grass is one of the greatest factors to proper growth and development, intense heat sets in, grass dries and loses a large per cent of its nourishment, so much needed at that age, so that again conditions are all against success, and frequently the best results of breeding are never attained until the animal or bird has passed the yearling stage or is well past maturity.

In countries where heat and cold are excessive, it is often noticed that size decreases and although when stock is thoroughly acclimated, the health and vigor and reproductiveness may be all that is desired for a time, a lower standard of size and weight becomes the average for that country's stock and in time the reproductive organs do not give the same returns as those ani-

mals and birds bred under more temperate conditions.

Take for example the White Leghorn and the White Wyandotte, breeds that have been bred in America for many years with very little importation from abroad. To the English eye the American White Leghorn, as found on these enormous egg laying plants, appears almost a bantam compared with the average Leghorn in England, while recent egg laying competitions have proved the English bird ahead of the American in egg production, and in order to pull up size and productiveness large quantities of stock birds are being imported this year.

Here and there we meet the breeder who is able to produce breeding stock to beat England's best, but they are few and far between and as a rule even they admit the use of frequent importations.

With all grass eating animals, no doubt the English luxuriant herbage plays a big part, since all the year around our grass is green. Few indeed are the summers when drought affects us to any considerable extent, and I shall never forget on my first trip to America how greatly I was struck by the brown color of the country, looking in vain for the refreshing green fields I was accustomed to from birth.

Another factor in the reason why the average English stock seems in advance is that English breeders as a rule do not go in for breeding on the immense scale of breeders abroad. On a poultry farm in America you will find thousands, where in England you will scarcely find hundreds. This gives the operator more time for individual attention, greater care is bestowed on continually keeping the stock free from all insect pests. Animals and birds can be divided up and grown under better conditions, giving to each more room and a larger

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Our birds have been the largest New York Madison Square Garden winners for the past five years, a record never equaled by any other breeder or importer. Our customers have just as remarkable records in other shows. Get in line for some stock from a consistent winning and line bred strain.

The best in America.

Show birds, cockerels and pullets ready to win at fairs, Fall and Winter shows, bred exclusively from our New York champions, also yearling cocks and hens shipped on approval, satisfaction guaranteed, at prices from \$15 to \$50. Write for catalogue. Mention American Poultry Journal.

**Foxhurst Farm      Lime Rock, Connecticut**





share of the best foods, and in poultry especially, better housing conditions with more air, and even a plant if grown under the proper conditions of air, light and individual attention will excel the plant grown in stuffy, confined quarters, and so exactly it will prove with bird or beast.

But the last factor, and the one that to my mind has most effect on the general class of stock bred in any country is the system of judging. This is a subject very difficult, nay, almost impossible to deal with as a whole, when covering all classes of stock, and yet the same principle can frequently be seen running from end to end of the judging bench of a country.

From time immemorial the best English judges have stood first and always for the type while the American judge pays a great deal more attention to detail. Type after all is the fundamental thing that determines a breed. To take for example: an Orpington is not an Orpington because it has a single evenly serrated comb free from side sprigs, many other breeds having this point in common; it is the shape of the body, i. e., the type, that designates the breed, yet the American judge will disqualify an Orpington for a sprig on comb, or stub on leg and give the blue ribbon to a bird far from the true Orpington ideal that has perfect color and detail. An English judge gets to work from the opposite basis. He starts down his pens crossing out every bird that fails in type, and from those with good type he selects the best of these with good all around color and detail, but always giving preference to type.

We find the same demand for type ahead of detail and color in the kennel world, instance after instance being forthcoming of magnificent typed winning dogs being set back on landing in American for defects in detail or color. The English theory has always been, first establish the type. A country must aim for and insist on it, and when that is established detail can be added; first build the frame and then put in the furniture. The American breeder, however, puts his furniture in place first and builds his framework around it after. Worried with the knowledge that certain faults in detail will disqualify, he sacrifices the type. The English breeder realizing that type only will secure him the blue, must have type in his breeding stock whatever other faults he has to accept at the price and so establishes the sound practical basis to work from that today gives England her lead.

To the man then, who would breed the best, plenty of individual attention must be given to each item along lines of proper development of his flock, the best food conditions and the most temperate climate he can select will help him most on the road to success, and if circumstances ordain that his work must be carried out under less favorable conditions, then he can assist nature largely by importing breeding stock, reared and matured under the best conditions, and which carry accentuated, the points he finds most difficult to produce, and thus keep moving forward.

The cost and trouble of importation has now been reduced to a minimum, many large firms making it their business to handle only the importing and exporting of live stock and the best results are frequently obtained by deal-

ing with those who have an intimate knowledge of the condition just quoted in the judging rings of both countries. An International Standard, alas, is an ideal not likely to be realized or take definite shape in our lifetime for not only have we the varying characteristics of different nationalities to contend with but also the widely different demand made on stock by the different conditions and climates, and so it falls to

each importer to seek out those that know his special needs and requirements. Under such auspices and providing a well known reliable firm is chosen, he is hardly likely to be disappointed since such firms have names and reputations to keep up and cannot afford to risk adverse criticism justly deserved, and should the stock not fulfill all that was expected will usually promptly arrange an exchange.



**THIS IS THE ALUMINUM "CONVENIENT" LEG BAND**  
Note the strong, secure fastener, so simple and complete—the number is not stamped in, but raised OUT—plain, readable—can't get full of dirt. Reaches you already bent in shape ready to put on—12 bands 20c; 30 for 45c; 60 for 75c; 100 for \$1.00. Sample Free—  
**H. O. SHAW, Box 103, GRINNELL, IOWA**

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You needn't pay one penny for this bone cutter until you try it and it satisfies you. Feeding green bone is one of the first steps to gain a big egg yield. But the bone must be cut right. The Dandy Green Bone Cutter cuts across the grain of the bone, enabling the hen to digest the nutritive elements better and convert same into eggs, blood, feathers. Our terms on the Dandy Bone Cutter are

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The Dandy costs less than most bone cutters and it works infinitely better. Also cuts meat, vegetables, roots, etc. To ensure big sales this year we have made special reduction in prices. Write quickly for free booklet. Prices are liable to rise next month, owing to big demand for raw material.

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keeping your laying hens is worth big money to you. Send for your copy today and learn how to keep your hens in the most profitable way known. It will tell you how to get plenty of winter eggs, save over one-fifth your feed, and save almost all the time you now have to put in at feeding and watering your hens.

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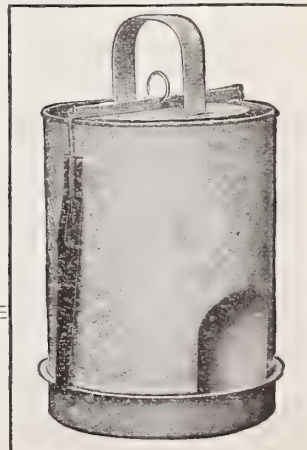
Learn about the only satisfactory method of feeding and watering hens in five minutes per hen.

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This non-freezing, top-filling sanitary fountain is one of our famous labor-savers. Let us tell you about it.





# Notes from the Southwest

Conducted by H. H. Stoddard, Riviera, Texas

## USES OF COLORS.

**I**N rearing chickens under hens, the latter to occupy separate coops with their broods, it has been realized at this experimental ranch more than ever, as rows of coops grow longer, that it is a great saving of travel to have the coops as close together as is feasible.

Dire results follow from small chicks getting into the wrong pen. It work well to take off quite a number of hens at the same time so as to have a lot of chicks of the same age near each other. If fifteen, or whatever number you prefer, are put in each brood you want to find them all in their appropriate coops when you come to shut them in at night. The strays are sometimes scalped remorselessly by a cross hen. Having the chicks all colored absolutely alike when given to the hens prevents a vicious mother from depredations, but there may be another trouble. During the first few days of the chick's lives, before they get the "hang of the new school house," they are sometimes confused and attracted by the hen which, as often happens, clucks the

loudest and most constantly. If one hen gets too many they may be brooded badly of a chilly night, and this means disaster dire.

While attempting to save steps in attendance, to locate the coops as closely together as proper, but not too closely, calls for careful experiment. Two to a rod is generally safe and sane, but by having the mother hens colored unlike, and the doors of the coops painted divers colors, they may be put still nearer. Our policy has changed on this breed and color question as concerns the stock for sitting, just as it is being constantly modified in many other details. There seems to be no end of learning new wrinkles if large numbers of birds are to be dealt with, though poultry keeping on a small scale is so exceedingly simple that the endless, meaningless and contradictory gab about it in farm papers is superlatively ridiculous.

We thought for awhile that a solid colored breed, Wyandottes or White Plymouth Rocks perhaps, would be the best for sitting purposes. Supposedly there should be about one hundred of

some sitting breed for every one thousand White Leghorns. The advantage of a uniform color in this breed is that when superfluous cockerels or old hens are ready to turn off they look so much better in the shipping crate if they are of uniform plumage, combs and color of legs. Appearance has important value in marketing anything and everything.

But we have undergone a change of heart and are now crossing to secure a variety of colors especially black, white and yellowish red; those three being the strongly contrasted colors easiest to produce.

Now the ability of the mother hens to detect a chick of even a slightly different color from her own is matched by the ability of a chick a few days old to notice that a differently colored hen is not its own mother, and on seeing such a strange personage looming up before its timid infantile vision it will commonly hie back to its proper home unless sadly confused, which will be seldom, the coop doors severally of red, white, blue, etc., assisting its per-

## We Lead—Others Follow

Summer and forced sales out of season are as common as the summer sun, but a

**DECEMBER SALE** of pure bred, line bred foundation stock at **BARGAIN PRICES** is something that should appeal to all lovers of pure bred stock. We are going to offer some

**Rare Breeding Stock from our famous prize winning**

## "World's Best Strain" of White Wyandottes

right at the season all breeders need them, either to build up their flocks or to start a new flock. The choicest blood line known, and at prices unheard of at the beginning of the breeding season, is our offering.

### NOTE OUR DECEMBER BARGAINS

**100 Cockerels**, all around good breeders, intended to sell at \$10, must go at \$5 each.

**200 utility Cockerels**, worth twice the money asked, will close them out at \$3 each.

**100 laying hens**, lay when eggs are worth the most, sale price \$2 each.

**50 Cockerels**, pure bred white birds, extra good in shape. In fact, fit to trot out in the best shows. Will sell at \$10 ea.



**50 Pullets**, intended to sell at \$4, will take \$2 each.

**25 Yearling Cock birds**, ones we carried over as extra males last breeding season, great bargains, \$3 to \$10 each.

**50 Pullets**, line bred, extra fine, some top notchers. Will let them go at \$5 ea.

**50 Pullets**, fine in shape and color, good breeders. Now selling at only \$4 each.

**25 Utility Pens**, one male and four females, heavy layers, good breeders \$17.50

If you have a weak place in your string of show birds and need a cock, cockerel, hen or pullet, write us. We are ready and able to fit you out with stock that will win in any competition and at prices very reasonable, quality considered.

Send us twenty-five cents, stamps or coin, for our elaborate catalog, the most valuable book ever issued, covering all phases of the poultry business.

**J. C. FISHEL & SON, Box J, HOPE, INDIANA**



ceptions, wonderfully acute for so small a creature.

Colors also play a prominent part in the duplicate method of natural hatching—but that is another story. The ready recognition of color which various species of animals have is not appreciated by most persons. The bees do not mix matters. If they are gathering pollen or honey from yellow flowers they stick to yellow, thus facilitating fertilization and providing sustenance by means of vegetation unsworn, for bees of generations ungrown. If they begin on a pink flowered plant they stick to pink. The flowers needing the visits of insects for fertilization are of brilliant hue to attract the saviors of their race, while those fertilized by the wind and those self fertilized are commonly inconspicuous. It is in the bird family, however, that the most notable examples of color appreciation are found. The gorgeous plumage tints on the males of certain species at the breeding season, to attract the females, and disappearing after the next moult, tell a wonderful story. To add to the marvel of the colors themselves, the habit of ruffling or otherwise displaying the particularly brilliant parts of the plumage at the breeding season, shows how sedulously nature strives to maintain the race. "So careful of the type she seems; so careless of the single life," while at the same time proving that birds as well as ourselves distinguish color.

And, by the way when through the wiles of man some breeds descended from wild Gallus Bankiva have been deprived of the elegant ancestral red of the male, no feature is more readily reinstated in a breed, no matter how completely destitute of it now. Cross Barred Plymouth Rock hens with White Wyandotte cock, and presto! Back comes pure gold on hackles of pullet progeny. Nature reserves that favorite badge, in a latent or "recessional" form, for many generations and will not let it die out, as if remembering the long ages in which it did important service in preserving the race.

#### Skinner System.

Not some new alleged "system" of rearing fowls. None of that for the already oversuffering poultry public. Hope ahead. The Skinner system refers to a mode of irrigation. It is capable of helping in furnishing green stuff at the north, middle and farthest south of the Republic. The inventor made a sprinkler to deliver a fine spray of water through minute orifices under a good head of pressure to same effect as the familiar lawn sprinkler; only instead of rotating arms there are straight rotating pipes with a great plenty of the smallest holes a drill could make. (These pipes are rods in length and placed horizontally at, say 30 or 40 feet apart and overhead at a height sufficient for a topped carriage, or a tall man or a tall horse, to pass under. Warm water can be used, if desired, in cold weather to make the grass grow faster, and cold water in warm weather to make it fresh, cool and crisp before being cut.

A decoction of liquid fertilizer, settled and strained, can be added to the water if desired. It goes without saying that the pressure must be quite strong so that the delivery may be such that some pipes of the series may not rob the others.

It is the most efficient manner of ir-

rigation known to date for lawn grass, however, serviceable underground irrigation by porous tile or the usual surface irrigation by trenches may be for fruits and vegetables.

The saving of labor by this method is its chief advantage. Just touch the button. I prophesy a great run for this invention in supplying fowls with lawn clippings. There is this about it. In an arid or semi-arid region and even where usually there is plenty of rain by averages, still there are sometimes dry spells. You see, if you are relying on clippings and if rain fails, as will surely be the case sometimes, and the grass grows very slowly or not at all, this Skinner System will insure you green stuff. You can secure it during five or six months at the north and eight or nine months and sometimes twelve months in the Southwest.

The great drawback to rape, curly mustard, kale, beets and all that sort of truck, is that the stuff must not only be cut and hauled but must be chopped into short lengths, an engine and special chopping machine being used. Now note the labor saving. Your rape or whatever must be sown in drills and perseveringly cultivated in the first place. Your lawn needs no plowing, sowing and harrowing every season, and no cultivating or hoeing, and if you cut often enough, this point being very important, the grass will be so short as to need no chopping afterward. Go ahead with your horse lawn mower, or better yet with your auto lawn mower, with catcher attached, and there you are. The stuff all minced ready for feeding, this to be done three or four times a day, so as to have no wilted food.

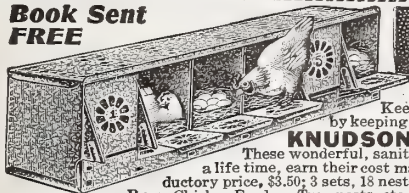
Water melons and root crops, beets for instance, can be given either whole or simply cut in halves and there is very little trouble. But beet tops, rape and all the more "branchy" things cannot be economically fed except by being first minced to a proper fineness. True the wire basket suspended between heaven and earth like

Mahomet's coffin is better than nothing for cabbage, apples, potatoes and some other vegetables, to prevent waste, but there will be some dragging in the dirt of broken-off pieces, and it is not agreeable to the birds to peck at things so hard as raw beets and potatoes. Am satisfied that they will not eat all they ought to have for two reasons. They are not only in some cases tired by the hard work but it is not generally feasible to put out enough beets or such like if of considerable size, at one time so that all can have a chance. The strongest of the flock get the most.

One method of feeding leafy things like rape is simply to throw them on the ground and let the fowls take the thin parts and leave the stems. But this is not good at all. Too much waste after all the labor of raising rape, beet tops, curly mustard and such like, and harvesting and carrying same. The best part of the great, fresh succulent rape leaves, namely the stems of ribs, is ten or fifteen times as much by weight as the light, thin web part and the ribs they will not eat to amount to much unless they are chopped.

To get rid of chopping, and still enable the fowls to pick leafy green stuff to pieces without waste, I have fussed considerably over devices to hold it in place that would be improvements over the wire basket. A sort of clamp made by a board, set on edge on the ground, on which the leaves and stalks were put, and then another heavily weighted board arranged to drop down edgewise upon the mass directly over the edge of the first board, does pretty good service, but there are two objections. One is that to arrange the stuff so evenly that the clamp will "bite" and hold all the mass and the fowls not pull it out, and then adjust the upper board, and later take away the uneaten fag ends takes too much time. The winner in commercial poultry as I have said ten thousand times or less, is the one who, other things being equal, saves time. The other

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## Millions of Chickens and Pigeons

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die each year because their owners do not notice first symptoms. I can show anyone in five minutes how to tell at a glance, when feeding or tending the flock, whether there is anything wrong and just what to do to remedy it right at the start when cures are easy.

The watery eye, dirty beak, discolored comb, condition of the droppings, tell the story at a glance before the chicken really acts sick. A penny spent then is worth a dollar spent later. You can easily tell whether a chicken is being run down by lice or mites; whether roup, canker or bronchitis is starting and just what to do to effect a cure.

I have made a special study for twenty-five years of poultry and pet stock troubles—how to diagnose quickly and how to apply the easiest and surest remedy. I want to show each reader of this how to raise more and better chickens, keeping them healthy, active and productive. Every additional thousand chickens in the country helps the sale of Lee's Lice Killer, Lee's Insect Powder, Lee's Egg Maker and Germozone, which are sold at more than 10,000 towns in the United States and Canada. I will send free our Poultry Book and our pamphlets, "Pointers for the Amateur" and "Diagnosis of Diseases of Poultry and Pet Stock" and also answer any special inquiries free of charge.

Lee's Lice Killer is the wonderful insecticide that you have only to paint or spray on the perches or roosting places of chickens, pigeons or any birds to get rid of insect pests. No dusting, dipping, greasing or handling of individual birds.

Germozone is Antiseptic, Germicide, Fungicide; the most widely popular remedy for Poultry, Pigeons, Dogs, Pet Animals and Singing Birds. Its use is indicated in a large majority of affections of the eyes, nostrils, mouth, throat, skin, crop and bowels.

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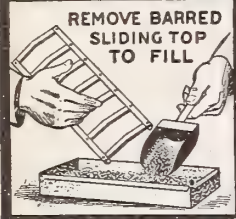
You simply push it together to lock it and it can only be removed by destroying the band. Every band has its own raised or embossed number.

12 Bands, any size 15c  
Liberal Discount on Quantities

EASILY ADJUSTED WITH THE FINGERS AND IT IS THEN ON TO STAY



## MOE'S SANITARY FEEDING TROUGH



Can be used for feed, wet mash or water.

Made in three sizes:

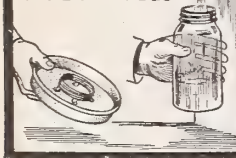
No. 21, 12 inches long 25c  
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WHEN REPLACED CHICKENS CAN NOT WASTE THE FEED



## MOE'S FOUNTAIN OR FEEDER TO FIT MASON JARS

UNSCREW JAR TO FILL WITH WATER OR FEED



It will fit pint, quart or half-gallon Mason jars. Convenient, cheap and sanitary.

Manufactured in one size only, 6 inches in diameter

No. 17, plain metal, - 15c  
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REPLACE BOTTOM, TURN OVER, THEN READY FOR USE



## MOE'S ROUND FEED SAVING HOPPER

LIFT COVER TO FILL RAT PROOF WHEN CLOSED



Made round, so that it will accommodate more birds at one time than any other hopper on the market.

Manufactured in two sizes:

No. 7, 1 bu. capacity \$1.50  
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WHEN FILLED WILL ACCOMMODATE 10 TO 12 BIRDS AT ONE TIME



## MOE'S TRIPLE COMPARTMENT GRIT AND SHELL BOX

LIFT COVER TO FILL



Can also be used as a feed hopper for little chicks.

Manufactured in two sizes:

No. 9, 3 compartments 50c  
No. 90, 4 compartments 75c

WHEN FILLED FOWLS CAN NOT HOOK GRIT SHELL OR CHARCOAL OUT



These are a few of the good things in Moe's line. Write for complete catalogue. If not at your dealer's, write us mentioning dealer's name and we will see that your wants are filled at above prices, your city.

**Otis & Moe Manufacturing Co.**

2011 Otis Bldg., Chicago, U. S. A.

objection to the clamp business is that the uneaten remainder left between the edges of the boards makes considerable waste.

I can see a great advantage in lawn clippings on account of no necessity for chopping, but do not like the idea of the drouths lawns will face if not watered, neither do I fancy the usual lawn sprinkler. The lawn—not the usual lawn beside your dwelling for ornament but one specially set aside for utility, and watered by the Skinner System appears to me to be "just the lilly tange."

The overhead system can never be adopted to as good advantage at the North as at the Southwest, of course, since it cannot be used at the North the whole year. The sort of grass to be grown in the respective localities is an important consideration. Kentucky blue grass is the kind usually sown in the Northern states. It is especially adapted to withstand close cutting every few days and makes as thick and close a carpet as one could wish if well fertilized and water is abundant. But it is not a rich grass, although cows and fowls eat it greedily when they can get nothing better. Give white clover and blue grass at the same time and they will quickly inform you which is best. The white clover is better than red clover, alfalfa, or, I think, every other fresh vegetable except lush, quickly grown tender rape, which leads. But white clover will not do well everywhere. It succeeds best on rather heavy land or that inclined to be clayey, and rather moist. At the South in most parts, and particularly at the Southwest, Bermuda grass is the main reliance for lawn clippings. A piece of sod may be cut in small bits and these set out a foot apart each way, or the bits, either with roots or as slips, may be dropped at the upper edge of a furrow to be partly covered by the next furrow, or the seed from the seed store may be sown as in case of any other grass. It will catch hold and grow very readily. The furrow method is good enough for horse or cow pasture but do not attempt it for a plot where a lawn mower is to be used. Rake and smooth the ground very carefully to an even surface and either use seed or transplant by hand, tufts a foot or so apart each way and you will have a good job. Keep in mind that your lawn is to be laid down, not for a few years, but that it will not need to be renewed for a lifetime, and as it is to be cut very often it will pay to make the ground perfectly smooth at the start.

### Treatment of Dumb Brutes.

Dumb in the sense that they cannot fully express their complaints, although they may utter vociferous cries. The amount of discomfort or downright pain that is allowable to be inflicted on wild or domestic animals is not easy to determine. We can easily bestow a great deal of positive happiness upon our live stock by breeding to promote vigor and by giving care in a hundred ways, yet at the same time in one way and another we must cause more or less pain on occasions.

A curious case has been tried in England in relation to the alleged cruelty involved in trimming the combs and wattles of game fowls.

Undoubtedly if Games are to fight it would be better for them to enter into



the arena without combs or wattles, for they would without doubt suffer more if hampered by these appendages. The question of dubbing Leghorns and other breeds with large combs and wattles for the purpose of protection against freezing is a different one. We must consider that the operation is quickly over with and that the inferior animals do not labor under the disadvantage of imagination as persons do; that is they do not know what is coming and do not suffer through anticipation. It is a perfectly legitimate thing for the owner to balance, as in a pair of scales, the temporary suffering occasioned by trimming against the possible or probable prolonged pain in freezing, or rather the results of freezing which last for days and weeks. In judging concerning such operations as trimming combs, punching the feet of chickens for the purpose of marking, plucking the feathers of live geese, etc., it is frequently not considered that the animal, if kept tame and properly managed, suffers nothing up to the instant when the operation begins. This is different with the human race, when a surgical operation is to be performed. How great the dread of an amputation must be when the patient knows it is inevitable. Who cannot recall instances of friends suffering more from looking forward to having teeth pulled than from the actual operation itself?

This matter of the prevention of cruelty to animals is a very important one. We believe in the work of the society which is devoted to this humane purpose and consider that it accomplishes a great amount of good, especially in relation to the treatment of horses. The old notions of the middle ages respecting the inferior animals are happily becoming extinct. They linger still in such countries as Spain and Mexico where bull fighting is still practiced. The truth is an ounce of pain or a pound of pain if you could weigh pain, is just as important in view of the moralist, whether it is experienced by a brute or a man. The lacerated flesh, the quivering nerves are a matter of as much importance in the experience of the hapless brute as in the experience of the poet, or statesman, or the most lofty members of the human race. The old doctrine was that man's rights were especially important because he possessed an immortal soul; but in the matter of mere physical pain, this distinction is of no importance; pain is pain and whether suffered by yourself, by your dog, your horse or your fowls, it should be brought to the minimum in all cases, so far as reasonable care and endeavor can do it.

The subject, however, should be viewed in a sensible manner. It is inevitable that our domestic animals will be made to suffer in some form or other.

Suffering and inconvenience are inseparable from human life; for instance, we cannot fulfill all our duties without sometimes meeting tasks that are irksome, difficult to perform, and in some sense painful. In bringing up children we cannot clear their paths entirely from thorns and briars, and how then can we shield our domestic animals from all ills? It will not do to be hasty in deciding concerning trimming combs, caponizing or any other method of "mutilating" our domestic animals. The subject must be viewed rationally.

## MOE'S Useful Poultry Supplies

### MOE'S SANITARY POULTRY DRINKING FOUNTAIN



**The most popular fountain on the market. Fills from the top.**

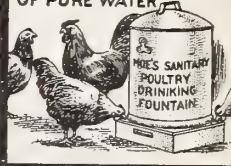
Dead air space keeps water cool in summer and from freezing in winter. Drinking pen now made square, which does away with spilling when hung up. Can be used for two pens at the same time. Prevents chickens from getting their wattles wet in cold weather.

Manufactured in three sizes:

- No. 1, 1 gallon capacity - \$1.25
- No. 2, 2 gallon capacity - \$1.75
- No. 4, 3 gallon capacity - \$2.25

Also specially constructed for ducks and pigeons.

**REPLACE COVER AND YOU HAVE A CONTINUOUS SUPPLY OF PURE WATER.**



### MOE'S SANITARY BROODER FOUNTAIN



**TURN OVER AND REMOVE BOTTOM TO FILL**

**Little chicks can't get wet. Sets in corner of brooder. Takes up little room. Can't be upset.**

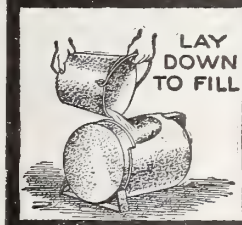
Manufactured in two sizes:

- No. 0, 1 quart capacity 25c
- No. 5, 1 gallon capacity 50c

**REPLACE BOTTOM TURN UPRIGHT. READY FOR USE**



### MOE'S WALL FOUNTAIN



**LAY DOWN TO FILL**

**Can be hung up out of the litter. Very easy to fill. A strong, substantial fountain at a low price.**

Made in three sizes:

- No. 25, Of about 1/2 gallon capacity 35c
- No. 26, Of about 1 gallon capacity 50c
- No. 27, Of about 2 gallon capacity 75c

**WHEN FILLED, HANG UP, THEN READY FOR USE**



### MOE'S SANITARY BOTTOM FILL FOUNTAIN



**REMOVE CONE TO FILL**

**Made in two pieces. Easily cleaned and will not burst from freezing.**

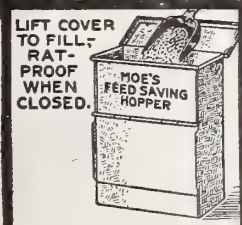
Made in three sizes:

- No. 19, Of about 1 quart capacity 20c
- No. 20, Of about 1/2 gallon capacity 25c
- No. 24, Of about 1 gallon capacity 35c

**REPLACE DRINKING PAN. TURN OVER READY FOR USE**



### MOE'S FEED SAVING HOPPER



**LIFT COVER TO FILL. RAT-PROOF WHEN CLOSED.**

**Cuts down your feed bill and improves the quality of your birds. Feed can't clog on account of simplicity of construction.**

Manufactured in one size only:

- No. 6, Capacity 4 1/2 bu. \$1.50

**WHEN FILLED, FOWLS CAN NOT HOOK FEED OUT AND WASTE IT.**



These are a few of the good things in Moe's line. Write for complete catalogue. If not at your dealer's, write us mentioning dealer's name and we will see that your wants are filled at above prices, your city.

**Otis & Moe Manufacturing Co.**  
2011 Otis Bldg., Chicago, U. S. A.





Christmas Month. Be of Good-Cheer.

We wish all "Our-Folks" a Merry Christmas, full stockings and the best chickens in the class.

Hang up your socks men, and beside them a new resolution to breed more and better poultry. Now is the time.

November 6 eggs are selling for 75 cents per dozen in New York and at from 40 to 50 cents from Chicago east with meat still soaring.

The old and reliable American Stock-Keeper under new dress and name of American Fancier and Stock-Keeper looks good and is full of good things from the pens of Drevenstedt and W. B. Atherton.

Don't forget about the A. P. J. Year Book. Volume two will be issued February 1, 1914, and will be larger and better than ever.

You missed a treat if you did not see and read all of the November A.

P. J. The color plate of Jungle Fowls is one of the best pieces of work we have seen and Louis A. Stahmer deserves great credit.

Mrs. Punderford—What is your husband's income?

Mrs. Harcombe—Abovght four A. M.

We like to recommend good things as they come to our notice.

When a duck lays an egg she just waddles off as if nothing happened.

When a hen lays an egg there's a whale of a noise.

The hen advertises, hence the demand for hens' eggs instead of ducks.

Everyone can master a grief but he that has it.

The "Order of the Flea" will hold their annual convention in connection with the Chicago Show. Special meetings will be held at several other shows with information given later. Mr. H. D. Riley, Strafford, Pa., is the secretary, send him \$1 for membership and help the worthy.

California doctors are puzzling over the case of a girl who clucks like a hen when asleep. Simple enough. She's past the chicken stage.

The school of experience has no commencements. It's a perpetual course.

Mr. Haldie Nicholson, Leominster, Mass., informs us that he has sold his entire flock of Blue Wyandottes to Mr. Murray D. Kennedy, Elk Lake, Ont., this includes his First Prize Cockerels at the Dairy and Crystal Palace shows and many other winners of note.

Mr. Nicholson is meeting with success in perfecting his line of Barred Orpingtons and reports great demand for this new variety. Well, if he can combine the Barred Rock quality with that of the Orpington he sure has something worth while and we are getting deeply interested.

English breeders have won thousands upon thousands of good hard American dollars by exhibiting at our shows and it is high time that our American breeders returned the compliment exhibiting

# MYERS

Madison Square Garden, N. Y., Philadelphia, Hagerstown, etc.,  
Winning Line of

## BARRED PLYMOUTH ROCKS

The Pullet Breeding Line



FIRST HEN & SHAPE SPECIAL MADISON SQ. GARDEN, NEW YORK  
Jan. 1913. FIRST & SPECIAL BEST HEN IN SHOW PHILADELPHIA, Dec. 1912  
Bred and Owned by C. N. MYERS, Hanover, Pa.

My show record has been made with birds of MY BREEDING. I have mated and bred them for years and have pardonable pride in my success and the BREEDING QUALITY of this line which is of utmost value. They breed true and a quality to please you.

### 500 Cockerels and Pullets for Sale

These birds represent my best breeding quality stock. They are bred from my best lines and I can recommend them to every breeder who wishes to improve his flock and breed choice exhibition and quality birds. They are the kind to bank upon for success. I will sell in lots and quantity to suit, and assure absolute satisfaction.

Selected Breeding Cockerels, \$5, \$7.50, \$10, \$15  
Selected Breeding Pullets - \$3, \$4, \$5 to \$10  
Trio - - - \$10 up. Pens - - - \$15 up.  
A Special Pen of Male and 4 Females for - \$25

Remember I select and mate all birds sold. Write me your wants.

### Eggs for Hatching

Catalogue now on press. Let me send this to you—it tells the story of this line in breedings, winnings, matings, etc. It also describes the birds, with prices and general information. Write today.

C. N. MYERS, Box A, Hanover, Pa.



in England. Mr. Nicholson is now showing Barred Rocks at the Crystal Palace show where classes for American bred birds was made. Other breeders should follow in this line, the field there is ripe and most unlimited and the English breeders game and with the price.

\* \* \*

Look up and not down; look forward and not back; look out and not in, and lend a hand.

\* \* \*

We are pleased to report that Charlie Welles, Stratford, Conn., has given up

the political position he held for 17 years and will in future devote all his time to breeding his famous line of "Fluffy-Ruffles", Barred Plymouth Rock females. The demand for this line increases year by year and they are more popular and better today than ever.

\* \* \*

In producing "Fluffy-Ruffles" a three time M. S. Garden New York winner, and twice winning the championship special for best female and several shape and color specials as well. Mr. Welles benefited the entire poul-

try world for the blood of this line is winning the whole world over, and now with his entire time and attention given to his birds we can safely look for future results. Mr. Welles has a very large and fine flock of stock this year to supply the wants of his customers.

\* \* \*

Emmeline is on the ocean.

\* \* \*

We have just had a visit from Frank S. Barr, owner of the Mountain Orchard Poultry Farm, Narvon, Pa. One of the largest and grandest plants

# E. B. Thompson's Imperial "Ringlet" Barred Plymouth Rocks

Are the Greatest Achievement in Modern Poultry Breeding  
THEY ARE THE PRODUCT OF OVER THIRTY YEARS OF SKILL



First Prize Cockerel and Champion Male and First Prize Pullet and Champion Female at Madison Square Garden, New York, 1913

**They Mean Something—They Sweep Away at One Stroke All Doubts and Settle the Question of the World's Leadership.** Furthermore, these 29 first prizes do not include the firsts won at New York by my customers on birds I sold—remember that.

My "Ringlets" have won first prize on exhibition pens at Madison Square Garden 8 times, no competitor has ever won first but 4 times. I have won both first and second prizes on pens 6 times and no competitor but 3 times.

My "Ringlets" have won at New York 11 first prizes on single cockerels and cocks—including first prize and champion cockerel and first cock at the 1910-11 show, first prize cockerel and champion male at the 1913 show—almost as many first prizes on males alone as any other Barred breeder has ever won on anything. I am the only living Barred Rock breeder who has ever won all the regular

These winnings tell more of the sterling qualities of the Imperial Ringlets than volumes I might write—They tell what the New York Show says.

The "Ringlet" record for 1913 at the Madison Square Garden, New York Show, is the most wonderful ever made by any Barred Rock breeder since the New York Show was founded. (See ad on back page for this remarkable record.)

Elegant breeding cockerels, trios and pens of this greatest New York prize blood for sale, and mated to produce winners if desired. Richly illustrated 70 page catalogue upon application; it is full of pictures of New York winners from life. Address

## Early Winning Show Birds

I now offer the finest very early hatched exhibition birds that I have ever produced—grand size and shape, fine heads, even clear blue color, and narrow clean-cut vivid barring to the skin. They are matchless and ready to win prizes for you in any competition in the world. The prices are very reasonable. You can enjoy the great pleasure of winning silver cups and prizes if you have my birds.

**My Imperial "Ringlet" Barred Rocks Have Demonstrated to All the World a Distinctive Superiority**

THEY STAND WITHOUT A RIVAL AS THE LEADING  
1st PRIZE WINNERS AT AMERICA'S IMPERIAL SHOW,  
MADISON SQUARE GARDEN, NEW YORK

## A Great Light on the Subject of New York Records

The "Ringlets" exhibited by me personally, have won at New York a grand total of 29 first prizes—this is more than double the number ever won by any competitor—no other Barred Rock breeder in the world has ever won more than 13 first prizes in the entire history of the New York show—mark the difference—these figures are as remarkable as they are conclusive—they inform the public who have hitherto been confused by conflicting claims.

prizes on pullets at a single New York show, viz: 1st, 2d, 3d, 4th, 5th and the only breeder who has ever won 1st prize cockerel and champion male and 1st prize pullet and champion female at one and the same show at Madison Square Garden.

My "Ringlets" have won every Silver Cup and Trophy that has ever been offered at Madison Square Garden to be won three times. In short every trophy on Barred Rocks that has ever been offered and won three times has been finally won by me and is now my absolute property. Among them are the \$100 Challenge Trophy and the \$100 Association Cups.

The best is none too good for my customers and if you want to show you will find that judges appreciate the wondrous beauty and sharp "Ringlet" barring of my Barred Rocks. Prices are reasonable and thousands of birds to select from.

SEE MY OTHER AD. ON  
BACK COVER PAGE

E. B. Thompson

Lock Box 510  
Amenia, New York



we know of where Buff Orpingtons and Houdans are the specialty. They are now selling all their Anconas and Lakenvellers, both are beauty and quality lines, write them.

Within the boundary of Jersey City we found two chicks of a staple variety, but of rare type known as "Snow-Crest and Black-Cloud." They are perfectly tame when fed on Guinea-fowl, like music and song of the low-bridge variety, and when properly hitched are companionable to the sterner sex. The General of the Eastern division will please note.

Die when I may; I want it said of me by those who knew me best that I always plucked a thistle and planted a flower when I thought a flower would grow.—Lincoln.

These are indeed bright times for the breeders and those who have the quality will surely harvest results. The demand for choice birds is in advance to the supply and with all prices are moderate.

The egg business is also coming back and eggs for hatching will be in greater demand next spring than ever before.

To our mind this is as it should be, for there is no better or quicker way to get the best of stock than by buying choice eggs and properly raising the chicks.

Show your birds. If you have the quality exhibit them and let the people all see what you have. Don't be one of the kind that leaves his birds at home and goes to the shows and tells he has better at home. That tale has been overworked for several years. Show them and let them do your talking. That kind takes and is convincing.

Zeek Haskell says: No matter how well a feller is doin' his wife is allus figurin' how much more he could save if he'd quit smokin'. A grocer often goes to the theater jist t' see if th' folks that owes him are still in town.

A Russian scientist proclaims the possibility of the artificial egg. The synthetic beefsteak seems long delayed.

When in Syracuse, N. Y., we visited the Poultry Advocate and editor C. C. DePuy kindly escorted us through his entire plant. They are nicely located and have a complete outfit all their

own. For 21 years the Poultry Advocate has been a staple and reliable poultry journal.

Columbian Rocks are sure to become more popular judging by the beautiful classes shown this season by the Wilburtha Farms. F. G. Bean and L. Paul Graham the winners at Hagerstown were certainly wonders.

Maj.-General J. Douglas Harcombe is now a full fledged Barred Rock breeder and likes them. We soon hope to see him in the show room.

We have a pressing invitation to visit the Webster Farms, Girard, Pa., and as we are very fond of White Rocks we hope to make this soon. This line has done well at New York, Cleveland, Philadelphia, Williamsport, and other leading shows. They report a larger and better stock than ever. The same is also true of E. H. Lichtenwalters Buff Rocks.

Be sure you're right and then keep it to yourself.

President E. B. Thompson is showing his back-bone and is proving his worth to the A. P. A. We will have more to say of this later.

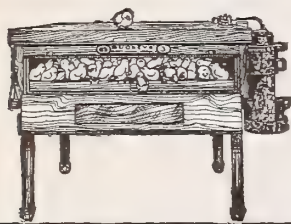
The Old Forge Poultry Yards, Spring Grove, Pa., have made a splendid record with their Buff Orpingtons this year winning at Hanover, York, Allentown and Hagerstown. Note, mention elsewhere.

That grand old breed the Dark Cornish, have come into their own and for the past two or three seasons have proven their popularity by the big classes seen at the shows several of these running well over 100 entries each. They are a practical general purpose fowl, quick growers and the best of meat. The breeders are to be congratulated for the progress they are making to popularize this worthy breed.

The poultryman's quartet, Messrs. Rankin, Punderford, Graham, Atherton and Howell were in evidence at Hagerstown and rendered several dittys in an artistic manner. They promise to entertain at several shows this winter, and at all banquets. Rankin's voice is of a shiftily-brindle tone and comes to the rescue of any that should fail.

The Philadelphia Association will provide a large booth where subscriptions to any and all poultry journals will be taken at their coming show under their own direction. We heartily approve of this plan for it seems to be the solution of a very perplexing question. The public attend the shows to view the poultry and it is annoying to them to be held up at every corner and between isles by the sub-solicitors. Those wishing to subscribe can do so and I am sure that every poultryman on the floor will direct the public to the booth for that purpose. We wish to see this plan tried out well and hope other associations will follow in this line.

Again we urge the breeders to join the Poultry Specialty Clubs. A strong club means greater popularity and more business for all. Do this now.



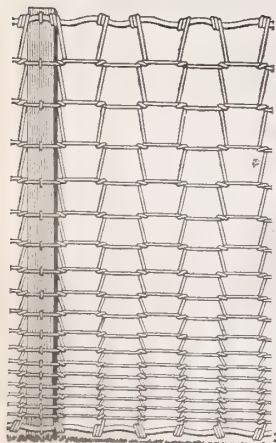
## More Than 1000 Dealers Sell "The BUCKEYE" Because They Know

That it is the most reliable incubator made. They know when they sell you a "BUCKEYE" that it is going to do exactly as claimed; that you are sure to have success with it no matter what incubator you may have used in the past or even if you have never used any at all. It is

### Guaranteed to Hatch Every Hatchable Egg

Let us give you the name of the "BUCKEYE" dealer in your town who will be glad to show it and prove to you that it will hatch more and better chicks than you can get with any other machine. Made in 5 sizes—60 eggs to 350 eggs—and sold as low as \$10. Write us today and let us send you the dealer's name and also our complete catalog. We shall also be glad to answer any questions and help you any way we can. Address,  
THE BUCKEYE INCUBATOR CO., 501 Euclid Ave., SPRINGFIELD, OHIO.

## POULTRY FENCE



DIRECT TO YOU AND  
YOUR NEIGHBORS, TOO

**22 1/2** Cents a rod for 48 in. high.  
**22 2/2** 25 1/2 Cents a rod for 60 in. high.

Not a flimsy netting but a fence requiring fewer posts and no baseboard or top rail. Spacing between the line wires graduated from 1 1/4 inches at bottom to 4 1/4 inches at top. Stay wires 4 1/2 inches apart. Positively the greatest Poultry Fence Bargain ever offered. Our 48-inch combination **POULTRY AND STOCK FENCE 27 1/2 CENTS PER ROD.** This is a heavier fence having the same construction as the above fence and while close enough for small chicks yet strong enough to turn stock.

**Direct to You at Factory Prices.**

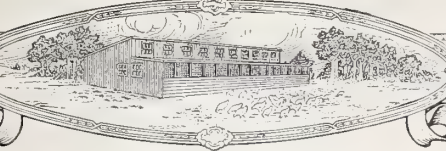
Write for our large illustrated Catalog showing 100 styles of Farm, Poultry and Lawn Fence. It's free.

**Kitselman Bros. Box 295 Muncie, Ind.**



# Pacific Coast Department

Conducted by H. H. Collier, Tacoma, Washington,

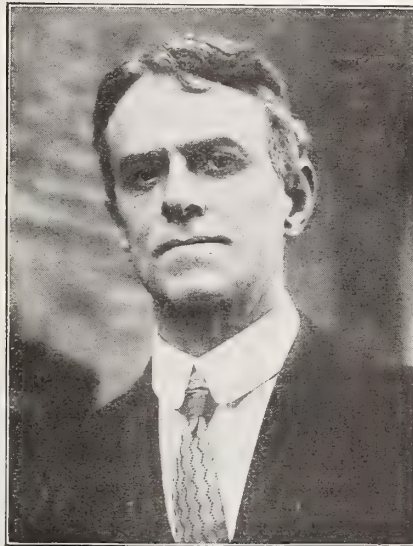


**T**HE man that plants his poultry advertising early will be the one that will get the egg orders when he has hatching eggs for sale. People are prone to shop in the poultry business the same as they do in any other walk in life. They do not as a rule buy the first thing they see but write around to the different ones where they see fowls for sale and buy from the man that makes them think they are getting the best bargain. An advertisement can not always make ones sales—he has a duty to perform himself. If you get a letter about your fowls you should in the first place have good stationery on which to answer such letters. You should have a nicely printed circular that will answer such questions as how your birds are mated. The strain of birds you carry. The winnings of your fowls at the poultry shows. The judges who have passed on your birds. A few cuts of winning birds should be in this circular. All of this information to a prospective buyer will help to make the sale. When you get the letter answer all of the questions asked of you. Be honest. If you haven't the kind of bird that the prospective buyer wants, tell him so and describe just what kind of fowl that you can offer for sale.

Another thing when you get a letter from a prospective buyer. Answer it at once. Do not delay. Possibly he has written to several others and he will buy as soon as he can find what he wants. If you delay in answering you help the other fellow to make a sale that you could have if you would attend to business.

Do not try and over advertise your

plant. Make it a business proposition. You can easily figure just what your plant can do. You know from your flock just how many eggs that your plant will furnish during the breeding season. Keeping customers waiting for their eggs is poor advertising. Advertise just what you can furnish, no



CHARLES G. HINDS  
Pacific Coast Poultry Judge

more no less. If you get an order for a fowl, ship as soon as it comes in. Do not delay in such matters. The average man when he orders anything is anxious to see what he will get for

his money. If you will be prompt in shipping you are more than apt to please the customer than you would if you would wait and get him impatient. Some men will order a fowl and tell everyone in the neighborhood about his buy. When such a bird comes in he will be ready to show it to all of his friends. If he lives in a small town every one will know that he has bought and many will ask about his purchase every time they see him. If he gets his shipment promptly and everything comes as represented he has given the shipper a better lot of advertising than he could have gotten in any other way.

When shipping birds, use a good substantial coop. See that your name is either stenciled or painted on that coop. When convenient make the coop a source of advertising by painting the names of the fowls that you carry. Have prices of your eggs and tell the man or woman who reads your sign that you will send them a circular if they will write. You pay big money for small spaces in the poultry papers yet you let a source of advertising go to waste that would be a powerful help to you when you send out a shipment without putting forth a card.

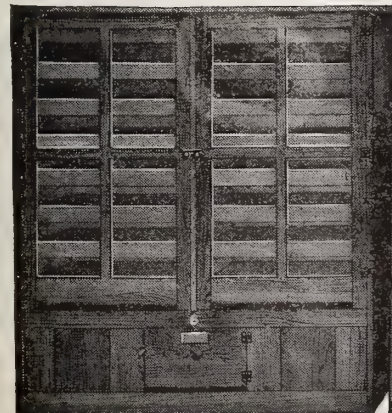
When shipping eggs be careful that you pack each and every egg so that they will not break. I am a little old fashioned about shipping eggs. I do not believe there was a package ever made that will carry eggs as safely as a split basket. I have used baskets for years and have had very few complaints. In packing your eggs wrap each egg in newspaper. Take excelsior and curl it around each egg so as to

## DOUBLE QUICK GRAIN SPROUTER

**THE PERPETUAL POULTRY SILO--Grows Green Feed While You Wait**

**The First, the Original, the Pioneer of All Grain Sprouters.** Built in six sizes, from  $\frac{1}{4}$  bu. to 8 bu.; for a few hens to 1,000

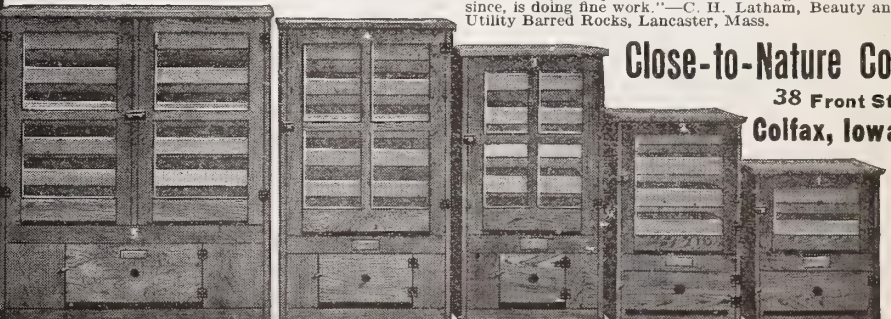
The Double Quick originates and initiates—others imitate and appropriate. Fully 100 Double Quicks to every half dozen of all other kinds combined. Now in its fourth year—in use in every state and territory in the U. S.; in Canada and Mexico; in eight foreign countries; thousands have tested its value; many large poultry plants use from one to five.



"On Sept. 16, I ordered your No. 5, Double Quick Sprouter shipped to Maude L. Kaler, Columbia City, Ind. and this one is proving so satisfactory that she wants another one of the same size and therefore you will find draft in payment of this second sprouter."—Milo R. Meredith, Indianapolis, Ind.

"I ordered and received from you last fall one of your 5-tray Grain Sprouters. This works very satisfactory. I want one for 1,500 hens. I enclosed my check for your No. 6 Grain Sprouter."—E. A. Palmer, Providence, R. I.

"I am enclosing my check for two more of your No. 5, Double Quick Sprouters. The one I bought some weeks since, is doing fine work."—C. H. Latham, Beauty and Utility Barred Rocks, Lancaster, Mass.



**Close-to-Nature Co.**

38 Front St.  
Colfax, Iowa



make it impossible for eggs to touch each other. Put a good layer of excelsior in the bottom of your basket and lay each egg in its place, having enough excelsior at the sides of the basket so that the package could stand a small crush without breaking the eggs. I find it best to use a number four split basket. Fill the bottom full of excelsior, wrap each egg and lay on its side, placing each egg on its side, run three eggs to the row. The ordinary split number four basket will easily carry 15 eggs packed in this way and give plenty of room without crushing. Put enough excelsior between each egg so that they can not possibly crush.

To fill in the top after the eggs are in the basket, take your excelsior and pull it apart so as to have a mass of loose fiber. Now work this excelsior down well to sides and top of each egg. Put in an extra quantity so as to have a heaping basket full. Take

words "Eggs For Hatching," your name, address and the kind of birds you breed. Have a place for the name of the party to whom you are shipping these eggs and print his name so plainly that any child can read it as he runs. The day before you ship notify the party that his eggs will be shipped at such and such an hour, giving the train and express company over which the package is shipped. The parcel post may be a good way to ship. Packages that are not fragile but until Uncle Sam makes better provision to care for eggs, we will still be old fashioned and ship by express. Uncle Sam will not take packages with handles on them and until he will make better provision for the egg business, we had better stay by the express companies.

Now is the time to plant that advertising. Get the copy in to the papers well ahead of the time that advertisements are called in. The aver-

Charles G. Hinds, of Oakland, California, has been judging poultry since 1900, when he placed his first ribbons at Fresno, California. Charlie might be called an old time breeder of poultry. Thirty-seven years ago he commenced the breeding of Brown Leghorns and for years took quite an interest in the breed. When White Plymouth Rocks became popular, Mr. Hinds took them up and he says that he liked that breed better than any variety he ever handled. At one time Charlie was known the country over as a White Rock breeder, as he was for one year president of the American White Rock Club. During the time that he was president he had many cases to act on where the breeders were trying to "do" each other, and he soon had a reputation as a great diplomat.

Judging poultry is one of the arts of today. Many men know the breeds. Many men have temperament for judging, but we find few men who can combine the two arts. There is as much in having diplomacy, to be able to make the other fellow realize you know birds, as it is to know them yourself. There is as much in being able to get away with one's judgment in the shows as it is to satisfy oneself that he has placed the ribbons on the right fowl. The man that goes into a poultry show exhibiting a lack of confidence in himself will soon lose the respect of the exhibitors. One must carry with him in the show room an assurance of knowledge in all varieties of fowls if he hopes to make good. Speciality judging is easy as compared to all-around placing of ribbons. To do good work requires a quick eye, quick decisions and a general knowledge of all breeds. The man that can not place the ribbons in a score card show as a rule is not competent to make awards as a comparison judge. Score cards have become obsolete in many of the big shows and as a time killer the score card is a success, but after all, the man that can not score a fowl does not know how to value the different sections of the birds and therefore he is not competent to judge a variety unless he can give the value of each and every section of the birds he is judging.

Charles G. Hinds was born in Nevada, California, in 1864, and has lived in the Golden state ever since. He has judged poultry throughout the Pacific slope and has made good. For awhile Mr. Hinds dropped out of the poultry shows and did little work, but a year ago he applied for an American Poultry Association license, which was granted him. Being a member of the judges' committee at the Nashville meeting, the writer had a chance to look over Mr. Hinds' endorsements, and we found them good all the way through. Having judged with Charlie at Seattle years ago and watched his work in several shows we were able to speak a good word for him and also endorse him for a license.

Mr. Hinds is married and has four husky boys. Speaking of one of them he says that he has a baseball player in his family that will make a Ty Cobb name before he is through. Charlie, like all fond fathers, claims all the credit for the good work of his son on the diamond and makes the claim that if it had not been for judging poultry that he would now be one of the best players in the big leagues.

Some of the notable shows where Charlie placed awards are as follows: Oakland, California; Seattle, Washington; Victoria, British Columbia; Eugene, Oregon, and a host of others. He has

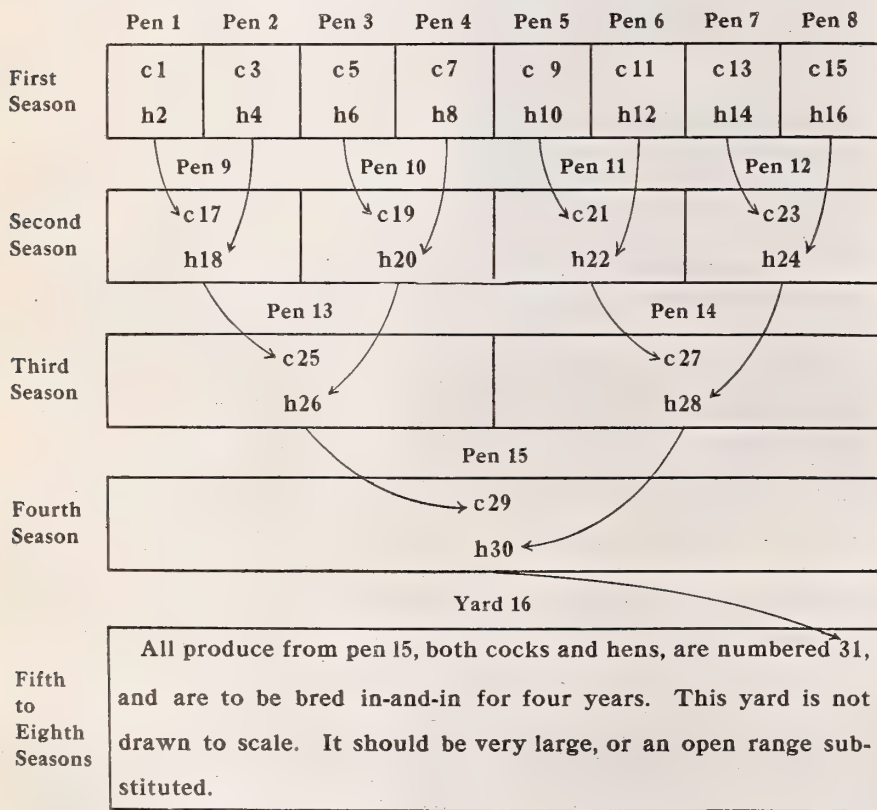


Fig. 1. See Stoddard's Utility Breeding Chart in this issue. By "pen" is meant a breeding pen. Each pen contains a cock "c" and a group of hens "h". The upper tier contains unrelated birds from sixteen outside sources. After the first season all fowls used are bred on the premises, their descent being shown by the arrows. There are 31 distinct strains, in the last of which there is a mixture of sixteen bloods.

a piece of paste-board the size of the inside top of the basket and lay this over the excelsior. Take a piece of cloth and stretch it over the whole top and sew it to the sides of the basket firmly. You have a package in this way that will stand a little crush and a fall that will not break the eggs as each and every egg sets on a cushion. It matters not whether a package of this kind rides bottom or top side up, it will go through in fine shape. I have shipped eggs to many points in Alaska, even where the eggs were packed in by both men and horses and they went over the rough trails without any bad results. I have shipped eggs in such packages that went three to four thousand miles that brought the best of reports from the man who bought them.

Have a nice card printed giving the

age poultry paper will give a breeder a better display if his advertising comes in time to give the printers plenty of time to handle it. In printing offices where poultry papers are issued there is always time when the office is not being run at a high rate of speed. This copy is better handled and there is less liability of mistakes if the printer and proofreader has plenty of time. Send your copy in at the last minute and it will get in the space that is left over. The printer will have to rush the job and the proofreader will have his hands so full of other work that he will not have the time to give your advertisement that he would have had earlier in the month.

Do your part to help the editor who gets the paper together each month and you will find that you will be well paid for your forethought.





## FANCIERS IDEALS NO. 1

### Plymouth Rock Shape as Leading Fanciers and Judges See It.

By LOUIS A. STAHMER



FROM Gallus Bankiva to the Black Breasted Red Game is but a very short step, but when it comes to absolute different shaped and colored breeds there must be some reason for their existence. It can be summed up in one sentence: It is the desire on the part of the poultry breeder to produce an ideal and his greatest help is the law of heredity. Heredity is merely a transmission of tendencies and character, and selective breeding and the law of demand has made the different breeds and varieties possible. The main requisite and the distinct character of any breed of fowl is the shape. The shape by which a breed is recognized is prescribed by the American Poultry Association. It is an absolute fact, however, that not any two breeders and judges seem to have exactly the same opinion of what this correct shape really is as specified by the American Standard of Perfection, and the interpretation of the requirements vary greatly in accordance with their opinions. While this difference of opinion is not as great in some of the more popular breeds and varieties, yet it is true that very few breeders have the same identical idea of Standard requirements.

There seems to be less difference of opinion regarding the shape of Plymouth Rocks than in some of the newer varieties, and to really see how much this difference amounted to among our breeders and judges this article and the accompanying illustration is the result. Fowls degenerate quickly both individually and as a flock if they are not looked after in proper manner. By proper selection we can fix any character, any color, any shape, and the prize winners at the leading shows in the hands of well-known breeders are the reason for the demand for certain types of fowls and generally accepted as ideal.

The illustrations accompanying this article were made of composite photographs of some of the leading winners at some of the largest shows in the country. From this draw-

ing blue prints were made and sent to one hundred breeders and judges of the different varieties of Plymouth Rocks. The breeders and judges selected were men of national reputation and whose judgment is generally considered regarding the requirements of their respective variety. They were also selected according to geographical distribution, so the criticisms received were nation wide. The reason we sent blue prints is that the pencil line correction would stand out from the color of the print and enable the breeder or judge to see the changes he made. Previous attempts in this line in which pen and ink drawings were sent out were too confusing and the results not what expected, as the ink line

conflicted with the pencil corrections made. Our new method worked out to perfection and the criticism which we received showed up plainly and distinctly from the blue background and enabled us to make an ideal drawing, which appears in colors on the following page. If we follow the progress of the breeds it is interesting to note the rapid or gradual improvement either in the color or in the shape, but inasmuch as shape makes the breed and color the variety, and as this article deals with shape alone, we will take up the study of this part. Plymouth Rocks have been popular for too many years and the type has become, so to say, fixed, and when we



The above illustration shows how the picture appeared on the blue print which was sent out. While we did not receive as many back as we sent yet a great number responded to our invitation and made such corrections with a pencil directly on the copy how the birds differed from their accepted ideal. Our intention of making changes whenever ten per cent desired a change in a section could not be followed in detail, as we did not receive this number of criticisms and the lower percentage was substituted, thus making the prints sent out as being very nearly ideal, in fact dozens of them were returned without any criticisms.

compare some of the old prize winners of ten years ago, the difference is not as great as some people expect. In looking over the winners of 1902 of such men as F. G. Bean, Buff Rock heading first pen at Hagerstown; Chas. Latham, cock Vulcan first at Boston; Theo. Hewes, "Expansion Queen" first at Chicago, and U. R. Fishel's numerous winners, and Halbach, Welles, Gardner, Graves, and other well-known breeders of prize-winning birds, we are of the opinion that these same birds could win on shape today as well as they did then. In summarizing the various criticisms received on the blue prints we made out a regular score card, and it was our intention that whenever 10 per cent of the number returned would make the same criticism we would make the corre-



sponding change in the drawing; but inasmuch as the percentage did not run up as high we had to go down in some sections as low as five, so the completed illustration should in accordance therefore be as nearly ideal as the majority of fanciers and judges interpret the Standard of the breed. It was interesting to note that out of the great number that were returned only four extremes were noted. These differed entirely from all the rest that they would seem out of place. The criticisms that were received were divided up as follows according to our score card:

Criticisms on the male: Beak too flat 3, beak smaller 1, neck larger 4, back longer 2, tail too large 3, tail too small 4, tail carried higher 3, tail carried lower 1, show main tail feathers 2, sickles and lesser sickles to hang straighter 2, tail too full 1, make fluff larger 2, keel larger 3, breast smaller 7, thigh larger 6, make spikes on comb smaller and rounder 6, comb smaller 3, wattles smaller 2, ear lobes larger 1, tuck up wings 1, and three criticisms bordering on the extreme.

Criticisms on the female make head larger 3, head smaller 3, beak too flat 3, beak smaller 2, neck larger 5, neck smaller 2, back longer 2, back shorter 1, tail larger 3, tail smaller 1, tail carried higher 1, tail carried lower 1, fluff larger 3, fluff smaller 6, keel larger 3, breast smaller 6, thighs larger 5, thighs smaller 1, legs too rough 3, comb spikes smaller and rounder 2, comb spikes larger 1, size of comb larger 5, comb smaller 2, tuck up wings 1, and one criticism bordering on the extreme.

We have tried to follow these criticisms as near as we could, with the exception of the fluff on the female, which we thought could be a little bit larger, and the carriage of the tail, which we have

changed according to our own idea. We have noted for years that the majority of prize winners have been generally over weight, and we believe it is a step in the right direction, as the breed can easily stand a little heavier weight clause. We thought it would be a good idea, perhaps, to show the size of the birds, and for that reason photographed a rule which was laid right in the place occupied by the center of the body of the birds. In photographing some of the models we set our camera at exactly the same focus. Some of the models were a trifle overweight, but it will not affect the rule measurements very much. The completed illustration should prove valuable to the beginner in breeding Plymouth Rocks, as it will give him an idea of what correct Plymouth Rock shape should be according to the opinion of America's foremost breeders and judges. We invite criticisms on the drawing and trust that it meets with the general approval of the breeders to whom the prints were submitted.

There are six varieties of this breed recognized by the Amer-

ican Poultry Association. The Standard for shape is alike and the following description will fit all of them.

The Plymouth Rock is a large, compact-appearing, deep-bodied fowl. A long, straight and broad back is desired in the ideal specimen. The breast in such a bird should be fairly prominent and nicely rounded. The head should not be too large, but broad, taking the length into consideration. A Standard Plymouth Rock head should be distinctly different from a Minorea, Orpington, Leghorn, or Langshan. The smaller, stout comb, the stout, moderately short beak, the full, alert eye, the well-rounded wattles, medium in size, will show the difference at once when compared with ideal specimens of the other breeds mentioned. The legs of a full-grown Plymouth Rock should be well set apart, stout and firm, with thighs and shanks of moderate length. The tail should not be so large or so full as to take away from the compact appearance of the

bird. This is about the only section where Plymouth Rocks differ in shape with those bred 10 years ago. Although the Standard requires a tail carriage of 45 degrees in the male and 35 in the female, yet it is very seldom seen on exhibition specimens. A lower tail carriage seems to be a fad among breeders of nearly all varieties excepting those who breed fowls where high tail carriage is required. That "Rainy weather" tails, as some judges call them, will soon have had their day is the general prediction. Summing up the general appearance of Plymouth Rocks gives us a large, compact, well-developed and proportioned fowl with good, strong bone and frame, closely feathered, weighing from 8 to 12 pounds in males and 7 to 10 in females.

Plymouth Rocks owe much of their popularity to their vigorous constitu-

tion and stamina, thriving well in all climates and under all conditions. They are making friends the world over. They are quick grovers and combine utility with beauty to a high degree of perfection. They are excellent winter layers of good size brown eggs. They make ideal sitters and as mothers are gentle and will nearly always raise the entire number of their brood. In point of popularity the Barred and White varieties lead the procession. Buff, Silver Penciled, Partridge, and Columbians have also a great hold on the fanciers and their popularity is steadily increasing. The great undeniable merits of the breed is the reason for the great number exported every year to all parts of the world. We would suggest that our fanciers try and improve the breed so that the design "made in America" appears on every specimen in Red, White and Blue. This would be about the only improvement we could suggest and would be a well fitting trademark for this popular breed.



Unretouched picture of Guy Daily's, Jeffersonville, Ind., first prize hen at the last Chicago Coliseum show.





The above illustration painted by Louis A. Stahmer according to the criticisms received from the foremost breeders and judges of this country, shows as nearly as it is possible the ideal Plymouth Rock shape and can be accepted as a reliable guide by the amateur as well as the established poultry breeder.





Unretouched photo of first pullet, Illinois State Fair, 1913. Bred and owned by Maple Farm, Tinley Park, Ill.



Unretouched photo of "King Ringy 5," bred and owned by W. D. Holterman, Ft. Wayne, Ind.



Unretouched photo of a 1913 pullet, bred and owned by W. D. Holterman, Ft. Wayne, Ind.



Unretouched photo of first hen, Illinois State Fair, 1913. Bred and owned by Maple Farm, Tinley Park, Ill.



quite a list for this season among them being Spokane, where the American-Poultry Association will hold their branch meeting this season.

## SECOND INTERNATIONAL EGG LAYING CONTEST.

Wm. F. Kirkpatrick.

THE second International Egg Laying Contest opened November 1, 1912, and closed October 31, 1913. This competition, like its predecessor, was conducted on the grounds of the Connecticut Agricultural College under the joint auspices of the Storrs Agricultural Experiment Station and the "Philadelphia North American" and under the immediate supervision of the Experiment Station Poultry Department. This paper is only a preliminary report and is issued to meet the demand for the final score of the respective pens and requests for the feeding formulas used in connection with the enterprise. The Experiment Station undertook to keep full records of individual egg production as well as total pen production, food consumption per pen, duration of broody periods, weight of eggs, and to collect throughout the year such other data as was deemed of interest and importance. Not all of this, however, can be presented at this time. The facts will, nevertheless, be given to the public as soon as they can be compiled and incorporated in an Experiment Station bulletin.

Each pen consisted of five females, but each contestant was privileged to send one supernumerary bird which was placed in the competing pen in the event of losses accidental or otherwise. No further substitution was permitted. The total number of eggs laid by the various pens is indicated below in a table arranged by breeds and according to the number of eggs produced. For the benefit of those who desire to make their own comparisons between this contest and the first one, the writer desires to point out the fact that 500 birds competed in this contest as against 490 in the first event; and further, only marketable eggs have been credited to the birds in this contest, whereas all eggs were credited in the initial competition.

### WHITE LEGHORNS.

Tom Barron, England.....	1190
Edward Cam, England.....	1107
W. L. Sleeper, Pennsylvania.....	1029
O. A. Foster, California.....	997
Frank Toulmin, England.....	954
W. P. Canby, Pennsylvania.....	952
Burton E. Moore, Connecticut.....	945
Smith Bros., Pennsylvania.....	934
F. A. Jones, Pennsylvania.....	928
Blue Mt. Poultry Farm, Pennsylvania.....	909
Ingleside Farms Co., Pennsylvania.....	908
Braeside Poultry Farm, Pennsylvania.....	907
Joseph J. Barclay, Pennsylvania.....	898
P. A. Keppel, Pennsylvania.....	894
R. A. Marrison, Ontario.....	893
Ballock & Burrows, Delaware.....	892
Ingleside Farms Co., Pennsylvania.....	880
H. E. Seaver, New Jersey.....	877
A. P. Totman, New York.....	871
E. P. Lewis, Pennsylvania.....	870
P. G. Platt, Pennsylvania.....	869
White Leghorn Poultry Yards, New York.....	863
Marwood Poultry Farm, Pennsylvania.....	861
Abbott Poultry Yards, Pennsylvania.....	854
C. W. Sherwood, Connecticut.....	854
A. P. Robinson, New York.....	838
LeRoy E. Sands, Pennsylvania.....	838
Mrs. K. E. Woodruff, Connecticut.....	829
A. B. Hall, Connecticut.....	819
Eglantine Farms, Maryland.....	810
Toms Poultry Farm, New Jersey.....	807
F. G. Yost, Pennsylvania.....	807
A. R. Saylor Drug Co., Pennsylvania.....	795
Roswood Poultry Farm, Pennsylvania.....	784
Jas. and Geo. Goodman, Pennsylvania.....	780
Elm Poultry Yards, Connecticut.....	755
F. M. Peasley, Connecticut.....	733

Walter Hogan, California.....	728
O. E. Meyer, Pennsylvania.....	708
W. E. Tillinghast, Connecticut.....	673
Koontz Poultry Farm, West Virginia.....	654
C. F. Biddle, Pennsylvania.....	602
Abbott Poultry Yards, Pennsylvania.....	590

### WHITE WYANDOTTES.

Edward Cam, England.....	1009
Mrs. H. F. Haynes, Idaho.....	951
Beulah Farm, Ontario.....	945
W. E. Ross, Connecticut.....	862
Will Barron, England.....	841
T. J. McConnell, New York.....	837
Valley Green Farm, Pennsylvania.....	803
Beulah Farm, Ontario.....	681
*E. H. Pohle, Pennsylvania.....	605
West Mt. Poultry Yards, Connecticut.....	532
West Mt. Poultry Yards, Connecticut.....	494

### S. C. RHODE ISLAND REDS.

Colonial Farm, New Hampshire.....	968
Woodman & Smith, Pennsylvania.....	874
H. P. Deming, Connecticut.....	860
J. A. Fritchey, Pennsylvania.....	849
Geo. P. Dearborn, New Jersey.....	763
Howard Steel, Pennsylvania.....	737
P. S. Prash, New Jersey.....	723
Arthur S. Bailey, Connecticut.....	722

### BARRED PLYMOUTH ROCKS.

R. J. Walden, Maryland.....	776
J. W. Miller, New Jersey.....	748
*Woodside Poultry Farm, Pennsylvania.....	741
A. B. Hall, Connecticut.....	689
S. M. Goucher, New Jersey.....	669
S. M. Goucher, New Jersey.....	625
Brooks Sanitary Henny, Illinois.....	609
H. D. Riley, Pennsylvania.....	435

### R. C. RHODE ISLAND REDS.

Glenview Poultry Farm, Connecticut.....	821
C. S. Scoville, Connecticut.....	721
C. S. Scoville, Connecticut.....	697
E. S. Edgerton, Connecticut.....	621
J. H. Lower, Connecticut.....	566

### WHITE ORPINGTONS.

White-Acres Poultry Ranch, Pennsylvania.....	818
Rockwell & Co., Pennsylvania.....	751
Gilbert & Moore, Pennsylvania.....	586
J. R. Pott, Pennsylvania.....	487

### BUFF LEGHORNS.

*G. H. Schmitz, Illinois.....	874
G. H. Schmitz, Illinois.....	713
Chestnut Hill Poultry Farm, Pennsylvania.....	676

### WHITE PLYMOUTH ROCKS.

Edgewood Poultry Farm, Connecticut.....	877
L. G. Tyreman, Pennsylvania.....	846

### BUFF WYANDOTTES.

*W. Lee Springs, New Jersey.....	712
Amer. Buff Wyandotte Club, New York.....	655

### COLUMBIAN PLYMOUTH ROCKS.

J. M. Jones, Pennsylvania.....	835
F. G. Bean, Pennsylvania.....	661

### BUFF ORPINGTONS.

O. Wilson, West Virginia.....	711
Mt. Orchard Poultry Farm, Pennsylvania.....	700

### BLUE ANDALUSIANS.

E. D. Bird, Connecticut.....	810
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### SILVER WYANDOTTES.

T. W. Burns, New Jersey.....	783
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### COLUMBIAN WYANDOTTES.

Cooper, Rich, Pancoast Club, New Jersey.....	755
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### BUFF PLYMOUTH ROCKS.

E. S. Hoopes, Pennsylvania.....	731
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### BLACK MINORCAS.

Mrs. J. C. Stirling, Connecticut.....	725
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### BROWN LEGHORNS.

A. P. Hillhouse, Quebec.....	650
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### ANCONAS.

*Mt. Orchard Poultry Farm, Pennsylvania.....	644
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### WHITE LACED RED CORNISH.

W. H. Card, Connecticut.....	587
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### BUTTERCUPS.

*E. W. Landes, New Jersey.....	479
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### BLACK ORPINGTONS.

*Luin B. Switzer, Connecticut.....	390
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Total yield for all pens 77,916.

\*Not a full complement of five birds at close of contest.

All pens were fed and handled in the same general way; that is to say, the same feeding formulas were used for all pens and all varieties. The management felt at liberty, however, to feed more or less according to the needs of the individual pens. A well known automatic feeder was used for the grain and an earthenware dry mash receptacle was used for the ground

feeds. Mash, grit, shell, and charcoal were given to the birds ad libitum but it was necessary to close the grain feeder a part of the time especially during the long days of summer. This daily attention to the hoppers would probably be unnecessary in larger flocks. Succulent food consisted principally of dried beet pulp for about six months. After this time sufficient natural greens were furnished by the barley and clover in the yards in which the hens were running so that none was added from other sources until along in the summer when some of the yards became more or less depleted. For about the last three months of the contest period green cut corn was used. The beet pulp, and other greens for that matter, were fed separately; that is to say, they were not incorporated in the dry mash. The formulas for the mash and grain rations were not changed in the second year, it being deemed advisable to continue their use on account of the highly satisfactory egg yield obtained in the first competition. It will be noted from the formulas below that beef scrap appears in both the mash and the grain. It should perhaps be explained that all beef scrap was sifted, the coarse particles being mixed with the scratch grain and the remainder being used for the mash.

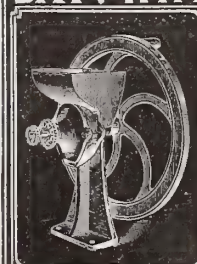
### DRY MASH.

Coarse wheat bran 200 pounds.  
Corn meal 100 pounds.  
Gluten feed 100 pounds.  
Ground oats 100 pounds.  
Standard middlings 75 pounds.  
Fish scrap 30 pounds.  
Beef scrap 30 pounds.  
Low grade flour 25 pounds.

### SCRATCH GRAIN.

Cracked corn 60 pounds.  
Wheat 60 pounds.  
Heavy white oats 40 pounds.  
Barley 20 pounds.  
Kafir corn 10 pounds.  
Buckwheat 10 pounds.  
Coarse beef scrap 10 pounds.

## SAY! WHY DON'T YOU



grind your own oats, corn, peas, dry bone, oyster shells, nut shells, dry stale bread, etc., for poultry feed on a GREAT BIG HAND GRINDER THAT NOW COSTS ONLY \$4.00. You need a grinder if you raise poultry. Thousands are used all over the world. Capacity 1 to 2 bu. per hr. Shipping weight 40 lbs. A child can operate it.

We also build SAMSON windmills and power feed mills. Send for free catalogs, stating what interests you.

Stover Mfg. Co., 318 Plymouth St., Freeport, Ill.

**The Extra Eggs**

will soon pay for one of these

**Automatic Self-Heating Poultry Fountains and Heaters**

Keeps water at the right temperature day and night in the coldest weather and requires less than a quart of oil a week. Made of Galvanized Steel. A long felt want supplied. Every Hen-house needs one. Price of 1 Heater and 2 gallon Automatic Fountain complete \$1.15. Write for Circular G and testimonial. Agents wanted.

**C. A. S. FORGE WORKS, SARANAC, MICHIGAN**



**HENS ON HOME STRETCH.**

The National Laying Contest Hens Have Only Fifteen Days More in Which to Complete Their Year's Record.

**F**IFTEEN DAYS yet remain to complete the year's record in the National Egg Laying Contest at Mountain Grove, Missouri. The droppings, boards and floor of each house has a liberal supply of feathers covering them each morning as the hens are in full moult. Half of the hens are half naked and many have nothing protecting their bodies except pin feathers. We had nearly a foot of snow covering the ground the last week in October, and the temperature dropped 20 to 23 degrees. The hens delayed putting on their winter cloaks until too late in the season, due chiefly we think, to the very hot summer.

The English pen of S. C. White Leghorns will win the prize for the year

by a safe margin. Two pens, one of Silver Wyandottes from Iowa, and a pen of Buff Wyandottes from Missouri, have tied for second place at the end of eleven and one half months. One of these two pens will be safely in second place and the other certain of third. It will take the remaining days to decide the tie. Fourth place will be in doubt until the last.

There were 4,652 eggs laid in October, which makes the grand total 98,840 eggs. Pen No. 26, Buff Wyandottes from Missouri, won the silver cup for the best record in October. This is the third month this pen has made the best monthly record. One strange thing this month is the fact that Leghorns, Anconas, and Minorcas have laid but very few eggs, and the ten highest pens for the month were all Wyandottes, Rhode Island Reds, and Plymouth Rocks, all being American breeds.

The hens have averaged over 141 eggs each thus far. The leading pen has averaged 207 eggs per hen. The

average made by each breed thus far is as follows:

	Eggs Per Hen.
All Black Langshans average.....	159
All Black Minorcas average.....	158
All Anconas average.....	149
All Wyandottes average.....	148
All Leghorns average.....	147
All Rhode Island Reds average.....	137
All Orpingtons average.....	133
All Plymouth Rocks average.....	131

This is a very creditable record for the breeds considering the fact that the average farm hen lays only about 80 eggs per year.

Each variety has made the following average per hen:

	Eggs Per Hen.
All S. C. White Leghorns average....	173
All Silver Wyandottes average.....	168
All Buff Wyandottes average.....	165
All Black Langshans average.....	159
All Black Minorcas average.....	158
All White Wyandottes average.....	149
All Anconas average.....	149
All Barred Plymouth Rocks average....	146
All R. C. White Leghorns average....	145
All Brown Leghorns average.....	143
All R. C. Rhode Island Reds average..	141
All White Orpingtons average.....	139
All Buff Plymouth Rocks average.....	138

## Single and Rose Comb Rhode Island Reds

IDLEWOOD FARMS

"THE COMING CHAMPIONS"

Better than ever, with type and color galore is the least we can say of the hundreds of youngsters developing on our ninety-acre range. Grand exhibition and breeding stock for sale, both young and old. Your money's worth or your money back and you to be the judge. Send for cat.

IDLEWOOD POULTRY FARM, AVONIA, PENNSYLVANIA

# WHITE ORPINGTONS

Remember that  
**Russell Cave**  
**White Orpingtons**

will win for you also. **Winnings** at first two shows made this year:

**Augusta Poultry Show, Augusta, Ga.**

1st Cock.

1st and 2nd Hen,

1st and 2nd Cockerel,

3rd, 4th and 5th Pullet,

1st Pen. Specials.

**The Great Hagerstown Fair**

1st and 3rd Hen,

1st and 2nd Cockerel,

1st and 3rd Pullet,

1st Pen. No Cock shown.

Special for best Hen in show.

**High Class Exhibition Specimens** a matter of correspondence. Cocks, Hens, Cockerels and Pullets for \$5 and up. This year's stock the best that has ever been in the Yards. All orders shipped on approval.

**Express Prepaid Satisfaction Guaranteed**

**Russell Cave Poultry Yards. Add.: Louis Lee Haggin, Prop., Route 3, Box 1025, Lexington, Ky.**



All S. C. Reds average.....	134
All Buff Orpingtons average.....	133
All White Plymouth Rocks average.....	129
All Black Orpingtons average.....	127
All Buff Leghorns average.....	125
All Partridge Wyandottes average.....	111
All Partridge Plymouth Rocks average.....	109

The ten highest pen records thus far are as follows:

Pen.	Eggs.
2 S. C. White Leghorns, England.....	2070
19 Silver Wyandottes, Iowa.....	1843
26 Buff Wyandottes, Missouri.....	1843
20 White Wyandottes, Arkansas.....	1736
8 S. C. White Leghorns, California.....	1717
1 Anconas, Missouri.....	1710
10 R. C. White Leghorns, Missouri.....	1697
11 Black Minorcas, Iowa.....	1685
23 Silver Wyandottes, Illinois.....	1658
30 Buff Wyandottes, Vermont.....	1652

Fifty-six hens have laid more than 200 eggs each. The number of 200-egg hens will exceed those of last year, but none of the individuals will approach the high record of "Lady Showyou." The ten highest individuals thus far are as follows:

Hen.	Eggs.
62 S. C. White Leghorn, England.....	258
860 Buff Wyandotte, Vermont.....	255
600 Buff Wyandotte, Missouri.....	253
55 R. C. White Leghorn, Missouri.....	252
61 S. C. White Leghorn, England.....	246
66 S. C. White Leghorn, England.....	243
77 Ancona, Missouri.....	236
3810 Silver Wyandotte, Iowa.....	229
2028 R. C. Red, Missouri.....	227
64 S. C. White Leghorn, England.....	226

In the feeding test or experiment, ten different rations and methods of feeding have been tried out. The rank of the various rations are given below; Each pen consisted of five S. C. White Leghorns and five Buff Orpingtons. The result is as follows:

	Eggs.
Maine method.....	1588
New York method.....	1510
Norwich Feeder.....	1495
Canadian method.....	1467
Confined to house.....	1462
Feed of all kinds.....	1397
Saylor method.....	1394
Farmer's method.....	1377
Egg farm method.....	1280
Connecticut method.....	1226

### The Three Hundred Egg Hen in Sight.

Is the three hundred egg hen a possibility? We believe that she is. The day is not far distant when this record will possibly be reached by some experiment station or some reliable egg laying contest. Some were inclined to question the record of "Lady Showyou," the 281-egg hen which was developed at this place in our last year's contest. But we are now told that Canada has a 282 Barred Plymouth Rock hen at the Guelph, Ont. Experiment Station. The contest at the Storrs, Conn. Experiment Station has just announced a 282-egg S. C. White Leghorn hen, and the Oregon Agricultural College reports a 291-egg hen. With such records as these coming from such reliable institutions, are we not rapidly approaching the day when some one is going to develop a 300-egg hen? In fact, they may become quite common if the present practice of careful selection and systematic breeding is to continue. Only a few years ago we looked upon the 200-egg hen with suspicion, but today there are thousands of them.

Our aim should not be especially for 300-egg hens, but our efforts should be along the line of obtaining a high average production from our flocks. By breeding from birds selected for constitutional vigor, breeding from high average producing females, and by mating these to bred-to-lay males, we are certain to see a marked increase in the number of eggs laid by the average farm hen. Egg laying

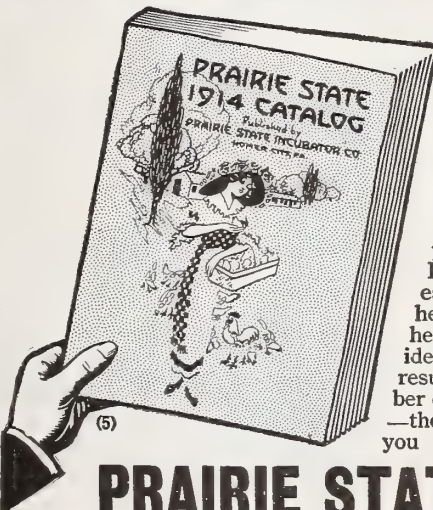
contests and poultry experimental departments are doing wonders to increase the production and the profits from the average flock. May the click of the trap nest continue, may hens continue to break records, and may we

continue to study the problems of feeding, breeding, housing, care and management, until we may see the day when the average hen will be sufficiently productive to insure her owner a reasonable profit.

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The climate of Virginia and North Carolina is ideal for poultry farming and many people are getting rich out of small fruit and poultry farms. There is little snow and chicken houses don't need to be heated in winter. Nearby markets pay good prices. Write today for list of small and large farms suitable for poultry, fruit, stock raising, dairying or general farming. Good, well-watered lands from \$10 an acre up. Abundant rainfall—average 4 inches monthly in 1913.

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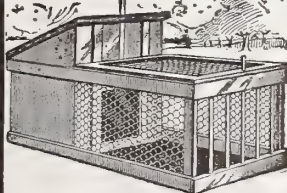
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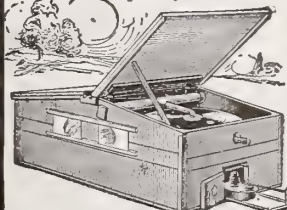
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# Recent Inventions for Poultrymen

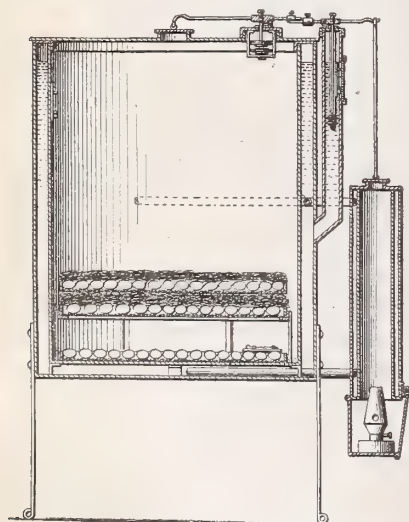
By Lester B. Sargent, Patent Attorney, Washington, D.C.

THE new poultry inventions for which United States letters patent were granted September 30 to October 28, inclusive, present a varied but interesting and instructive display of inventive ingenuity applied to the poultry industry.

A Semifireless Incubator is the invention of Cyrus W. Zimmer, of New York City. This incubator is water-jacketed. The heater which is arranged at one side of the incubator, also is provided with a water-jacketed flue. Water which is heated by the action of the lamp in the water jacket of the flue passes into the water space of the body of the incubator and the cooler water from the latter returns back through a return pipe in to the heating flue, thus keeping up a constant circulation of heated water to maintain the incubating chamber at a substantially uniform temperature. A thermostatic wafer, at the top of the

incubation has progressed most is utilized to maintain the required temperature in the incubating chamber and to continue the hatching of all the eggs. When the day for hatching arrives the lowest layer is relieved of the weight of the other layers, which are first removed and then replaced on a support in the same order as before. "The feather mats which I employ in my incubator," says the inventor, "to cover the layers or eggs serve to retain

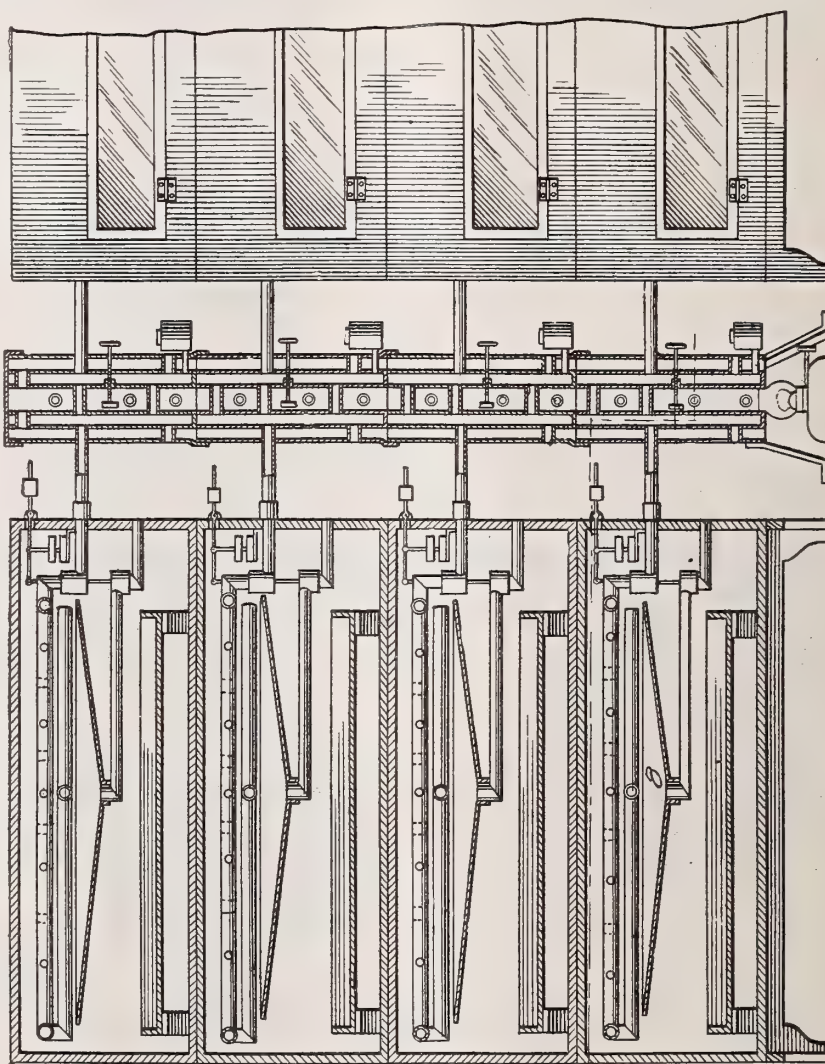
Montana. Sections are arranged one on top of another and provided with a common heating system, connected with hot air distributing pipes in each incubator section or unit, in combination with a cold fresh air supplying means which is opened when the temperature operating on a thermostat cuts off a supply of hot air. In the illustration, F indicates the thermostat; D the hot air pipes; E the funnel for supplying cold air; G a unit of the cen-



Semifireless Incubator, patented October 14, 1913, by Cyrus W. Zimmer, New York City. No. 1,075,747.

incubator, in connection with a damper directly controls the draft from the lamp to regulate the temperature. The temperature of the incubator is also regulated through the instrumentality in an auxiliary regulator of a pin, thermostatic wafer and weighted lever, which latter operates the damper of the water jacketed heating flue.

A novel process of hatching is followed by this inventor, a new layer of eggs being introduced each day, for ten consecutive days. Each layer is separated by and covered with a feather mat. After the twelfth day the lamp is extinguished, or the heating partially discontinued, and when the incubator has partially cooled the egg trays are taken out, and the eggs replaced in the incubator chamber, the oldest eggs in point of incubation being placed at the bottom on feather mats. Thus the animal heat in eggs in which



Heating System for Sectionalized Brooders and Incubators, patented October 21, 1913, by Henry Hohoff, Deer Lodge, Mont. No. 1,076,576.

heat and also to ventilate the eggs and closely approach natural conditions. The operator can vary the number of cover mats over the eggs as may be required to retain the necessary heat and moisture in the incubating chamber." Patent No. 1,075,747.

A Heating System for Sectionalized Brooders and Incubators has been invented by Henry Hohoff, of Deer Lodge,

Mont. Each unit consists of a central flue, having a fresh air flue arranged concentric around it, and communicating with this flue are inlet pipes of the incubator and brooder sections. The central heating flue of the sections G communicate to form a single passage through which the fire gases or heating medium passes, a lamp H being located



at the base of the central flue. The bottom of each fresh air flue is closed to form a pan to hold water to supply the needed moisture to the air for the incubators. This arrangement of incubator and brooder sections one on top of another economizes floor space, lamps, etc. Patent No. 1,076,576.

A way has been found, also, to water the poultry, automatically, regularly, and with no one on duty but the Poultry Automatic Water-Feeder invented by John H. Crowell, of Vineyard Haven, Massachusetts. The invention comprises a water reservoir or receptacle, having an inlet which may be connected with a pipe or hose from a water supply source. Positioned lower down in the reservoir is an outlet valve for conducting water to the various drinking fountains. The automatic regulation of the water supply is effected by a float which floats on the water in the reservoir, and is rockably suspended from the connecting member of two rods which form a toggle joint, one of the members of the toggle joint being attached to a piston in the housing covering the reservoir, and the other member of the toggle joint being attached to a piston-like valve the conical end of which is adapted to close the inlet pipe conduit, and control the admission of water from that pipe. A coiled spring between the piston-valve and a similar coiled spring operating upon the companion piston member insure the effectual operation of the valve. Unrestricted rotary and reciprocating movements of the valve and piston in their housings insure effectual action and prevent any liability of binding or cramping of the toggle joint. As the water falls the float falls with it and opens the valve 2 to admit to the reservoir. As the water again

dinarily a tube of cheesecloth or other suitable fabric—for suspending the eggs one within a cell. The partitions which divide the crate into cells serve also to support the egg-containing tube. These partitions are fitted into the corrugations of the lining of the crate

Fig. 1.

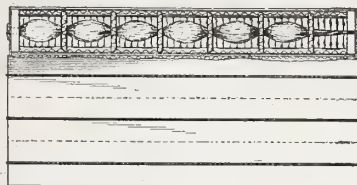


Fig. 2.

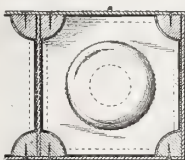


Fig. 3.

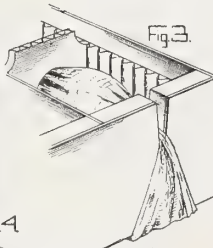


Fig. 4.



Parcel Post Egg Carrier, patented September 30, 1913, by Edward A. Dieterich, New York City. No. 1,074,415.

which is of corrugated paper board. The cloth tube is secured in slots at the end of the crate. The box is strengthened by stiffening rods on the bottom and sides of the box, these rods fitting into cut-out portions of the corners of the partitions. Similar stiffening rods in the cover fit into top cut-out corners of the partitions, thus

the hopper at the hour set and distribute grain which falls on a conical spreader located under the hopper and is thus scattered about. The hopper is mounted on spaced legs which are secured to the conical spreader. For convenience in carrying the feeder

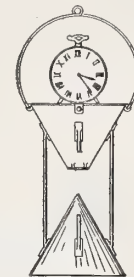


Fig. 1.

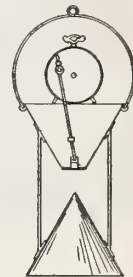


Fig. 3.

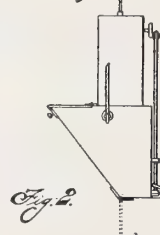


Fig. 2.

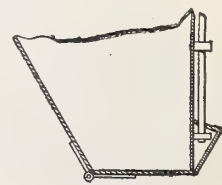


Fig. 4.

Time-controlled stock feeder, patented October 21, 1913, by Charles Daminaitis, Cleveland, O. No. 1,076,193.

about a bail is attached to the hopper. Patent No. 1,076,193.

An aged egg becomes the herald of his own decrepitude when placed in the Hydrometric Egg Detector invented by W. H. Hutchinson, of Rochester, New York. Not only does it tell "good" from "bad" but it indicates a wide range of changes between the state of strict freshness and lax rottenness. The method is by determining its specific gravity, which the inventor has found is a sure indication of condition, irrespective of age, since the condition is influenced mainly by the quality of

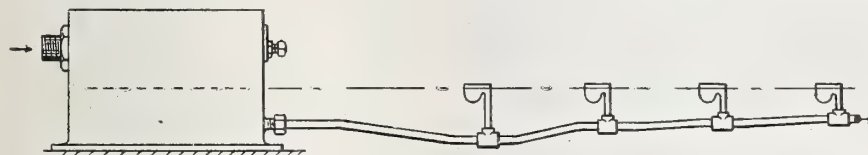


Fig. 1.

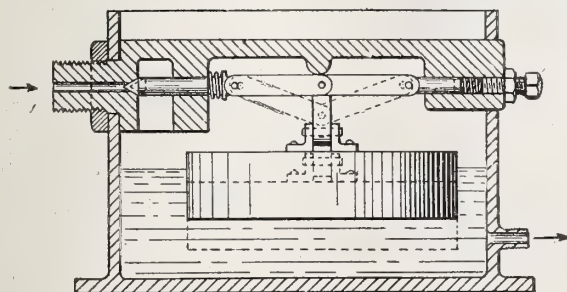


Fig. 2.

Poultry Automatic Water Feeder, patented October 21, 1913, by John H. Crowell, Vineyard Haven, Mass. No. 1,076,351.

raises, the float rises with it and actuates the toggle-joint to close the valve and stop the inflow of water. Thus a uniform water level is maintained in the reservoir and in drinking fountains supplied from it. Patent 1,076,351.

"How to send eggs by Parcel Post" is a problem solved by the invention of Edward A. Dieterich, of New York City, patent 1,074,415. Use is made of a box or crate provided with individual cells and flexible means—or-

providing a durable box of light weight.

The problem of how everybody may go off for a picnic and still have the hens and chickens get their dinner at the proper time is solved by the invention of Charles Daminaitis of Cleveland, Ohio. His Time-controlled Stock Feeder is particularly intended for feeding poultry. He provides a hopper having a hinged valve at the bottom, and a rod attached to the valve and connected with an alarm clock, to open

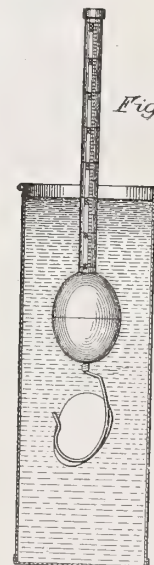


Fig. 1.



Fig. 2.

Hydrometric Egg Detector, patented October 14, 1913, by W. H. Hutchinson, Rochester, N. Y. No. 1,075,477.

the contents and the temperature at which the eggs have been maintained. The device consists of a hollow body formed of cup-shaped metal sections held together by a separate ring, and having a holder of wire attached to

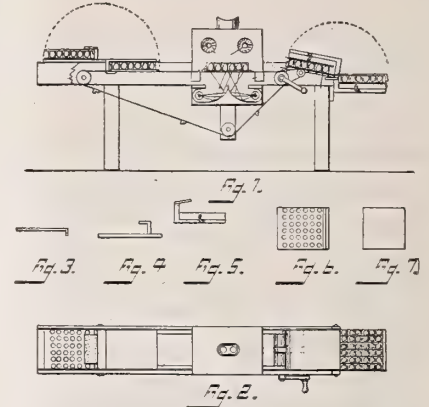


one section to hold the egg, while the upper section has a neck to which a tubular scale is secured. A removable cover is provided at the top of the tubular scale, so that shot may be in-

serted in the tubular scale to weight the device, or to standardize different instruments. The egg in the holder is submerged in a liquid, the surface of which registers the grade of egg on

the tubular scale. Patent 1,075,477.

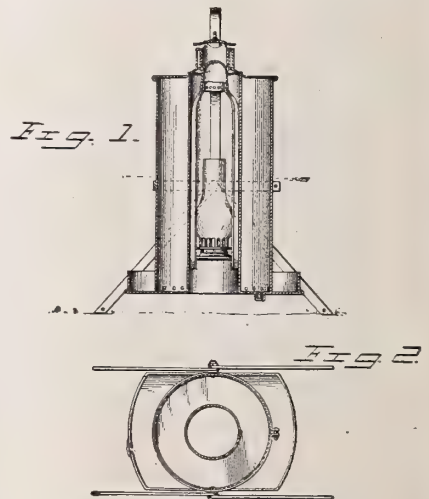
William W. Foster, of San Diego, California, has invented an Egg-Candler for testing eggs in large quantities with minimum handling and breakage. The machine is designed to employ three operators, one placing the fillers upon the initial platen, another being at the dark box, and the third removing and replacing eggs in the case. The invention comprises a frame, a conveyor belt mounted to travel longitudinally in the frame, a dark box mounted on the frame over the conveyor belt, provided with armholes and light excluding sleeves. The belt is adapted to carry a filler of eggs in the filler into the dark box. An eye shield is mounted on the top of the dark box and a reflector is mounted under the dark box and lamps are mounted at the side of the reflector, the lamps and reflector being adapted to radiate light through the eggs in the filler conveyed into the dark box. Receptacles are provided for fresh eggs and rots. Patent 1,075,640.



Egg Candler, patented October 14, 1913, by William W. Foster, San Diego, Calif. No. 1,075,640.

Finally in the frame, a dark box mounted on the frame over the conveyor belt, provided with armholes and light excluding sleeves. The belt is adapted to carry a filler of eggs in the filler into the dark box. An eye shield is mounted on the top of the dark box and a reflector is mounted under the dark box and lamps are mounted at the side of the reflector, the lamps and reflector being adapted to radiate light through the eggs in the filler conveyed into the dark box. Receptacles are provided for fresh eggs and rots. Patent 1,075,640.

A Poultry-Fountain in which water will not freeze in winter has been designed by Daniel L. McCuningham and Earl M. Wilson, of Sedan, Kansas. It is provided with a central annular chamber in which a lamp or other heat-



Non-freezing Poultry Fountain, patented October 28, 1913, by Daniel L. McCuningham and Earl M. Wilson, Sedan, Kansas. No. 1,076,777.

ing means may be retained. A shield or wind guard secured to the lamp by metallic straps, covers the top of the chamber and prevents the wind from extinguishing the flame. Patent No. 1,076,777.



## Monmouth Leghorns Win At Hagerstown

At the recent big, Hagerstown Poultry Show, we won on S. C. White Leghorns, 1st Pen, 4th Cock, 4th Hen, 4th and 5th Cockerel, 4th and 5th Pullet. The 1st Pen was awarded the Best Pen of the Show—all varieties competing. Our Buff Leghorns won 1st Pen, 4th Cock, 2nd and 3rd Hen, 1st Cockerel and 1st and 3rd Pullet. Our 1st Cockerel and 1st Pullet also won all special awards.

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will save half your feed bills and double egg yield. Guaranteed to cut more bone, in less time, with less labor, than any other. Send for Special Trial Offer and handsome catalogue.

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White St. Factory, Joliet, Ills.



# Home and the Table

## Good Things for Everybody

Helen F. Woods  
Editor

The earth has grown old with its burden of care,  
But at Christmas it always is young.  
The heart of the jewel burns lustrous and fair,  
And its soul full of music breaks forth on the air  
When the song of the angels is sung. —Phillips Brooks.

SOME ONE HAS said that Christmas isn't a season but a feeling, and that there are too many of us that haven't it. True it is, that each day as this time of Peace and Good-Will draws near, we hear people express the wish that it were over, and that they dread the hurry and rush, the obligation to friends, the "nuisance" of trying to make it pleasant for the children.

These people have lost heart in what should more than all other times be made a home or heart festival. The heart quality is the fountain head of Christmas; without it Christmas becomes a dead failure. It is essentially a festival that grips the heart, in its appeal of Peace on Earth, Good-Will to man. At no other time does the mind recall the scenes and pleasures of childhood and home, with such love and tenderness as at the Christmas season.

Last year the editor of this department received numerous letters from readers commenting on a reference to this fact. One writes as follows:

"I am so glad to read your plea for a Christmas from the heart. It went straight to my heart. So many of us cannot send out the gifts we would like to. We have not the money to buy them nor the time to make them, but if Christmas is really in the heart, those we love and those with whom we are associated will know the joy of this beautiful season.

"I have enjoyed your stories. Will you allow me to tell you one?

"I left home a bride fifteen years ago. The world looked rosy and good to me and I was filled with the joy of living. One after another disappointment came. My husband failed in business and other trials harder to bear were my lot, but I will not retail my woes. It is happiness I want to talk about. Each year as the Christmas season came around I wanted to send some 'big' thing to the dear Mother at home, something that would show my thought and love for her. But there always seemed to be some reason why I could not send the things which appealed to me as 'big' things and when this fifteenth year away from her came around, I could only write her a letter in which I recalled some of the precious Christmas memories that were so vital a part of my childhood. The reply came written in the familiar shaky hand and enclosed with it was a Christmas card, the sentiment of which read 'Nothing half so sweet at Yule as thoughts of Auld Lang Syne.' You will understand, I am sure, what this card meant to me. It was the dearest appreciation of any Christmas gift I ever sent."

Another reader writes:

"The heart has memories that can never die; the rough usage of the world cannot obliterate them. Feeble age, trembling on the brink of the grave, has them when everything else has fled away and been forgotten.

"They are memories of home; early home—the house where we were born—the garden, with its roses, where the robins made their nests, spring after spring, paying their rent in songs such as we dream of; where the children used to play, while the mother sat by the window, her face beaming out occasionally through the folds of the muslin curtain; the same old house,

ever blot from the heart the memories of the springtime of life. These memories will reproduce, on the verge of eternity, the freshness of emotion, of life and desire, with which existence on earth began."

And so it goes. The best things in the world are not for sale. They lie within the individual to bring about. The Christmas feeling is not a commonplace thing. It creates one of the most wonderful times of the whole year. If you do not believe it, take a walk through the business section of any of our large cities a day or two before this intensely human festival. Everywhere people are hurrying and scurrying, all bent on the same glad purpose, in an effort to show their love or appreciation of each other's



"There are memories of Home."

with its pointed gables, quaint cornices and antique windows; the wainscoted chamber where we used to dream of all the great glad world had in store for us. Dear old home, with its gay dreams, its sunny hours, and cloudless skies, its Christmas seasons with visions of bliss, and glorious happiness gone—all gone, but the memories remain.

"The traveler, climbing the mountains of land not his own, amid all his toil and changes, reverts ever and anon to the time when, a youth or a school boy, he roamed the fields and hills of his native home.

"The mariner, rocked by the storms of the sea, or resting at some foreign port, will run through the long lapse of years back to the house where, with brother and sister, he frolicked the joyous hours of youth away.

"Neither change nor time—neither age nor youth—neither distance nor disease—neither guilt nor passion—can

worth. Every other interest becomes of minor importance in the face of the one big thing, that of thought for others. Business men will tell you that they cannot successfully put through a big deal at such a time except as it applies to Christmas, teachers will tell you that the schoolroom becomes rife with anticipation of the approaching glad time of the year, mothers will tell you it is the one subject of conversation in their households. The very air is Christmassy. The throngs on the streets, the crowds in the shops, all weary, perhaps, with the rush and bustle, yet showing that they have forgotten for a time, at least, the matters of moment that oppressed them yesterday, and that may confront them the day after. Is it not then a most wonderful thing that for a day or two we can lay aside all the big problems, all the petty annoyances and break up the routine of business or purely selfish interests, bringing



about a season of thought for others?

All humans have their troubles, but here is a time that we can laugh in the face of trouble. Weeping over trivial happenings is out of style, and the rehearsing of one's woes has never bettered matters. Real happiness seldom if ever just happens, nor is it manufactured and placed on sale. It is invariably a home made article and does not easily wear threadbare. Poverty cannot sicken, nor age wither it. Like Christmas it is a "feeling" and we have it each within ourselves. On Christmas morning it should be everywhere. You and I can make it be felt in more ways than one, but principally by calling into action the deep and abiding heart forces, with a fresh consignment of love and good cheer. We want to be a little less envious of the good things those about us are possessed of, a little less spiteful and vindictive in our dealings with others, less suspicious of the motives of our associates. We want to be right at heart; to put more heart into our work, into our play, and into our lives, and to perpetuate this spirit of kindness and Good-Will throughout the year.

A Merrie Christmas to you all.  
"Prepare the song, the feast, the ball,  
To welcome Merrie Christmas."

#### Virginia Baked Ham.

Select a well rounded ham and scrub thoroughly in warm water. Put to soak over night in a kettle of warm water in which a half cup molasses has been added. In the morning cover with cold water and bring slowly to a boil. Remove to the back of the stove and allow to simmer for four hours. Remove to a baking pan, pour one-half

cup molasses over the ham, insert a dozen or more whole cloves in the fatty parts, and cover with a crust of flour and cold water made just stiff enough to mould over the ham. Place in a slow oven in a baking pan and allow to bake for four or more hours, according to the size of the ham. When done remove the crust, garnish with whole cloves and "pepper spots" and serve hot or cold with current jelly.

#### Four-Egg Angel Cake.

By Miss L.

For a tin, 7½ inches over top, 2½ deep, scalloped edge, with center tunnel. Beat the whites of 4 eggs very stiff, add ½ cup of sugar, 1½ cups pastry flour, sifted several times to make it lighter, little salt, teaspoon vanilla, ½ teaspoon cream of tartar. Don't grease the tin, but when cake is done, stand tin on two dishes upside down, until it falls out. Put a towel or soft cloth under it to drop on and turn it right side up at once.

#### Christmas Plum Loaf.

Beat to a cream one and one-half cups butter with three cups light brown sugar. Add a tablespoonful cinnamon, a teaspoonful each of ground cloves and mace and one-half nutmeg grated. Dissolve one-half level teaspoon of soda in a half cupful of sour cream and add to the other mixture, together with half cupful best molasses and beat thoroughly. Add six eggs, one by one, beating well between each addition. Then a wine glass of brandy or fruit juice. Sift in four cups of flour, stirring well with a heavy spoon or ladle. Have prepared one pound each seeded raisins and well cleaned

currants, a quarter of a pound of chopped citron and an eighth of a pound each candied orange and lemon peel, chopped fine, and one-quarter pound English walnut meats, flouring all well before adding to the cake. When thoroughly mixed pour into brick shaped tins lined with buttered paper and bake in a moderate oven for from two to three hours. Cover the top with paper if it browns too quickly on top, and watch carefully that the oven does not get too hot. When baked, spread with a thick boiled frosting to which finely chopped almonds have been added. When this frosting dries, cover with a plain white frosting. This cake improves with age, but should not be frosted until the day before using.

#### How to Make Bayberry Candles.

By Miss L.

Set the berries on the stove and boil them hard for four hours, then put them back where they will simmer for a while but not boil. Leave them over night to cool. In the morning there will be a cake of clear green wax. With this add 1 ounce of paraffine; melt both and run the liquid through brown paper moulds; these had been shaped over wax candles held upright in sand. The wicks can be put in straws and placed in the center of the candle; when cooled they are handsome light green bayberry candles.

#### Cheese Delicious.

By Miss L.

Ten cent package cream cheese.  
Ten cents worth Roquefort.  
1 tablespoonful butter.  
2 green peppers.  
1 large Bermuda onion.  
1 half stalk celery.  
Rub the two kinds of cheese and butter to a smooth paste, add the finely chopped onions, peppers and celery. Mix well and season with salt and pepper and place on ice to harden. Serve with hot toasted crackers.

#### Chicken a la King.

Cut the white meat of a boiled chicken into discs and place in a sauce pan on the back of the range. Add just enough cream to the chicken meat to cover it, together with a sweet red pepper cut into discs. Season with salt and pepper and allow to simmer gently for about fifteen minutes. Remove the saucepan to a basin of hot water and add the beaten yolk of an egg, not allowing it to boil. Add lump of butter the size of a walnut and serve on squares of fresh made toast or in patty cases. This is very delicious made in chafing dish.

#### Fruit Sauce for Plum Pudding.

Boil two cups sugar and one of water for ten minutes. Moisten two teaspoonfuls cornstarch with a little cold water and add to the sugar and water syrup. Stir until it thickens. Remove to the back of the stove and add half a cupful candied cherries cut in halves and a few pistache nuts chopped fine. Flavor with vanilla.

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# Questions and Answers

Conducted by  
Prince F. Woods, M. D.

## Egg Production Month by Month.

Q. (1) Please give the normal rate of egg production for this climate, that is, the average number of eggs per day a flock of 100 hens should lay each month in the year.

A. (1) We don't know the normal egg yield. Would expect it to vary according to circumstances and location. The following figures are based on the actual performance of a flock of 1,000 layers (White Rocks and R. I. Reds) on a New England egg farm from the records of one full year. The average yield per hundred hens per day, month by month, was as follows:

Month—	Av. daily egg yield.
November .....	20 eggs
December .....	20 eggs
January .....	30 eggs
February .....	40 eggs
March .....	55 eggs
April .....	65 eggs
May .....	60 eggs
June .....	55 eggs
July .....	45 eggs
August .....	30 eggs
September .....	30 eggs

October ..... 20 eggs

Q. (2) What does it cost to produce eggs, cost per dozen on average, month by month?

Danvers, Mass.

W. D. J.

A. (2) A good deal depends upon circumstances and local conditions. This is a matter every poultryman will have to figure out for himself. See article "What is the cost of producing eggs?" in November A. P. J. In figuring cost of production there are many items of expense to consider besides the mere cost of food for the fowls. Labor, interest, upkeep, maintenance, etc., are considerable items of expense and must be considered.

As to food cost, you can figure it for yourself. It costs very nearly six-tenths of a cent a day to feed a laying hen, a trifle less in spring and summer and a little more in the cold weather of fall and winter. In New England the total cost for food alone for one layer for one year was approximately \$2.10. This estimate was based on average price of grain at \$1.75 per hundred pounds and mill stuff at \$1.60 per hundred pounds. Where grain has

gone to \$2 and \$2.25 a bag, as it has in some sections, the cost of food for one layer would be proportionately more. An old farmer friend of ours used to always contend that the retail price of two bushels of good wheat indicated, as a rule, the cost of feeding a laying hen a year. He used to say: "Dollar a bushel for wheat makes two dollars a year to keep a laying hen."

## Wants Large Sized Light Brahmas.

Q. I am a poultry fancier in a small way, as I live in the city, and my favorites are Light Brahmas. I want to introduce new blood in my stock, by procuring good young cockerels, but up to the present time I have been unable to get what I want. If you can help me out will be very grateful.

My birds are very large. My pullets that are laying weigh 9½ pounds each and my 15 months old cocks tip the scales at from 11 to 12 pounds. I have written to several advertisers and cannot get anything better offered than 18 months old cocks that do not weigh more than 7 to 7½ pounds each.



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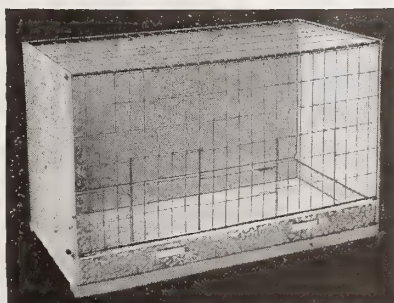
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I do not care to use that kind. I want good healthy, vigorous thoroughbred stock that is bred as heavy as my own.  
V. A. Scheffel.

Box 763, Pensacola, Fla.

A. Would suggest that you try to buy a few good heavy females as well as a male for new blood. If any of our readers can supply good standard-bred Light Brahmas of weights desired, in good condition but not fat and possessing strong constitutional vigor, we hope they will write to Mr. Scheffel.

#### Feather Eating Lice.

Q. Enclosed find a feather tip from a White Orpington. The bird is in full molt and the feather is a new one. There are a great many of the saddle feathers that look just like this one. It looks as if eaten by some sort of

parasite. Can you suggest a remedy for the evil?

Aurora, Ills.

A. The feather does not look like a new one, although as only tip was sent we are not sure about that. It is evidently the feather of a very lousy bird. Certain varieties of lice eat the feathers in such fashion. Would dust the bird thoroughly with pure fresh ground Persian pyrethrum powder, working the powder into the plumage on all parts of body well down to the skin. Or you can give the bird a good bath in warm soap suds, rinse and dry thoroughly in a warm room. All birds in your flock will need a thorough dusting for lice.

#### Influenza.

Q. Every fall, when there is a sudden change in temperature, a number

of birds take influenza. I can generally cure it with a one grain quinine pill, but where there are many ailing birds it is quite a bother. Isn't there something that could be put in the drinking water to prevent and cure this?

F. C.

Sellersville, Pa.

A. If the quinine pill works well, better stick to it. Prevent the trouble by breeding only vigorous healthy stock, avoiding crowding of sleeping quarters and by using open-air coops and houses. Dipping the fowls' heads in solution of one teaspoonful of creolin in a quart of water is usually effective for colds and sneezing of this sort. Also mixing half a teaspoonful of spirits of camphor with a heaping teaspoonful of sugar and dissolving the whole in half a gallon of drinking water makes an effective remedy.

#### Forcing the Molt.

Q. Please instruct how to force the moult.

E. S.

Rockton, Ills.

A. We don't advise forcing the moult, believe it does more harm than good. Usual procedure is to put fowls on grass range for two or three weeks and allow only a small feeding of hard grain once a day. Then coop the birds and feed heavily on laying ration rich in protein. Better feed the birds well and provide liberal range and allow them to moult naturally.

#### Early Roosting vs. Crooked Breast-bones.

Q. I have some Leghorn chicks eight weeks old and at night they huddle close together. Do you think it would be better to let them roost as young as this? If they do roost will it make them have a crooked keel bone?

Lawrence, Mass.

R. J. T.

A. If a chicken possesses good sound constitutional vigor and is well fed and cared for, early roosting will not cause crooked keel or breast bones. The crooked breast bone is usually an indication of lack of constitutional vigor or poor feeding and malnutrition.

We would let the chickens roost as early as they want to and would supply an abundance of wholesome food and fresh raw greens. We had the privilege, recently, of looking over a large flock of fine healthy Rhode Island Reds that began perching on any convenient roost very early in life and had regularly gone to roost in the trees from the time that they were well feathered out. We didn't find a crooked keel in the whole flock and they were all full bodied strong specimens. One, which we saw dressed, had the best developed lungs we ever saw in a chicken and the chicken, as a whole, was as nearly perfect physically as we ever saw one. Another flock of chickens on a small lot had never roosted and had not had anything to roost on, being bedded with litter. At four months old every one had a crooked keel.

Roosting early may result in crooked

**AN** incubator is only as good as its thermometer. The very best machine will fail if its thermometer is unreliable. The poultryman **must** be certain that the temperature is what the thermometer says it is. Avoid failure — see that your next incubator is equipped with a "Tycos".

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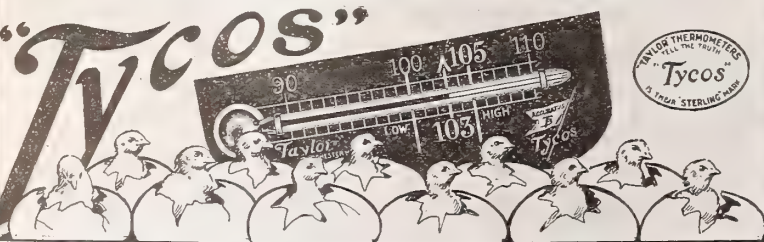
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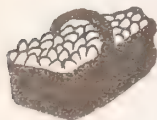
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If not handled by your dealer, send his name and your order for any size above \$1.00, and we will prepay transportation east of Kansas City.

THE G. E. CONKEY CO., CLEVELAND, OHIO

Dept. 18





breast bone in some cases, but usually it will be found that the real cause of this trouble is malnutrition and lack of constitutional vigor. Chicks that sleep in open-air, slat-bottomed coops from the time they are a week old and go into the trees to roost as soon as they are well feathered, or at about ten weeks old, if bred from stock possessing strong constitutional vigor and if kept well fed, will have firm straight keels with never a sign of crookedness.

#### Color of Rhode Island Red Eyes.

Q. Should all S. C. Rhode Island Reds have red eyes? G.

New Haven, Conn.

A. Color of eyes should be red.

#### Mating Rhode Island Reds.

Q. I am a beginner and want to know how to mate Rhode Island Reds for best results. W. C. W.

New Haven, Conn.

A. Here are the opinions of some of our representative breeders on this subject:

S. R. Howe, Lakeview Poultry Farm, Deerfield, Ill., says: "To produce best exhibition males I would select a male well developed rather high on legs; tail carried almost horizontally; small comb; surface color on the whole extra dark. Hackle darker than the back but no ticking. Undercolor absolutely clear. To such a male I would mate females chosen as follows: Select well developed bird, tail carried at angle of 45 degrees; long back; small comb. Hackle slightly darker than back but no ticking. Good black tail. I prefer a clear wing on female and in producing an exhibition male I leave the markings of the wing entirely to the male side.

"To produce exhibition females I select a male bird with long horizontal back, very strong tail and wing, slight ticking on surface of hackle. Always depend on the male to throw the black. Keep the females free from black in hackle. With such a male would use following females: Select real dark birds, a little smut in the undercolor will do no harm. Strong a wing as possible, also strong tail. Hackle absolutely free from ticking. Horizontal back is essential. Rely on male bird for important sections."

Simmons & Crittenden, Geneva, Ohio, advise the following: "To produce exhibition males we want a cock that will weigh 7½ pounds or more. Should be medium dark brilliant red color with rich red undercolor. Small low comb. Red eyes. Strong in black markings, tail having a greenish tint. Want bird of good type with good breeding behind him. To this bird mate females that are large and strong in type, good eyes and comb. Strong clean undercolor and rich red surface color. Good black tail and wing markings and a slightly ticked hackle. In this mating have plenty of black in order to get dark brilliant colored males.

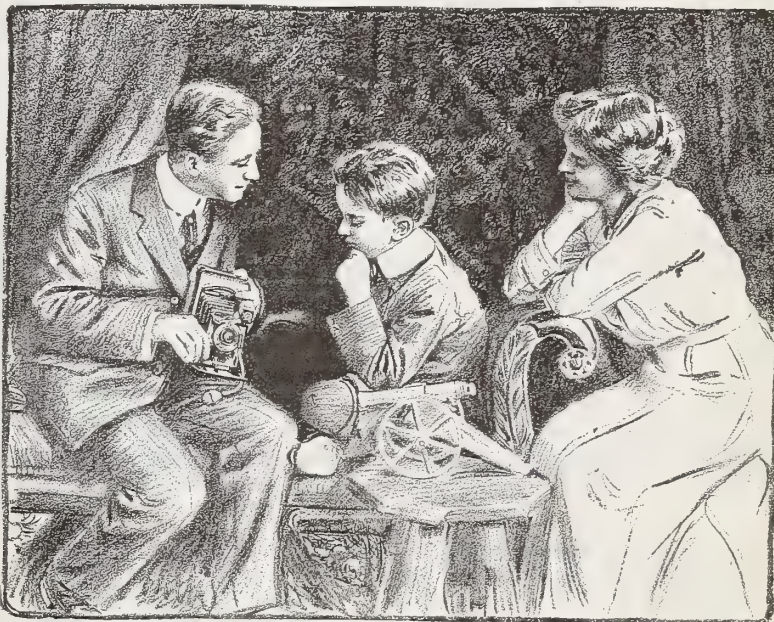
"To get exhibition pullets use a male similar to one used in cockerel mating,

but be sure that he has good clean undercolor. It will not hurt him to have a little ticking in hackle. With such male use same female as described in cockerel mating, although it will do no harm if the females show a little black on wing bows. You have to use black to keep the red, but do not go to extremes."

Phil M. Ferry, Idlewood Poultry Farm, Swanville, Pa., says: "To produce good Rhode Island Reds use a male with deep dark consistent red surface with an extremely rich red un-

dercolor, strong in shape, head points and markings. Mate him with females that have deep, long bodies; very rich even surface color and rich red undercolor, good markings and head points. Surface should be a rich medium red rather than extremely dark."

A. A. Carver, Seville, Ohio, says: "To produce exhibition males: Select a dark rich velvet red cock bird, long in back, with good black markings and head points. A typical Tompkins shape, type and style is my kind of a bird. One showing strong vigor and a



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Send dealer's name and 4 cents and we will send you a copy of Conkey's 80 page Poultry Book.

**TOO LATE**





male that I know positively has breeding for several generations back. No bird of uncertain parentage should get into the breeding pens. Mate with this male females strong in type, with color corresponding to breast of male. Pay strict attention to blood lines for two or three generations back, and longer if possible. Had much rather have good blood lines back of female than a strong marked female of uncertain ancestry.

"To produce exhibition females: Choose a male very strong in color and strong blood lines. Mate him with females of strong color and good blood lines. Take yearling or older hens that can go through the moult and hold their color."

W. S. Harris, Mansfield, Mass., advises single matings and says: "Breed a Red male with a brilliant uniform red surface color, a deep red undercolor (the deeper red the better), wings and tail strong in black, to females that are equally as strong in markings as the male, shanks of both sexes yellow or reddish horn color preferred, as this denotes stamina. Eyes red and the shape of both male and female to

be well rounded, deep and long bodied. Vigor should not be lost sight of, for health comes first and health is the foundation to breed upon."

R. I. Armstrong, Columbus, Ohio, says: "To produce show males, use a male with dark even surface color, no shafting on breast and with or without smut in undercolor, mated to clear females, also free from shafting. To produce show pullets, use strong even colored male with clear red undercolor and mate with females having plenty of black in wings and tail."

F. L. Ober, Verona, Pa., recommends a single mating and would use male that is good size and shape, deep red, even shade all through surface and undercolor and strong in Standard points. Mate with him large sized females with long backs and a good even red color (as near like breast of male as possible).

#### Mating Barred Plymouth Rocks.

Q. I have a few Barred Plymouth Rocks that are fine and I want to keep them so. I am an amateur breeder and want to know how to mate my birds properly. Please advise me.

Gates Mills, O.

F. S.

A. Here are the opinions of several representative successful breeders and fanciers:

#### When Mating to Produce Exhibition Males.

H. D. Riley, Strafford, Pa., advises: "Use a male of as strong color as possible and of even shade, narrow barring and good undercolor. Mate him with a dark female having bars that show a good contrast in black and white, good wings if possible, bay eyes and snappy narrow barring."

Fred P. Erdman, Normal, Ill., says: "The male bird should be as near the typical Rock shape as possible, with good points, barring close as you can get it, color clean on surface and strong under. The black bar to be a little wider than the white. The female to mate to above bird should also have the desired Standard qualities in shape and points. This bird must be bred in line to the male for best results. In barring she must be very dark, the black bar to be about three times as wide as the white and the white as narrow as possible. The surface color must not be smoky."

O. F. Mittendorf, Lincoln, Ill., wants a cock "of sturdy build, medium low comb, broad across back, wide between legs, exhibition color, clear and deeply barred and of even color in all sections. To such a male mate standard size females clearly barred with light bar about one-third the width of the dark bar; neat comb, tail carried low, and a particularly full deep breast."

W. D. Holterman, Fort Wayne, Ind., says: "I would use an exhibition male in type. Insist on strong contrast in black and white bars, with bars narrow down to the skin and in a straight line across the feather, especially on the surface. Mate with this male females of large full type, with broad rather long body and low well-spread tail. Body carried on a horizontal keel. Barring very snappy, showing sharp, clean and distinctly white and black on surface. Black bar twice as heavy as light bar. Barring strong and clean down to skin."

Charles A. Gifford, Rusk, Texas, recommends a male that will meet: "Standard description color eyes, beak and legs, with large comb and wattles; body long and deep; legs rather long; color one or two shades darker than Standard calls for, deep barring and clean. Mate with females that are all above Standard weight, deep long bodies, fluff full, legs long and well apart. Barring to skin, clean and free from smut or brownish cast. Black bar twice as wide as white."

W. W. Dods, Woodview Poultry Yards, London, Ont., Canada, says: "We would use a male of Standard size, not over. As near Standard type as possible. He must be even in color all over and free from brass or brown. Clean and distinctly barred in all sections, the dark bar to be black and running straight across the feather. A strong contrast between color and bars is desirable. With this male mate a female of Standard weight and type, with clean black and white barring

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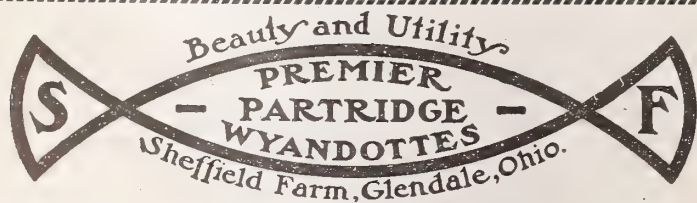
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that is very narrow. She must be barred distinctly to the skin in all sections, and be absolutely free from brown in any part of her plumage. It is not necessary to have the legs and beak a very bright yellow, providing the male is strong in these points."

E. L. Miles, Sag Harbor, N. Y., says: "Mate males that conform to Standard requirements in every respect to females much darker than Standard."

Elmer S. West, Ewing, Ky., advises: "Blood lines and vigor first. Then I would consider shape next. I prefer a male with a deep full breast, broad back with a gradual rise to a nice spread tail, well arched neck and broad head. Yellow beak and legs preferred. Legs should be set well apart and have good length. Narrow even barring extending well down to skin. I would be careful to have the female for breeding exhibition males of known blood lines, active and vigorous; short beak and head; low comb with four to six points; red eye; neck medium long with abundant hackle for the

breed. Deep full breast, with breast bone well to the front; broad back and medium height to tail; if possible clean yellow legs and beak. Plumage should be barred to the skin; the black bar should be much wider than the white on the surface, giving the hen a dark appearance."

C. H. Welles, Strafford, Conn., says: "I like a male a little darker than exhibition color and more especially so if the females are not strong in color. Females should be dark barred with sharp and strong contrast of color and with clean surface color."

**When Mating to Produce Exhibition Females.**

Henry D. Riley recommends the use of a "male of even surface color, not too light, don't want too much undercolor, but not cottony. Must have good wings. Narrow barring is not as important as on cockerel mating side. Females for this male should be not too light in color or the mating will yield washed out birds with bad hackles and breasts. Get a good sharp contrast in black and white bar and

good undercolor and barring narrow."

Fred P. Erdman requires a male of good Standard shape and type. "In barring to have narrow black bar with the white bar from 3 to 4 times as wide, the bird to have as good undercolor as you can get on light males. Mate with this male females that show barring a little wider in the dark bar than in the white. It should be made a point to keep them as clean in beak and legs as possible. All birds should have the bar as straight across the feather as possible."

W. D. Holterman recommends: "Practically an exhibition male in type. In barring very light, the dark bar being half as wide as the light bar on surface, with decided bluish tinge in the dark bar, this dark bar being lighter in color than on exhibition male. Distinct barring entire length of feather, however. With him use an exhibition female with strong barring the entire length of feather. The more bars (straight, even, regular, sharp) I can find the better I like it. I want

Having bought the Miami Poultry Yards of Mr. Jas. C. Cummins, we will now combine with the Warren Hatchery Co., and the plant will be known in future as

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We will make a specialty of day-old chicks, and will have an annual capacity of 150,000 chicks. We will hatch the following varieties: Black, White and Buff Orpingtons; Buff, Brown and White Leghorns; Partridge, Barred and White Plymouth Rocks; S. C. Rhode Island Reds, S. C. Black Minorcas, Anconas, White Wyandottes, Buff Cochins and Cornish Indian Games.

The catalogue will be ready January 1st, 1914. For a copy please address

JOSEPH L. HESTON, MANAGER,

TRENTON, OHIO



them ringy on surface and more narrow in barring than any birds shown to date."

O. F. Mittendorf says: "A male of sturdy build, medium low comb, broad across back and wide between legs. In barring the light bar should be three times as wide as the dark bar, clear and sharp barring throughout. Under barring not necessarily of same intensity as surface. Females should be standard size. Barring should be clean and sharp throughout and bars of equal width, feather ending in black tip. Use a strictly high class exhibition female with deep full breast and with legs set well apart."

C. A. Gifford wants a male "two shades lighter than exhibition color,

bluish cast barring, smooth and even shade except neck, which should be lighter. Legs long, well set and orange yellow. Beak yellow and short. Comb and wattles medium. Eyes red. Barring deep in every section. Females should be large, bodies deep and full, back broad and flat, fluff full, legs medium yellow, eyes red, beak short and yellow, tail well spread. Barring to skin, open white predominating. Wing barring very open. Comb and wattles medium."

W. A. Dods says: "In selecting a pullet breeding male we look for a male that is strong in color. By this we mean there must be a striking contrast between the light and dark bars, in other words the light bar must be

white and the dark bar must be black. We never use a bird with brown or gray in wing feathers, the darker the bar is here the better we like it. It is not necessary that the pullet breeding male have exceptionally strong undercolor. For females the ordinary exhibition female that is winning in the large shows is about what we want. If anything we prefer a female a shade or two darker than Standard. In all cases we steer clear of the eight and nine pound females. We find in nine cases out of ten that the best and finest color is found on medium sized birds, both male and female."

C. M. Myers, Hanover, Pa., breeds pullet matings exclusively and says: "For a male use bird of good Rock type, long body, broad shoulders, full breast, medium low spread tail, yellow beak and legs, red eye, low comb. Straight and narrow barring. White bars about twice as wide as black bars. White bar to be clean white and not smoky. With such male use the exhibition female of today with equal black and white bars or a trifle more black than white."

E. L. Miles says use a male "much lighter than Standard" with females possessing "all Standard requirements in shape, barring and color—if anyone knows what the color is—I think it is what the judge likes."

Elmer S. West says: "In selecting a male to breed the best exhibition females I would observe the same rule as to breeding blood lines and stamina as for an exhibition male. The plumage should be clear and silvery, free from any brassiness and an even shade of color from head to tail. The pullet bred female should conform in shape to the female of the cockerel line, with as prominent a breast. As to color the surface should be clean, barring should be narrow and sharp, giving a snappy appearance. The light and dark bars should be of nearly equal width on surface. Black and white should not mix. Beak and legs should be rich yellow."

C. H. Welles advises for males "one with fine sharp snappy barring and fair undercolor and black tipping on end of feather. Mate with females having fine sharp barring, good undercolor, good wing barring and good shape. Barring clean cut and straight across the feather."

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Golden

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White

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Make a clean sweep at the Northern District of Ill. Fair, Sept. 8-13, winning 1 cock; 1-2 cockerel; 1 pullet, 2 hen and 1-2 pen, at Ottawa, Ill., Sept. 15-20, 1-2 cock; 1-2-3 cockerel; 3 pullet; 2-3 hen; 1 pen, at Mendota, Ill., Sept. 22-27, 1-2 cock; 1-2-3 cockerel; 1-2 pullet; 1-2-3 hen; 1 pen. A lot of grand cocks and cockerels for sale.

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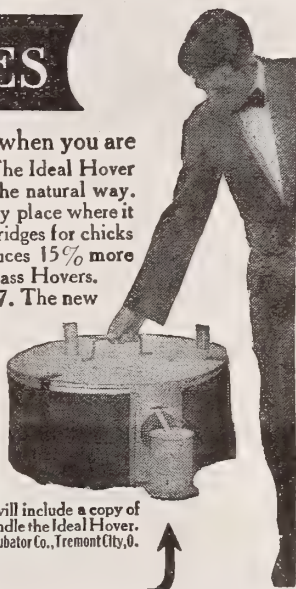
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U. R. FISHEL'S AD in this issue will interest you. Read it.

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# S. C. White Leghorns

Have won more first and special prizes in the past four years at Grand Central Palace, New York, Boston, Hagerstown, Philadelphia, etc., than all competitors combined. They have won in almost every large show held in this country and Canada for our customers. They can win for you. Our birds are better than ever this year. Proof:—Twelve firsts and ten seconds on twenty-two entries at live Long Island shows. At the

## Great Hagerstown Fair, 1913

The greatest poultry show of the year, (7,000 entries), and in the strongest class of Leghorns out this year, we won cock 1-2-3, hen 1-2-3, cockerel 1-2-3, pullet 1-2-3, old pen 1, young pen 2-3, special for best bird in the show, special for best cock, special for best bird in the Mediterranean class, etc. Write for catalogue and prices.

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WINNERS OF FIRST COCK, HEN, COCKEREL, & PULLET, BOSTON 1913 BREED, OWNED BY JOHN S. MARTIN, PORT DORER, CANADA.

At no other show on earth is the White Wyandotte seen to better advantage than at Boston's big mid-winter event, in whose records, for more than twenty years, White Wyandotte progress has been read. John S. Martin, Box 51, Port Dorer, Canada, made his first great winning at Boston in 1904, when his old "Regal" won first place in the cock class and attracted the admiration of the Japanese Government poultry experts then visiting America's leading shows. They placed on "Regal" their special award of a bronze vase for being the "best bird in the show." Mr. Martin's young birds in 1909 won special first prizes, an achievement we do not remember ever having been equaled by any other exhibitor in this class at the Boston Show. The symmetrical proportions of the pullet are typical of the "Regal" strain, and also well express the practical type Mr. Martin has persisted in retaining on account of its true value as egg producers and table poultry. Credit is due Mr. Martin and the excellence of his White Wyandottes for helping to secure to the Wyandotte Standard the more desirable description of "Moderately short."—F. L. Sewell.



## THE VALUE AND USE OF OXYGEN.

By Eugene W. Harrington.

DAVID Harum says, "thinking is good for a man on the same theory that fleas are good for a dog; they keep him from reflecting on the fact he's a dog."

Every great invention that has been presented to the world, during all the ages was the result of careful and intelligently directed thought.

Thought is the material of which ideas are made.

Harness the electric current of action to an idea, and we do things.

When the editor of this journal requested the preparation of an article on the subject of oxygen as applied to artificial incubation I was pleased to comply, and have written with a well defined purpose in mind.

That "purpose" was simply to set the poultrymen and women of this country to thinking, and on one of the most important subjects towards which the attention of the poultry world has been directed in the past twenty years.

That "subject" is oxygen; what it is; how it is applied to artificial incubation, and how it may be utilized as a preventive of the "dead in the shell" chicks and white diarrhea.

What I shall here say upon this subject is not theory, but is the result of careful investigation so conducted as to satisfy myself of the soundness of the conclusion which I have formed.

That we may have a clear, and well defined conception of the subject and

how it applies to existing conditions, I wish to first present for your careful reading an extract from a bulletin of the Oregon State Experimental Station. Please read it twice.

"Artificial incubation in recent years has assumed large proportions. Large numbers of incubators and brooders are purchased in every community, entailing in the aggregate large investments of capital. It is admitted that there are great losses in the artificial hatching of eggs and the brooding of the chicks, and many explanations are given as to the cause. The complaint is that the chicks fail to hatch, or hatching fail to live. Why the embryo should live through the incubation period and die before hatching is a problem that has bothered the incubator operator more than any other. It is a keen disappointment to anyone using an incubator to find after the eggs have progressed satisfactorily up to the time of hatching that 25 to 40 per cent of them, more or less, 'die in the shell.' This means a great loss to the poultryman, and if there was no other problem involved in artificial incubation than these 'dead in the shell' chicks, this in itself would warrant the most careful and extended investigation."

The world in general seems disposed to "stand pat" on the proposition that Man can't improve on Nature.

This is certainly so with regard to the hatching of chicks, and every man who has ever operated an incubator knows from experience that when it comes to getting results Nature is in a class by herself.

While it is true that Man can't im-

prove on nature, it is equally true that the Ingenuity of Man has made it possible to do things with a magnitude that would be impossible were we to follow strictly nature's ways.

For instance, if it were not for the incubator, the value of the poultry product of this country would, in all probability be not more than one half of the \$800,000,000 as reported by the Hon. Commissioner of Agriculture for the year of 1911.

In fact, I think it may be truthfully said that it is the incubator that has made the poultry industry what it is today.

I make this statement notwithstanding the acknowledged shortcomings of the incubator, when its results as a hatching machine are compared with those obtained when we adhere strictly to nature's way in hatching eggs under the hen.

Nature intended that every egg, when properly fertilized and properly subjected to the process of incubation, would produce a strong, healthy chick.

When placed under a hen they do. Placed in an incubator and (as stated by the Oregon State Experimental Station) from 25 to 40 per cent of them die in the shell.

It is this fact that causes, or should cause, our poultrymen and women the very greatest concern; for it is in the losses that this condition occasions that we find one of the very greatest stumbling blocks to success in the poultry business.

Naturally, then, the inquiry at once suggests itself to the inquiring mind, why will these eggs hatch and produce a chick when placed under a hen in

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The water fountains are galvanized after they are made. There's no possible chance for rust. Every piece is easy to clean and keep clean. For instance, take the **Kentuco Sanitary Wall Fountain** illustrated here. It's made with two pieces. You can get into the reservoir with a brush to clean it. There's plenty of room all around the pan for many birds to drink at the same time. No other wall fountain is built like this. No other can be cleaned so easily. Equally valuable points of construction can be found in every piece of Kentuco Ware—yet Kentuco Ware does not cost more than the less worthy stuff now on the market.

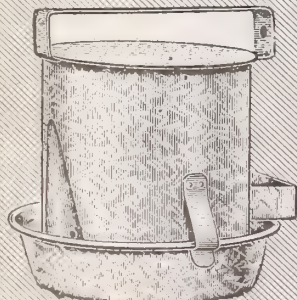
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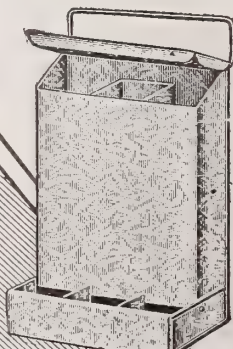
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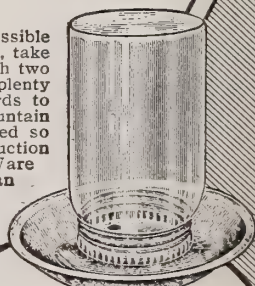
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nature's way, and why do from 25 to 40 per cent of them die in the shell when placed in an incubator in the unnatural way?

Surely there is a "cause." Now let us do some thinking.

If you will refer to any of the more recent bulletins that have from time to time been issued by the State Experimental Stations, where there is at all times going on an earnest search for the truth, you will note that they all tell you that "during the last week of incubation the eggs throw off quantities of carbon dioxide."

For instance we will take the bulletin of the New York State College of Agriculture, issued in December, 1911, wherein Professor Finch says:

"During the last two or three days of incubation the eggs give off large quantities of carbon dioxide, the amount increasing as the embryo grows. Oxygen is essential, the amount required increasing with the growth of the embryo."

Have you ever read these bulletins? If so, has it ever occurred to you to make inquiry as to what this "carbon dioxide" was? If you have not, let us now proceed to do so, because possibly there is some connection between this "carbon dioxide" and the losses that have come to all of you from the "dead in the shell" chicks and white diarrhea.

In seeking for this information, let us take for our authority the International Encyclopedia, for surely there is no better authority that we can suggest. It says in part:

"Carbon dioxide is but another name for carbonic acid gas. It is one and one-third times heavier than air, is poisonous in character, and when inhaled in sufficient quantities produces death. It is sometimes evolved from fissures in the earth's surface, and in Java so great is the volume of carbon dioxide in the air that birds flying at a great height fall to the ground dead."

From the above definition we may

safely plant our feet on one fact, and that is that carbon dioxide is a poisonous gas, which, if inhaled in sufficient quantities, produces death.

Surely here is food for reflection. Surely, here is something that should set us to thinking.

Let us, therefore, delve a little deeper into this subject, and let us have all the light thrown upon it that can possibly be obtained.

That eminent authority, Professor Witthaus, in his great work on Toxicology, says of carbon dioxide, and what it does in part as follows:

"Respiration, meaning to breathe, has two great objects. First, to supply that amount of oxygen to the body that is essential—mark, this is the same word as is used in the bulletin of the New York State College of Agriculture—to its economy, and second, to remove the carbon dioxide that has been produced as a waste product. This result is secured by the acts of inhalation and exhalation. By inhalation oxygen is taken into the lungs and by exhalation carbon dioxide is thrown off. Hence, unless there is free ventilation the air in any compartment containing men or animals must soon become vitiated, by containing an excess of carbon dioxide, and an insufficient supply of oxygen.

"Respiration, or breathing, becomes suspended—mark well this word 'suspended'—when for any reason the muscles concerned in breathing lose their normal or usual powers by a poisoning of the nerves which control them. This may take place as a result of asphyxiation or poisoning by coal or other gases. Gas poisoning takes place, and is brought about in oxygen breathing animals whenever anything prevents the entrance of pure air—oxygen—into the pulmonary vesicles, as a result of which death or unconsciousness occurs.

"The most efficient and powerful remedial agent with which to combat the effects of carbon dioxide poisoning is oxygen."

There is much more that might be

written that would no doubt be very interesting, but we have enough, it would seem, to give us a well defined idea as to what carbon dioxide is, what it does and what oxygen will do as a power to overcome the baneful effects of carbon dioxide poisoning.

If so, let us now set our reasoning at work and see what logical and rea-

Main breeding house on Roseland Poultry Farm, South Euclid, Ohio, 220 ft. long; contains 20 pens 10x15. Feed room down stairs. Conditioning room upstairs for show birds.



## Colony Brooding

**I**F you are tired of the back-breaking work, the heart-breaking losses and the never-ceasing disappointments of the old-fashioned, death-trap hover brooders, write for our free booklet, "Colony Brooding." This book not only tells how to turn work into pleasure, losses into profits, and disappointments into realized anticipations, but it also tells how Duplex Colony Brooding Devices positively **save you ninety per cent of the labor, seventy-five per cent of operating expense, besides bringing to maturity every healthy chick placed in their care.** The key to colony brooding is the



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Has double heating surface, which saves fuel. Brooder house is perfectly ventilated **through the stove.** There are no openings in the walls or ceilings to let pure and warm air escape and make dangerous draughts. The "DUPLEX" takes the foul air **off the floor** with the carbon dioxide from the breath and droppings of the chicks, which is a prime cause of White Diarrhea so terribly fatal in small chicks. The above two features are not found in any other stove which makes the "DUPLEX" the most **efficient and economical** brooding device on the market.

DUPLEX BROODER STOVES ARE MADE IN THREE SIZES and will care for colonies of 50 to 300; 100 to 800 and from 500 to 1500 and do it with less expense and labor than any other system ever offered.

**FREE!** Write for our book, "Colony Brooding." It will show you how to make money (not lose it) in the poultry business. Write today and get your copy.

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sonable conclusion may be deduced from what we have learned.

We know that chicks do die in the shell. The best authorities tell us that "during the last week of incubation the eggs in the incubator throw off large quantities of carbon dioxide." We are told that this carbon dioxide is a poisonous gas and that if inhaled in sufficient quantities, produces death.

come vitiated by reason of its containing an excess of carbon dioxide, and an insufficient supply of oxygen. We know that it is impossible to confine from 120 to 240 little embryo chicks in an egg chamber two feet square and nine inches deep without that air becoming charged with carbon dioxide, a poisonous gas, and that these chicks must inhale this gas.

direct result of carbon dioxide poisoning?

If not, and you have made up your mind that there is a relation existing between those "dead in the shell" chicks and the existence of this carbon dioxide in the egg chamber, let us go further and turn our attention to this subject of oxygen and its application as a remedial agent in overcoming the "cause."

The same authority as heretofore quoted says of oxygen:

"Oxygen is a colorless gas to which the noted French scientist, Condorcet, gave the name 'vital air.' By weight it constitutes 21 per cent of the air we breathe and 23 per cent by volume. It is the life giving principle in the air, and without it life cannot exist. In the latter stages of pneumonia, when there is danger of life from deficient aeration or purification of the blood; also, for the resuscitation of victims suffering from coal or other gas poisoning, it is of great value. When for any reason the heart fails in the performance of its normal functions, resort to oxygen often results in the saving of life."

At this point I wish to again call your attention to the latter part of the quotation taken from the work of Professor Witthaus, wherein he says:

"The most efficient and powerful remedial agent with which to combat the effects of carbon dioxide poisoning is oxygen."

And to the bulletin of the New York State College of Agriculture:

"Oxygen is essential, the amount increasing with the growth of the embryo."

In order that there may come sharply to our minds a clear conception of what oxygen is I make reference to that oft-repeated truism, to-wit: "Man can live for days and even weeks without food or water. Without air, however, he dies in a few short moments."

Now carrying in mind what oxygen is and what it does, is it not an easy matter to conclude why the New York State College of Agriculture says it is essential?

My dear reader, oxygen is "essential" to overcome the effects of the



ROSE COMB BLACK MINORCA.

Perfection III, the cock that won first at Madison Square Garden, New York, last winter. Bred and owned by G. A. Clark, Seymour, Ind.

We are told that gas poisoning takes place when for any reason pure air—oxygen—is not taken into the pulmonary vesicles—meaning the lungs." We are told that the air in any compartment containing men or animals, unless there is free ventilation, must be

Does it need any further argument to satisfy your mind as to the cause of those "dead in the shell chicks?" As you carefully weigh these facts, can the reasoning mind come to any other conclusion, except that these "dead in the shell" chicks are the

This is  
**SILVER  
KING**

**First Cock  
Chicago  
1912**

I Also Won 1st PULLET and 2d HEN

## 50 Cockerels For Sale

That I guarantee have been sired by **Silver King**. They are splendid fowls, correct in type and beautifully marked. They will win in the show rooms this winter.

### Orders for Hatching Eggs

Now being booked. My pens will be mated Dec. 20. If interested in Silver Campines, write me today.

**Frank E. Hering, South Bend, Indiana**

Reference: The American Trust Co., South Bend, Indiana





carbon dioxide poisoning that is taking place in the egg chamber of your incubator during the last few days of incubation.

Oxygen is "essential" to supply the requisite amount of pure air necessary to sustain life in those baby chicks.

I believe that the incubator of today is as near to a "perfect incubator as it is possible to provide in one and the same machine and that this great big poultry industry owes its greatness in a very large degree to the incubator.

Just as firmly do I believe that it is impossible for any incubator to be so constructed that it will at all times, and particularly during the last few days of incubation, furnish to those embryo chicks a sufficient amount of oxygen to overcome the effects of the carbon dioxide poisoning, sustain life and at the same time conserve the requisite amount of moisture in the egg chamber. Hence the "dead in the shell" chicks.

"Gas poisoning takes place in oxygen breathing animals whenever anything prevents the entrance of pure air—oxygen—into the pulmonary vesicles, as a result of which death or unconsciousness occurs."

Yes; carbon dioxide is a poisonous gas. Carbon dioxide is found in the egg chamber of all incubators during the last week of incubation.

Chicks do die in the shell. The cause is carbon dioxide poisoning.

The one and only thing that is known to science that will overcome the effects of this carbon dioxide poisoning is oxygen.

Have I made clear to you what oxygen is and how it may be applied in artificial incubation?

Has this brief statement of well known and established medical and scientific facts set you thinking? If so my purpose in writing upon the subject will have been subserved, and I trust that it may be beneficial to you in your poultry work.

So far, however, we have dealt with but one of the applications of oxygen

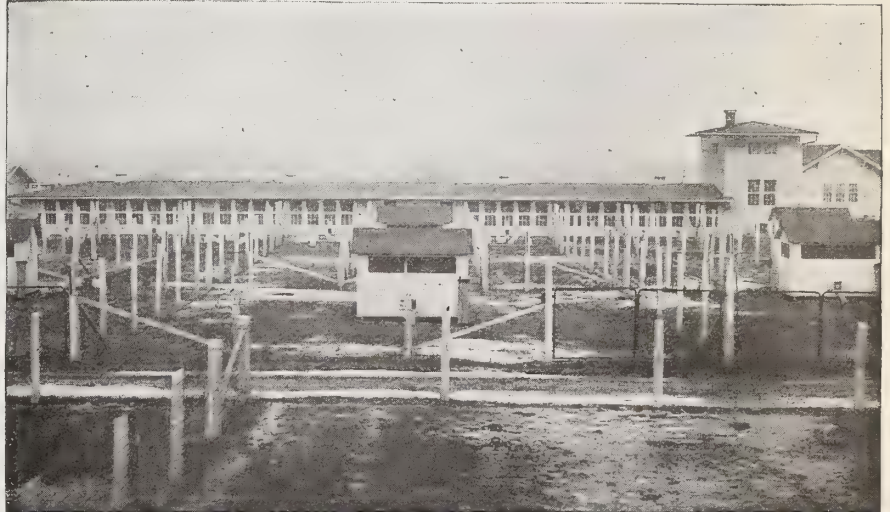
to artificial incubation, and that as a means for putting an end to the "dead in the shell" chicks.

There is yet another poultryman's curse, so to speak, which has been the "cemetery" of many a poultryman's fondest hopes, and that is that dreaded disease known as white diarrhea.

I have come to the conclusion that as carbon dioxide poisoning is the direct cause of the "dead in the shell"

is productive of more destruction in a short time than any of us care to cope with.

In this connection I am but stating a well known scientific truth, when I say that all "germs" are either active or inactive. It is an equally true statement that nature is at all times able to successfully cope with disease germs if given but half a chance to do so.



Poultry scene on Maple Farm of Midlothian, Tinley Park, Ill., where White Plymouth Rocks are bred exclusively. They are producing and showing winners from their farm this year, as is evidenced by their sensational winning at the Illinois State Fair, where they showed one pen, two hens, three pullets, three cocks and three cockerels, carrying off first pen, first and second hen, first, second and fourth pullet, first, second and third both in cocks and cockerels.

chicks, so also is white diarrhea simply the indirect result of the same cause.

Scientific research, insofar as it has established anything, shows that white diarrhea in chicks is a "germ" disease. There are many differences of opinion as to how the germ is carried into the chick anatomy, but there is one thing upon which we may all agree, that when it has secured a good foothold it

Pneumonia, said to be a germ disease, usually comes as the result of exposure or a weakened condition of the system. So also with the typhoid fever germ. It does not become "active" unless the physical condition of the individual afflicted has become weakened through some cause, and thereby rendered unable to withstand the attack.

Ask your family physician what the

# American Poultry Association

The poultry industry of this country amounts in the aggregate to one billion dollars per annum. These figures paralyze the imagination.

The American Poultry Association is the largest live stock organization in the world and its membership is increasing with tremendous rapidity. On its roll are the leading breeders and representative poultrymen of Canada and every state in the union.

**Every breeder, fancier, man and woman in the United States and Canada who is interested in poultry of any kind should join this great organization.**

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condition of a patient would be after he had suffered from the effects of gas poisoning and had been near to death's door. Take his answer or your own good judgment and ask yourself what the physical condition of those baby chicks must be when they have been subjected to the fumes of a poisonous gas for several days.

Do you imagine that they are in any condition to withstand the attacks of the white diarrhea germ?

On the other hand, it stands to reason, with the knowledge we have of oxygen and its powers as a remedial agent in overcoming the effects of gas poisoning, that, if the blood of those embryo chicks is made strong in vitality by oxygen, white diarrhea will, under those conditions, be as infrequently found as when chicks are hatched under the hen in Nature's way.

In this connection and at this time I wish to briefly call your attention to one phase of this question about which much has been written, and to point out to you its falsity as applied.

Thousands of columns of the poultry press have been devoted from time to time in a presentation of the theory that "vitality in the breeding stock" was the all important thing to secure, in order to avoid the losses from the dead in the shell chicks and white diarrhea.

I will agree that "vitality" is something that it is well at all times to make sure of, because nature thinks well of "vitality."

Vitality, however, in its broadest significance, means but the "power of resistance," or strength.

Let us assume for a moment that a man of the very greatest "vitality" were to be plunged into the Niagara river fifty feet from the brink of the falls. Do you imagine that his "vitality" would save him from being swept to his death?

Take the same man of exceeding "vitality" and place him in a room, say, nine by twelve feet in dimensions.

Close every window and door, thereby making the room nearly air tight. Turn on for thirty minutes an illuminating gas jet and compel him to breathe over and over for even the shortest space of time. Do you imagine that his "vitality" would stand up for long against the death dealing influence of this poisonous gas?

Place in your incubator 150 eggs, from stock of the very greatest "vitality." Let those eggs develop perfectly up to the time when the lungs begin to perform their functions. Do you imagine that "vitality" will be of any avail when the poisonous fumes of carbon dioxide begin to get in their deadly work?

Now, let us put aside all these unsupported theories. It's time to think. Let your good judgment solve this problem that has cost the poultry world millions of dollars and solve it in the light of the things that you know to be true.

Let us take the actual conditions that surround artificial incubation, and applying thereto the knowledge we have, proceed in a common sense way to overcome the conditions that we know exist during the last few days of incubation, and thereby put an end to these "dead in the shell" chicks and white diarrhea.

Science has thrown its "spot light" into the darkness, and it points to better things.

Already has genius been at work on the things which science has revealed, and already do we hear of the use of the oxygen treatment as a means of putting an end to these frightful losses.

When our poultrymen and women come to a full realization of what this will mean to the poultry industry the sun will rise on an era in poultry raising that will make the results in the past look small in comparison.

Oxygen, when applied to artificial incubation, will mean no more "dead in the shell" chicks. It will mean, in my judgment, that the chicks so

hatched will be free from the ravages of white diarrhea. It will mean an increased productivity for every poultryman and woman and a consequent increased value to our poultry product.

It will mean that science has supplied what nature demands shall be supplied, hence nature's results will be closely approximated.

If what I have written appeals to your sound judgment as the logical solution of the problem which you well know has confronted the poultrymen of this continent for many years, give expression thereto by a most careful investigation. This much you owe to yourself.

As I said in the beginning, "thought" gives rise to "ideas," and where the current of "action" is hitched to ideas it results in doing things.

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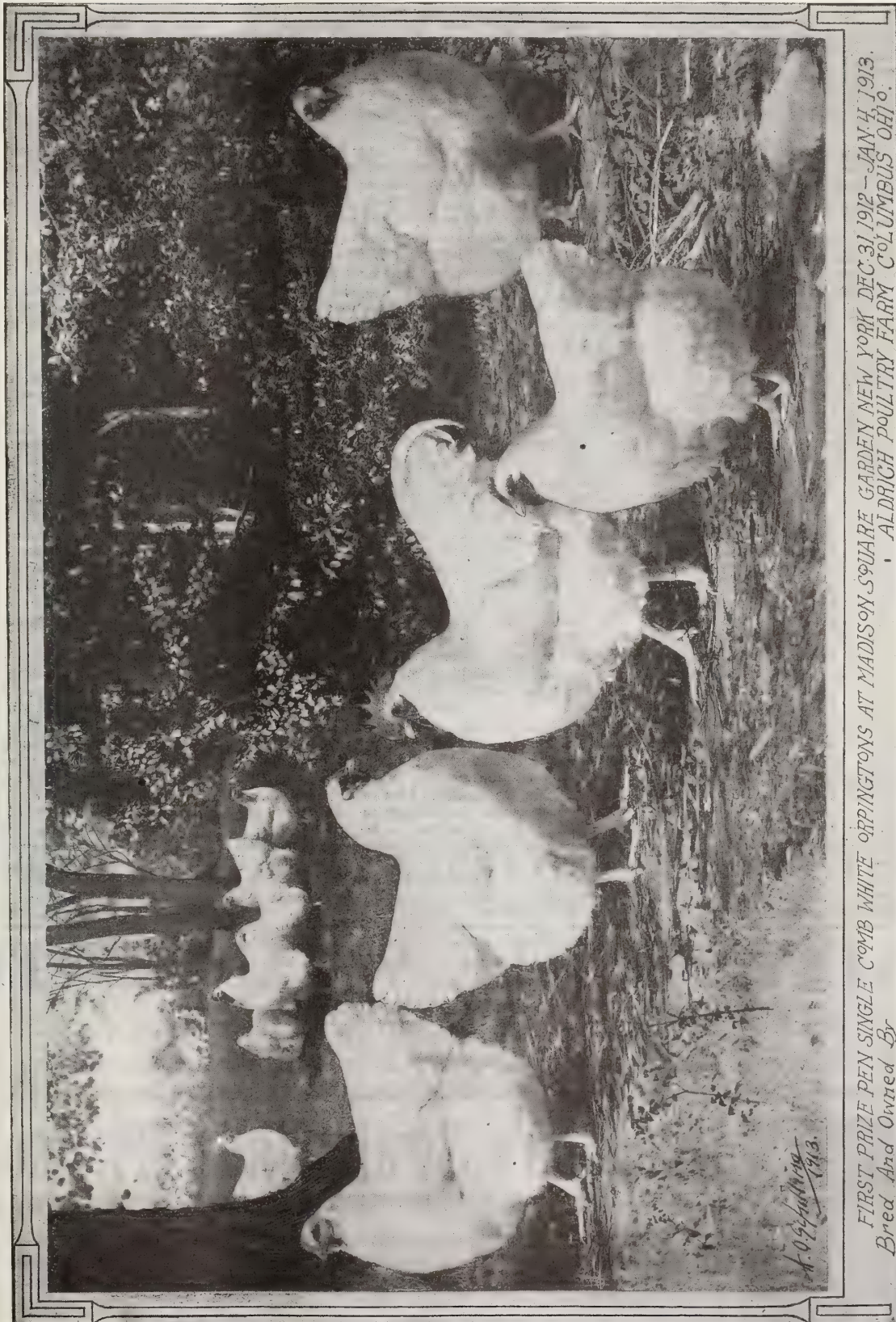
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# Current News of the Poultry World

by J. F. Shureman



Oscar O. Koepell, bond broker and banker of Portland, Ore., has purchased a tract of land near Los Angeles, Cal., and will establish a poultry farm thereon.

Andrew R. Muir, William P. Litts and Frank Sherwood, of Scranton, Pa., have made application to the state authorities for a charter for the Black Walnut Poultry and Stock Farm to be established near Black Walnut, Wyoming county, Pennsylvania. The incorporators are already conducting an extensive poultry farm near Scranton.

One of the pleasing features of the big Hagerstown (Md.) fair in October was the dedication of a handsome monument erected to the memory of the late John L. Cost, the first superintendent of the poultry department and who for years held that position. The annual exhibitions in the poultry department at the Hagerstown fair now rank among the largest shows of the kind in the country. The fund for the purchase and erection of the monument was made up of small contributions from poultrymen from all parts of the country.

Statistics recently made public by the Federal Government show that ten years ago the average production of the hens of the United States was 41 eggs, while today it is 61, an increase of 50 per cent in a decade.

Felix Veran, a Frenchman who came

to this country as chef for a Russian ambassador, and who has had wide experience in raising chickens in France, has purchased a tract of land near Arcadia, Wash., and will engage in the poultry business on an extensive scale. He will raise "French White Leghorns" exclusively, having already imported his foundation stock from France. Mr. Veran and his wife expect to raise from 8,000 to 10,000 birds annually.

A report from San Francisco says that Arthur R. Coulson, the well-known poultryman and poultry supply dealer of that city, has been held for trial in the superior court on a charge of murder. He is accused of shooting to death one George Kovacs on the night of September 19. Besides Kovacs there was shot to death William Acher, a chauffeur. Mrs. Catherine Gallagher, who lived with Coulson as his wife, was wounded by a bullet which grazed her neck. Coulson was denied bail.

A hen at the Agricultural College at Corvallis, Ore., has broken the world's record by laying 291 eggs in 365 days. This is an increase of nine eggs over the previous record. Next!

A general poultry association to include all the poultry associations of southern Colorado will be organized at a meeting of poultrymen in Pueblo the last week in December. One of the first acts of the new organization will be an attempt to secure a model poultry

demonstration and experimental farm for southern Colorado. The state will be asked to establish and help to maintain this farm.

Receipts of live poultry at New York from September 15 to October 15, inclusive, totaled 680 cars. These receipts set a new quantity record for the New York market. The total value of the 680 cars was \$2,658,400.

The poultry department of the Ohio State University, in an effort to interest the farmers of the state in purebred poultry, is offering healthy, well-bred, vigorous cockerels to farmers at 50 cents each, the purchaser to pay the express charges.

Paul Giraudet, a French civil engineer, and unable to talk English, is about to establish an extensive poultry plant in the vicinity of Atlanta, Ga. He has traveled over the country looking for a location and the climate of Georgia is so similar to that of southern France that he decided to locate in that state.

For the purpose of securing for Nashville, Tenn., a field station of the Federal Bureau of Animal Industry steps have been taken by the Southern Egg and Poultry Shippers' Association, and an effort will be made to have the government establish a station at that place. With that in view A. M. Cochran, secretary of the association, has sent a letter to the United States Sec-

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## Halbach's Strain White Ply. Rocks

Hold the world's record by winning best display at Chicago four times. At Milwaukee, Detroit, Springfield and Chicago they won more than 68 other breeders put together. This evidence should be convincing as to where you should get the show bird or birds you need or the blood lines you are after. Write your wants fully and state just what you want or tell me how much you desire to invest into the stock and you will get biggest value possible for your money. Catalogue, 10 cents.

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retary of Agriculture, explaining the need of such a station and the advantages of Nashville as a location for the same.

After January 1, 1914, all live poultry must be shipped in coops that are at least thirteen inches in height and that are covered at the top by wire or screening containing meshes not to exceed one inch in size.

Plans are under way for the installation of the new poultry department at the Georgia Industrial College at Savannah, Ga., Loring Brown, of Smyrna, having charge of the plans and the installation of the plant. A colored poultry expert has been engaged to take charge of the department.

Poultry in the vicinity of Corning, Cal., is moulting for the second time this fall. The owners are at a loss to account for it unless the long dry season is the cause. Many of the large egg producers in that locality are seriously handicapped because of this second moult.

B. E. McLean, of Waterloo, Iowa, secretary of the Waterloo and Cedar Falls Poultry Association, has purchased a tract of land near Waterloo upon which he will establish one of the largest poultry hatcheries in the Middle West. The construction of the buildings has been commenced.

After considerable discussion among English, French and Belgian poultry fanciers, the first step toward the establishment of an international standard for all pure-bred poultry was taken recently at Ghent, when at a meeting of La Federation Internationale d'Aviculture, which is acting as sponsor for the proposition, the following resolution was adopted: "That the stand-

ards of each country be submitted for the approbation of the international federation, and that their ratification render them obligatory for all other countries." The proposition has begun to interest American poultrymen and it has been suggested that the matter be thrashed out at the Panama-Pacific Exposition in 1915, with delegates present from the several countries.

Figures just made public by the Department of Commerce at Washington, D. C., show that during the fiscal year 1913 the United States exported over 21,000,000 dozens of eggs, against 1,500,000 dozens ten years ago and 143,000 dozens twenty years ago. The 1913 exports included 20,409,390 dozens of whole eggs, valued at \$4,391,653, and

of \$67,854 worth of yolks and canned eggs, making a total of over a quarter of a billion eggs exported during the year. We imported during the same year 1,271,765 dozens whole eggs, 227,457 pounds of yolks and 20,284 pounds of dried eggs. In 1892 we imported 4,000,000 dozens eggs.

Walter Johnson, the Washington Baseball Club's great pitcher, has become a poultryman and will breed White Orpingtons.

E. J. Jackson, of Patchogue, L. I., New York, secretary of the Long Island Poultry Association, is reported mysteriously missing, and his wife is seeking the assistance of the newspapers in trying to find him.



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**U. R. FISHEL'S AD in this issue will interest you. Read it.**

## Barred Plymouth Rocks

**Winners at Chicago—Indianapolis—Memphis—Louisville—Shelbyville**

**Indiana State Fair, Indianapolis, Ind., September, 1912, 1st Pullet, 1st Pen, 2nd Cock, 3rd Cockerel, 3rd Cock, 3rd Pullet. Tri-State Fair, Memphis, Tenn., September, 1912, 1st Cockerel, 3rd Pullet, 5th Cockerel, 5th Pen. Louisville Poultry Show, Louisville, Ky., December, 1912, 3 Firsts, 2 Seconds, 4 Thirds, 1 Fourth, 2 Fifts. Special for the Best Shaped Female. Two Silver Cups for Best Barred Plymouth Rocks. Shelbyville Fair, Shelbyville, Ky., September, 1912, 1st Cockerel, 1st Pen, 2nd Pullet, 2nd Cock. Chicago Poultry Show, Chicago, Ill., December, 1912, 4th Pullet Bred Cockerel.**

Get our wonderful list of winnings, proving the superiority of our Rocks.

**COCKERELS—\$3.50, \$5.00, \$7.50; PULLETS—\$2.50, \$3.00, \$3.50**

**EXHIBITION BIRDS—\$15.00, \$20.00, \$25.00**

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We have on hand over 1900 early hatched stock, all raised

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bred to perfection in color and barring—and we can furnish you birds that you cannot get elsewhere at three or four times the price we ask.

We furnish, perhaps, more winning exhibition birds to our customers than any breeders in America. Our moderate, honest prices secure us all the business we can take care of, and our fine, large, magnificently barred birds, absolutely guaranteed, carry off the blue for those who buy them.

Send us your order for any exhibition or breeding birds you may need. We are old reliable breeders, are Specialists in Barred Rocks, have bred them successfully for 22 long years, and with our unequalled facilities for hatching and raising our birds WE ARE ENABLED TO GIVE YOU SELECTION NO SMALL BREEDER CAN POSSIBLY GIVE. You will make a great mistake if you place order before getting our prices and literature. Send for catalogue No. 3.

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**Box A**

**Louisville, Kentucky**



**A  
Chicago  
Winner,  
Dec. 1912**





Panoramic view of "Holtersroost," the beautiful home of Aristocrat Barred Plymouth Rocks at Fort Wayne, Ind., where hundreds of America's choicest birds are raised each year and shipped to all parts of the world.

## BIG RECORDS AND TRAP NEST.

**Oregon Claims the Champion Layer**  
—Washington Has Some Record Hens.

By Harry H. Collier.

A FEW years ago a certain Washington White Leghorn breeder came out in the poultry press and announced that a pullet of his had made the unheard of record of 295 eggs in twelve months. I knew this man and I knew his wife. I had visited at his house and I had seen the way he trapped his birds. I saw the way he kept his records yet I went away feeling there must be some mistake. At the time this man made the record he claimed, the two hundred egg hen was mostly in the fancy of the poultryman's imagination. Along about this time the Maine Experiment station came out with a claim that trap nested pullet on their farm had laid 251 eggs in twelve consecutive months. This record made in Maine did not last long when we heard from Australia where a pen of Langshans had made a big record for five hens. These records did not last long before Missouri got busy and when Missouri does get busy there is always things doing.

Down in Missouri, Tom Quisenberry brought forth a pullet that laid 281 eggs and as Canada likes to beat the United States whenever it comes handy, their experiment station came forth with a hen that laid 282 eggs. This later hen held the record for big laying where an official record was kept, but the east and middle west did not consider that here on the coast the hens would make all of their cousins and their aunts lower their laying flag. A hen at Corvallis, Oregon, has just laid 291 eggs and she comes from a blood line of layers.

Oregon is not Missouri but there are a lot of Missourians that live in Oregon and one need not be surprised at anything the Oregon hen does. Professor James Dryden who has made a lot of good experiments along poultry lines made up his mind a few years ago that Oregon should be in the lime light. The professor got busy and he started to breeding as well as feeding for eggs. Down in the Willamite Valley they can grow most anything. There we have a climate that is as fine as the best. We have a soil that will produce most everything that a man or woman can use. Professor, as we said, got busy, and he has built up a pile of laying hens that will not doff their bonnets to any hens on earth

and "Miss No. C. 520" of Oregon goes Missouri 10 eggs better and takes the whole baker shop by being the champion layer in the world when authorized egg records are considered.

Now, to get back to that Washington breeder. This man was a steamship purser. He was as used to figures as a dog is fleas, but when it came to poultry, his experience was very limited. He had a fad for keeping records. On board a steamship a purser has records of all kinds to keep. He is the whole thing when it comes to a census of what a ship contains. This man had a wife who, like all good women, wanted her husband at home, in spite of the fact that her husband was making a good living and providing well, but she was not satisfied with that kind of living as she was not able to see her husband oftener than once or twice a month, and a very short time on these occasions. This lady took it into her head that she could start a poultry business that would make it possible for her husband to live at home. To get a start in poultry she bought some White Leghorns and on a small place she began what is now one of the largest poultry ranches in the state, the only difference being that the small place has now grown in a large farm and where the

## WHITE WYANDOTTES S. C. W. LEGHORNS AND PEKIN DUCKS

Again we win more prizes than all our competitors combined. Twenty-four specials, thirty-one firsts, twenty-eight seconds, eight silver cups at Rochester Industrial Exposition and Poughkeepsie. Our stock wins for us, let us sell you guaranteed winners. Stock for sale at all times.

Maplewood Poultry Yards H. W. Hayner, Superintendent Attica, New York



## AT NEW YORK STATE FAIR, SEPTEMBER, 1913 FAIRVIEW WHITE ROCKS

Make sensational win as follows, after traveling three days without feed or water and being judged in less than 2 hours after arriving at the fair: **First old pen, 3d young pen, first and fourth cocks, second and third hens, third cockerel and first and fifth pullets.** Just think of this! In all I exhibited twenty birds and seventeen of them were in the winnings. I won more firsts than any of my competitors and as many firsts as all my competitors combined. I have 1,000 young birds with the blood lines of these and other winners and as I will not exhibit any more this year, I can furnish winners for any show, anywhere. Write your wants and mention American Poultry Journal.

GUY DAILY, BOX A, JEFFERSONVILLE, IND.





The home of "King Ringy 5," one of the narrowest barred Plymouth Rock males in existence. As many as 83 bars have been counted on the saddle feather of this wonderful bird, who is the sire of many others of Mr. Holterman's flock.

small place wintered a hundred hens and pullets it now winters a thousand hens and as high as sixteen hundred pullets.

From the beginning of the farm a watch was kept on the best layers in the flock and about nine years ago trap nest was put in. These trap nest were new so far as Washington breeders were concerned. Some people had used them but no one had made much effort to carry out the scheme as it should be. Our pursuer after a while was ordered by his doctor to quit the sea and stay on land. From that time on we find the man with the figures busy. He commenced a system of feeding. He worked out a problem where he could tell just how much a hen would eat every twenty-four hours. By feeding he soon learned what the hens liked the best and what they relished most. He found out what feeds produced the most eggs and what months eggs brought the best prices and what months hens would pay the greatest profit. All the above records were kept daily, not spasmodically. He worked out a set of charts for his houses. These charts contained a place for leg bands with a place where a

record could be kept of each hen and when she laid. He attended to his hens the first few years himself, with the assistance of his wife. He handled these hens so often when taking them from the trap nest that he soon knew each one without looking at her leg band. He soon began to notice the breeding of his birds, their shape and their color; he watched their combs, earlobes and general health. He watched their feet and their legs to see how they held their yellow color. In fact, he watched everything, and what is better, he kept track of everything. He had one hen that he called "twenty-two." This hen was a remarkable bird. She began to lay in her pullet year, not so early as some of her sisters in the flock, but when she did start she kept it up, rain or shine. Weather seemed to "cut no ice" with this hen. She just persisted in laying. This "22" soon outdistanced all of the other hens on the place and when her eggs were set they persisted in hatching and once out of the shell they persisted in living. "Twenty-two" went on and on and one day he found that she had been laying twelve months to the day and on that day he discovered that she had laid 295 eggs.

From this flock my friend bred many good layers. He had several that laid over 200 eggs, but not a one that ever reached the record of "22."

One day this pursuer came to my office and he told me that he wanted me to go to his farm and help him pick out his birds for standard requirements. I went. He had said little about the remarkable laying of this hen. His local paper had published a little story about it, but outside of this little publicity had been given to "22's" performance. I went up and he told me about this hen. What is better, he showed her to me and, in fact, I scored her. Then he took me to his houses and he showed me how he trap nested his hens. How he kept the records in each house and how the records were computed at the end of each month.

He showed me how he kept his records of each hen when it came to hatching the eggs and how each chick was marked in the web. He showed how he had bred up his flock and what he was trying to do to better his shape in his fowls. All of these things were convincing, but the remarkable number of 295 eggs in twelve short months did not look good to me, but when I see a Missouri White Rock laying 281 eggs

## THE BEST IN POULTRY

Rather a broad statement I will admit, but nevertheless it is a fact that there is no fowl that will produce more eggs or is a better fowl for the table or market than

### U. R. FISHEL'S WHITE PLYMOUTH ROCKS

Other breeds and varieties boom and the boom is of short duration, because they have no qualities to make them worth while. The Fishel White Plymouth Rocks grow in favor and demand everywhere and all the time. They have won the leading prizes at **twenty-two largest exhibitions** and **five international expositions** which have stamped them for years as "The Best in the World." Bred in line for over twenty years and by far the **best flock this season** we have ever owned. **High class exhibition specimens, selected breeders and utility flocks** to suit all. Write your wants please. 64-page catalogue, 25 cents. Sale list free. Mention American Poultry Journal.



**U. R. FISHEL : BOX A : HOPE, INDIANA**





*S. C. WHITE ORPINGTONS, WINNERS AT MADISON SQUARE GARDEN N. Y. 1911.  
BRED AND OWNED BY  
OWEN FARMS VINEYARD HAVEN MASS.*

The Owen Farms have been persistent winners for years at all the leading shows under the management of Maurice F. Delano, who is now sole proprietor of this great farm. The above pen of White Wandotters won at Chicago 5 years ago, and the winnings of this farm at Chicago last winter is still fresh in the public mind.

and an Oregon Leghorn producing 291 eggs, I begin to see that it is possible for a hen to lay that many eggs even if it did not look possible when old "22" laid her large number of eggs. Since that time, six years ago, I have made a yearly visit to this same farm. I have gone there the later part of September and I have scored as high as 200 cockerels, birds that I picked out of several hundred that were fit for a score. Later in the fall I have gone back and picked out as high as 200 pullets and later on in winter I have scored all of the cocks as well as the best part of the hens on this farm. In other words I have literally handled every bird on that place and have found birds remarkable for their good color, neat combs, wattles and ear lobes and shape that would look well in any show room. I have found that it was often the case that the hens that showed the best shape and color were among those that had records that led the flock in the egg basket. I have always insisted that it was possible to make a hen beautiful as well as useful.

In the early stages of handling these hens I have had a number of arguments with their owner. He has sometimes shown me a hen that was a remarkable layer that he would want in his best pen. I would always say: "We will keep her until we cannot find that we can fill the best pen without her; then we will put her in." We would handle this big flock of hens for their exhibition points while he held his book

and kept track of the laying records.

In the best pen we never put more than ten hens in the yard. We wanted them to be great layers first, and second we wanted them to be able to score the highest of any ten hens among those layers. By picking and scoring and retaining those with high scoring qualities, at the same time great egg laying records behind them, we would find just what we wanted, and I had the satisfaction last fall of mating up a pen of ten hens that did not score less than 92 points and not one in that pen that laid less than 265 eggs in her pullet year. These hens proved themselves remarkable second-year layers and from that flock I hope to find hens this year that beat their mothers in the egg basket as well as in exhibition qualities.

In scoring the cockerels on this place, one of the essential things have been scales. Our friend made it a habit to watch the growth of those cockerels from the time that they would weigh a pound. He had a hobby. This hobby was that a Leghorn cockerel that did not weigh four pounds when we got ready to score them was unfit for a breeder. We weighed those birds and if they were not the right weight or showed disqualifications, coarse combs, poor wattles and the like, they were not scored but were set aside for either the market or to be sold to farmers for cross-bred purposes. If they showed permanent disqualifications like side sprigs, stubs in legs, then they were

sent immediately to the market. This season when these birds were scored we found cockerel after cockerel that had reached as high as five pounds and four and one-half pounds weight was very common in the flock. Where these birds were of good sized bone yet they were not coarse in either shape of combs or wattles and ear lobes. They were built on good lines and their good weight would hardly be noticed except when they were put on the scales.

This farm has proved many things for me. Hens with great egg laying records do not of necessity always prove to be mothers of great layers, but that a cockerel from a great layer invariably proves the sire of extra good layers.

That the best time to sell broilers for this market is in March. That the best and most profitable time to sell hens is in September.

The best time to make money from eggs is in August. Hens lay well that month and January pullets are helping out the egg yield.

That hens bring their best prices in April, but it does not pay to sell them for the reason that they will nearly pay for themselves in eggs by the time September rolls around.

That it is just as easy to make a nice, typical hen lay eggs as one that is all angles of the compass. That color has little to do with a hen's laying, but the hen with the life in feathers as a rule is shelling out the most eggs in the early spring.

# BUFF ORPINGTONS

**Win Ten Firsts at the Indiana and Tennessee State Fairs** Indianapolis, Sept. 1913—1-2-3 cock, 1-2-3 hen, 1-2-3 cockerel, 1-2-3 pullet, 1-2-3 pen. Nashville, Sept. 1913—1-2-3-4 cock, 1-2-3 hen, 1-4-5 cockerel, 1-2-4-5 pullet, 1-2-3 pen. This is the most wonderful record ever made by a Buff Orpington breeder. If you want to win you will find that our type and color appeals to all judges. We have elegant cocks, cockerels, trios and pens for sale mated to produce winners and the best of all they have the laying qualities. Write today.

BRUCE & ABBOTT

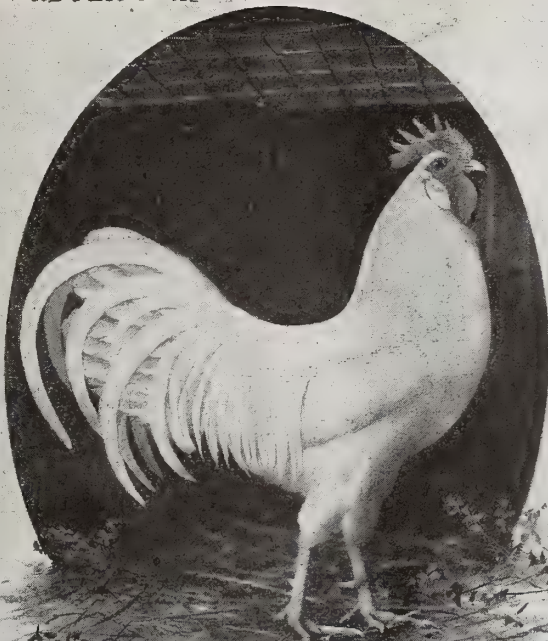
BOX 10

WHITELAND, INDIANA



SECOND PEN COCK

FIRST PRIZE COCK



FIRST PULLET

FIRST PRIZE COCKEREL

FIRST HEN



PRIZE WINNING S. C.  
WHITE LEGHORNS AT  
DUNE ALPIN POULTRY FARM  
BRED AND

GRAND CENTRAL PALACE  
SHOW DEC. 1912.  
OWNED BY  
EAST HAMPTON L. I. N. Y.

A. D. Gifford  
1912



## A MAN AND A FACTORY.

Being the Story of The Cyphers Incubator Co.—Its New Plant—Its Old. Time-Tried Principles and the Man and Men Behind It.

By D. Herbert Moore,  
Editor Agricultural Advertising.

"The biggest thing in the poultry business!"

That is the unanimous opinion of those who visit the new plant of Cyphers Incubator Co. in Buffalo, N. Y.

No "long distance" conception of the size and scope—the modernized perfection of this plant can be given without resorting to figures.

The new Cyphers Company plant occupies eight and one-third acres of land near the center of the city, within 600 feet of Main Street, Buffalo's leading thoroughfare, and is considered to be the largest establishment of its kind in the world. It is built of reinforced concrete, with Fenestra steel window construction that admits the softened daylight—in short, it is practically indestructible by fire. It is said that "not wood enough to make a box of matches" was used in these buildings.

For seventeen years the name "Cyphers Company" has been recognized as standing for highest quality in incubators and brooders, as well as in the one hundred other articles they manufacture for the use of poultry breeders.

In tracing the success so apparent in the Cyphers Company's new home, one naturally is inclined to look for the personality that has brought about these things.

That personality is Grant M. Curtis, president of the company.

Talk about live wires! Here is a man who is a regular dynamo of mental strength, of initiative and of organization ability.

At his office every day and often far into the night, carrying the heavy responsibility of a business whose sales, for a period of years, have exceeded a million dollars every year, he finds recreation and relaxation in the editorship of two of the leading poultry papers and in serving in many different ways the best interests of the poultry industry in general.

Mr. Curtis has been engaged exclusively in the poultry business twenty consecutive years. In the early days he developed the largest, standard-bred poultry plant in the central west and made a success of it. He became interested in the manufacture of incubators, brooders and poultry supplies in 1894. That same year he founded the Reliable Poultry Journal of Quincy, Ill., one of the most influential and authoritative poultry papers in the field, of which he is still editor and principal owner. He is

also president of the American Poultry Publishing Co., Buffalo, N. Y., and editor of the American Poultry World.

In 1899 he became associated with the Cyphers Incubator Co. He visited the leading countries of Europe to investigate the poultry business of the different nations. Mr. Curtis has compiled several books dealing with practical and standard-bred poultry subjects and he edited the 1905 edition of the American Standard of Perfection.

In brief, Mr. Curtis unquestionably has been a leading factor in the development of the poultry business of America, and it is apparent that he occupies that position today.

Nor has his work been theoretical. Under his direction Cyphers Incubator Co. con-

has kept himself surrounded by a group of as able and loyal lieutenants as ever rallied to the support of a fighting captain.

Every head of a department of the Cyphers Incubator Co., every manager of a Cyphers Company branch house has worked himself up through a term of years and won his place by sheer merit.

It is not "outside" talent that has made Cyphers Incubator Company what it is today. It is the development of the Cyphers Company spirit throughout the working force, under Mr. Curtis' forceful, appreciative leadership.

It is small wonder that such an institution as this has grown to the point where 500 working people are employed!

In the factory, as in the sales organization, employees have stuck because they liked their jobs—liked the way they are treated. Every factory foreman employed by them—ten in number—has been with the company for a period of eight to sixteen years.

"Scientific arrangement and management" is the reason Cyphers incubators, hovers, brooders, etc., can be made in such immense quantities and at the same time every machine be given the most minute care in construction and the most careful final inspection.

At the present time Cyphers Company has in its large fireproof warehouses goods of every kind sufficient to last till after the first of the year and manufacturing in the new factory is now—November 1st—going on apace.

The great size and capacity of the home plant give an incomplete idea of the real greatness of the Cyphers Company industry. For instance, a "Cyphers Company" Poultry Mill for the manufacture of chick and developing foods and the grinding of alfalfa is in operation in Chicago, representing an investment of \$140,000. Here Cyphers Correctly-Balanced Poultry Foods are produced under ideal conditions, their factory turning out hundreds of carloads each year.

Not only does this company have large, completely stocked branch houses in New York, Chicago, Boston, Kansas City, Oakland, Calif., and London, England, but it has distributing agents and selling representatives in practically every well-known city and trading center of this country. Cyphers Company also has selling houses and agencies in the principal cities of Europe, Australia, South Africa, Hawaii, Cuba and Central and South America.

Reverting to the cause of the success of this wonderful modern enterprise which has been enthusiastically and truly termed "The biggest thing in the Poultry Business," we come back to the man whose power, whose force, whose courage, whose knowledge of the right way and how to accomplish it, have made possible a business which represents true leadership in its line.

The Poultry Industry in America certainly owes a lot to Grant M. Curtis.



GRANT M. CURTIS

President of Cyphers Incubator Company

ducts a \$75,000 Experiment and Demonstration Farm on the outskirts of Buffalo, where actual, scientific facts regarding poultry raising are developed and proved. These facts are later given to poultry raisers, whether or not they are Cyphers customers, in the form of free books, such as "Poultry Foods and Feeding" and "Best Methods of Brooding"; also in a series of Free Bulletins which go into careful detail regarding the latest and most successful methods of poultry and egg production and of breeding and developing Standard-bred and special purpose fowls.

Cyphers Incubator Co., however, is by no means a one-man institution. Mr. Curtis has surrounded himself (and, what is more,



FACTORY AND HOME OFFICES OF CYPHERS INCUBATOR COMPANY.

View of new manufacturing plant, erected by Cyphers Incubator Company at Buffalo, N. Y., during the summer of 1913. Occupies eight and one-third acres of land near center of city and is devoted exclusively to the manufacture of incubators, brooders and general poultry appliances and supplies. Is considered to be the largest establishment of its kind in the world. Built throughout of reinforced concrete and is indestructible by fire.



## THE GREAT HAGERSTOWN SHOW.

**Greater and Larger Than Ever—Nearly 7,000 Entries—Complete in Every Department—More Poultry History Made.—By H. P. Schwab, Eastern Representative, A. P. J.**

For twenty or more years there has been linked with the name of Hagerstown success. Yes, success in all that the word implies. In entry, in quality and in management Hagerstown has surpassed all its former greatness and has added to the value of the poultry industry. The show again this year was featured by large classes in popular varieties and a quality that insures the greatest possible worth to Hagerstown awards. Mr. W. Frank Spahr and Mr. H. E. Baker, the officers in charge, deserve every credit for the beauty display. The breeders have confidence in these men. They are the worthy and respected successors of the great John L. Cort and their work and success is of a character of which we are justly proud. They well deserve the support of all the breeders in the land and we hope they may always have it to perpetuate Hagerstown's greatness.

The poultrymen's banquet, attended by about 300 breeders, was an event of special interest. The donation of flowers to Judge Geo. O. Brown and Mr. Nevions, two of our oldest breeders, was a feature full of sweet sentiment, an appreciation and expression of worth to the living who we all love so well. The speakers were President Paffenberger, Messrs. Baker, Spahr, G. O. Brown, Loring Brown, Atherton, Riley, Howell, De Lancy, Schwab, Ewald, Dr. Dixon and Scotty Bowers.

In the afternoon a beautiful granite shaft, erected by the poultrymen of the United States and Canada to the memory of John L. Cort, was duly dedicated. Mr. Frank De Lancy was the leading worker in this and his work and the results received worthy commendation.

The judges were Geo. O. Brown, Wm. B. Atherton, W. G. Minich, Chas. McClave, Richard Oke, Geo. H. Burgott, J. C. Kriner, H. P. Schwab, Loring Brown, Hugh A. Rose, A. J. Braun, H. Hoke, C. E. Twombly, Geo. Ewald, J. Harry Wolsieffer and G. B. Hart.

Special prize for best bird in the show was won by Dune-Alpin Poultry Farms with their first prize S. C. White Leghorn cock. Best hen by Louis Haggins, S. C. White Orpington hen. Best cockerel by John H. Ward for Dark Cornish cockerel, and best pullet by Hugh A. Rose, Buff Orpington pullet.

### Plymouth Rocks.

Barred Rocks were the largest and finest class we have ever seen at this season of the year, the winners all strong quality birds, the class of pullets a feature show all by themselves. There were 25 to 30 birds in the class worthy of mention at any show.

Mr. R. J. Walden, Middleburg, Md., won first and fifth pullets, fourth hen, second pen and first cockerel-bred female; first pullet winning special for best colored female, and for best female.

Mr. C. N. Myers, Hanover, Pa., won first, third and fifth hens, second and fourth pullets, third cockerel, third and fourth pullet-bred cockerel. First hen won special for shaped female, third cockerel for color male.

Mr. H. D. Riley, Strafford, Pa., won cockerels first and second, hen second, pullet third, pen first. Special for best shaped male on first cockerel, also for best Barred

Rock male and for best Plymouth Rock shown.

Mr. C. Guy Myers won first cock and Mr. L. S. Birely first pullet-bred cockerel. Other well-known breeders and winners were H. L. Fike, C. E. Boileau, Jas. T. Thurston, Chas. McClave, etc.

**White Rocks.** A very fair sized class, quality very fine. First cock a beauty in shape. First hen far above usual quality.

First prize White Rock cockerel exhibited by Geo. S. Moore, Clintonville, O., a fine specimen, stands well, although not fully filled out, he has the shape and style and gives promise of the future. Three other very nice birds but a little green in finish.

**Buff Rocks.** One of the finest classes we have ever seen outside of the great winter shows. An extra large and strong class. All cocks of superb quality. First hen perfectly sound in color and ideal form; others close up. Cockerels the first three very close, others ran fine ones. Pullets: First, sound and of fine form, a beauty; 10 strong pullets here. The winners were R. S. Wolf, J. G. Ashe, W. B. Miller, J. H. Vincent, G. B. Schellenbarger, T. E. McConnell, B. H. Kuepper, G. W. Wege, etc.

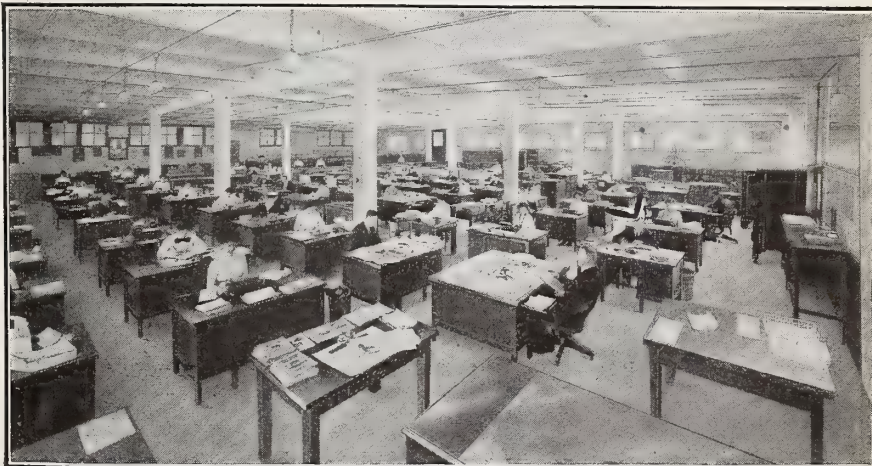
**Columbian Rocks.** Colonel L. Paul Graham, here like at Allentown, swept the deck

satisfied with their Allentown winnings and won cockerels 2-3, pullet 1. This pullet in type and condition most fair and attractive to see. We thought the cockerels past their best, being full grown and champions in form.

Mr. F. M. Eakin, Bucyrus, O., made his first showing here, but three or four birds entered, and won cockerel first, pullet fourth. His line of White Wyandottes has much to commend him. The winning cockerel was seriously considered for the special for best cockerel in the show. He is a bird of refinement and finish, the best of type and a beauty head. This was but a sample of Mr. Eakin's birds and we would like to see more of them. That class of stock is worthy of our great Eastern shows and hope ere long to see them down East.

Other prominent breeders and winners were E. R. A. Litzau, with cock 1, hen 2-3, cockerel 5, pullet 3. Mr. J. L. Schultz, cock 3, hen 1.

**Silver Wyandottes.** A good size class with winners of a quality to win any show. Golden up close. First cock a beauty, owned by Chas. McClave, New London, O. He also won hen 3, pen 1. Blocks a small class. S. Penciled very nice and fair numbers.



INTERIOR VIEW OF HOME OFFICES OF CYPHERS INCUBATOR COMPANY.

Photographic view of General Office, including stenographic help, of Cyphers Incubator Company, Buffalo, N. Y. Additional to the work of attending to correspondence connected with the receiving and filling of retail and wholesale orders, amounting to over one million dollars annually, the Cyphers Company conducts a Personal-Letter Service Department that is free and open to all poultrymen everywhere, regardless of whether they are customers of the company.

(excepting on pullet), winning all the leading prizes with a line of strong, classy birds. First cockerel being the finest male of this variety we have seen to date, all considered.

First prize Columbian Rock pullet was won by the Wilburtha Farms, Trenton Jct., N. J. She was in a class by herself with the best of type and the best possible hackle, tail and wing. These farms also breed Columbian Wyandottes, Reds and White and Buff Leghorns which we mention later.

Partridge and Silver Rocks formed good classes with several birds of exceptional value. First Silver hen a charmer.

### Wyandottes.

White Wyandottes formed a class of superior merit. We have seen larger classes, but none better. Old birds in good condition and young well matured and in full feather. Onlya Farm, Florham Park, N. J., made but a small entry here, being well

Buff Wyandottes. A large class with the best of color evident. The leading winners: L. W. Winner, Williamsport, Pa.; W. F. Schultz, C. A. Baughman.

**Partridge Wyandottes.** One of the best classes we have seen. No doubt the best at this season. The Sheffield Farms, Glendale, O., making a monster record by winning cock 1-2-3, hen 1-2-3, cockerel 1-2-3, pullet 1-2-3, old pen 1-2, young pen 1-3, and all specials. We have seen this line at the leading shows for years, but have never before seen them as good as now. First cock was without question one of the show features, beautiful in form, sound and handsome in color, with ideal Wyandotte head; such quality speaks for future and the success of the variety. They are pretty when bred to this high standard.

Columbian Wyandottes proved one of the big classes and here were competing several well known breeders in keenest competition. The Wilburtha Farms, Trenton Jct., N. J., made one of the best records by winning

**U. R. FISHEL'S AD in this issue will interest you. Read it.**



First Prize Partridge Rock Cockerel  
Madison Sq. Garden, N. Y., 1911.

## BIRD'S PARTRIDGE ROCKS

**Won All Firsts and Specials at Madison Square Garden, January 1913—This remarkable record, with their decisive victories at New York, 1910-11, and Hagerstown, 1911-12, gives them a grand total of 21 of the 23 firsts competed for, and stamps them as America's undisputed champions.** Their utility is equal to their beauty. The greatest prize winners and best breeders for you. Write your wants. Catalog and mating list for stamp. Eggs in season.

**BRONZE TURKEYS** Won All Firsts at Hagerstown, 1912, and Madison Square Garden, N. Y., 1913—Making a grand total of 21 of the 24 firsts at six great shows in 1910-11-12-13. If interested in the **World's Best Bronze**, write your wants. We will please you at right prices with the best exhibition and breeding birds ever offered. **Madison Square Garden, N. Y., 1913—Our seventh consecutive year of winnings at this great show again surpasses all former records by taking all four first prizes and three second prizes, display prize and all specials.** Write your wants. Catalog and mating list for stamp. Eggs in season.

**Bird Bros., Box C, Meyersdale, Penna.**



First Prize Bronze Turkey Cockerel  
Madison Sq. Garden, N. Y., 1911.



cock 1, hen 4, cockerel 1, pullet 3. This line has made several fine records this season and we consider this one of the best. We have seen this line at their home and admired them for their type and excellent markings. Other winners were Dr. J. S. Rittenhouse, hen 1, cockerel 3, pullet 1; Chas. McClave, hen 2; P. Francis Sutor, Robincrest Farms, George R. Bliss, H. L. and O. Bennett.

#### Rhode Island Reds.

In the Single Combs the entry was of usual size with grand quality evident. The leading winners here were Ira M. Crowther, G. W. White, Robert Seaman, Quality Hill Poultry Farm, L. W. Maxson, F. Harbaugh and Mrs. P. T. Callaway.

In Rose Combs the entry was one of the best we have seen in both numbers and quality. It was a royal class, well shown,

Major Hugh A. Rose, Welland, Ont., won on Buff Orpingtons cock 1, hen 1, cockerel 1, pullet 1. In Black cocks, cock 2-4, hen 2-4, cockerel 1-2, pullet 1-2. This line is famous for the records it has made.

The Buff Orpingtons exhibited by the Old Forge Poultry Farm, Spring Grove, Pa., was a feature display and also one of their first exhibits, making a splendid record in this strong class by winning cock 2, hen 3, pullet 4 and young pen 2. We visited these yards after the show and make mention elsewhere in this issue.

#### Leghorns.

Leghorns in all varieties were seen to advantage here in beauty classes. In the S. C. Whites competition was of the very strongest and each class was filled to overflowing with quality. The Dune-Alpin Farms, East Hampton, N. Y., have reason

cockerel 1, pullet 3 and young pen 1. We thought this class one of the best in the show. These farms have a national reputation and for winning pen prizes at New York, etc., are unbeatable.

The Wilburtha farms won in S. C. Buff Leghorns cock 2, hen 1, pullet 4, and in White Leghorns, cock 5. They are coming fast.

In both Single and Rose Comb Browns the entry was large and very fine, with males and females of equal value.

#### Minorcas.

In the S. C. Blacks an unusual class with heavy males and females and extra shape and carriage. The Hildorfer Black Minorca Farm, Saxenburg, Pa., were the great winners here, taking cock 1-2, hen 1-4, cockerel 1-2, pullet 1-5. The size, condition and general quality of this line was most charming.

In R. C. Blacks and both varieties of Whites good classes were shown.

#### Dark Cornish.

We expected to see a great class here, and did see one of exceptional size and value. The Dark Cornish are a leader today, a variety of worth and popular favorites. To Mr. John W. Ward, Jr., Pennington, N. J., much praise is due for the present condition of this variety. He is a booster and a boomer and has brought out the best in this variety. His winnings here were cock 1-2, hen 2, cockerel 1-2-3, pullet 1-3-4, young pen 1, old pen 1. His first prize cockerel winning special for best cockerel in the show, an honor well deserved. Both winning cocks in choice condition and best of station. The first cockerel in full trim and best style.

First hen was shown by Mr. C. W. Smith and is claimed to be the best one in this country.

#### Other Varieties.

Silver Campines, a large class full of merit. The Schenley Heights P. F., Pittsburg, Pa., winning cock 1, hen 1-2. In Goldens, cockerel 1-2, pullet 1-2.

Dr. J. H. Prudhomme, winning in Silvers, cock 3, hen 4, cockerel 1-4, pullet 3-4, young pen 1, old pen 1. In Goldens, cockerel 3, pullet 3.

There were good sized classes in both Light and Dark Brahams. The males in the Lights being of extra worth.

Cochins in fair classes were shown in all varieties. Partridge extra.

Black Langshans, a very large and fine class.

Dorkings in White, Silver Gray and colored made fine displays.

Black Javas in rare quality. They are a good old variety.

Anconas, a beauty class, the winners of extra quality finely shown.

Polish in all varieties and in good numbers were seen here.

The W. C. Blacks a very strong class. We thought this a feature display.

Hamburgs a splendid exhibit with all varieties seen to advantage. The Silver and Golden Spangled, Silver Pencilled and the Blacks were the largest and best classes.

Houdans were out in good numbers and quality.

A grand display of Blue Andalusians. Games in all varieties were seen, their rich colorings and markings making them very attractive.

As no catalogue was issued we can't give the total entry either Bantams or Pigeons. The entry was very large in both and we doubt if ever a larger or better class was seen at this season of the year. Every variety was shown and in most all classes competition was of the very best.

In Bantams the chubby Cochins vied with the trim Games for favor. Seabrights were beauty classes and the Rose Combs in black and white were not to be outdone. The little Japs and last but not least the Barred



A view on Wm. Cook & Sons poultry plant, originators of all the Orpingtons, Scotch Plains, N. J. Giving an idea of poultry runs and trees.

with the awards won by the following: Fred Stillwagon, B. W. Harding, Ira M. Crowther (who here won cock 1, cockerel 1-4), Ed. C. Baker, M. C. Richardson, Wm. L. Hundertmark, Frank Harbaugh, H. V. Sheets, Bryer & M. and W. A. Shafer.

#### Orpingtons.

Orpingtons are popular favorites at Hagerstown and yearly the birds of several of our best known breeders are seen here. In Whites the class and quality was exquisite. Here Mr. Louis L. Haggin, Lexington, Ky., exhibited a few of his best and won honors enough to last him some years, and then some, with hens 1-3, cockerels 1-2, pullet 1-3, pen 1. The first hen also winning special for best hen at the show. This was a popular award and one most worthy. She reminds one of the great and famous females of the past.

to feel proud of the record made, viz., cock 1-2-3, hen 1-2-3, cockerels 1-2-3, pullet 1-2-3, old pen 1, young pen 2-3, and several specials, including specials for best bird in the entire show and special for best cock in show. Both were won by their first prize cock. This bird was a feature in full feather with the best of size and carriage. Their three winning cockerels were much alike and delightful to see. First hen a charmer. It was a rare collection with all, with all credit due these farms and Manager Kerr.

The Monmouth Farms, Freneau, N. J., were close competitors for all honors and exhibited in each class birds of exceptional merit, winning cock 4, hen 5, cockerel 4-5, pullet 4-5, young pen 1. This pen was awarded special for best pen in the show. With every bird finished and matching perfectly it was a wonderful pen. In S. C. Buff Leghorns this farm won cock 5, hen 2-3,



## BLACK ORPINGTONS

Again in the lead, winning four firsts and five seconds at Greater New York. We have won in all sections of the United States and found New York no harder than some of the other great national shows. The breeder that wins in different sections against nearly all the big breeders is the fellow that has the goods. **Look up the records.**

#### GREAT CUT IN PRICES

We have reduced expenses and can afford to sell cheaper than ever before. First find out who has the quality and make your purchase a business proposition. As specialists we not only offer better quality, but at cheaper prices. Our over-head expenses are not half what other breeders have that handle no more birds. One price to all. Exhibition males, \$5 to \$50. Exhibition females and breeders, \$5 to \$25. **Yes, these are the best to be had at any price.** Order early and secure the pick of 1,000 birds. Catalogue free.

**Blue Ribbon Poultry Farm :- Box A :- Columbus, Indiana**



Rock Bantams of which there was a very large display, all were worthy of consideration.

With the dedication of the John L. Cost memorial, the largest entry ever, the best quality, the best management and superb weather, this show will go down into history's pages as a feature display in which all can take pride and rest assured there is glory enough for all.

Now for the next great Hagerstown show. Let every one do his duty. We owe it to the fancy and we owe it to the memory of John L. Cost and to Messrs. Spahr and Baker, his respected successors.

### Why the Aldrich Farm Took Up the S. C. White Orpington.

When the writer last visited the Aldrich White Orpington Farm he asked why did you select the White Orpington and E. S. Aldrich said:

"When a new variety of fruit, vegetable, grain, animal or fowl comes on the market, the question always arises—is this variety as good or better than those already popular? If not, or if widespread advertising makes it popular, it will not last. In order to become a standard or established variety it must equal or excel its competitor in such matters as would be required by the masses; it must not only appeal to the fancier, but must be a general purpose fowl; this is especially true, and there are already varieties which have merits and fairly deserved popularity.

"In applying this test to any breed of chickens it is well to consider briefly what are the requisites to make a general purpose fowl; the first thing to be considered is its utility qualities; we need poultry for meat and eggs, and we need breeds that will produce these with the minimum of cost. If we can add other desirable traits such as hardiness, beauty of form and color, adaptability to varying conditions, etc., we have a bird that cannot fail to gain not only a temporary success, but one that must of necessity become standard, and take the place to which its merits entitle it.

"When we apply these tests to the White Orpington, we firmly believe that no variety which has ever been found has a greater claim to the regard of the people either for a utility fowl, or one for the fancier.

"Do we want a good layer? There are very few varieties that will produce as many eggs, or as great a weight of eggs in a year as this, and still fewer that will furnish these eggs in winter, when the price is high, and those few varieties are inferior in many qualities which are desired in poultry; they generally are inferior in weight, and in the present state of the meat market we must depend very largely upon poultry to make up the deficiency in the beef, pork and mutton supply. If then, we have a variety of poultry that produces the same weight in eggs, with from 50 to 80 per cent more meat, this of itself makes one of the strongest inducements to grow it: the quality of the meat also counts. While the lesser kinds may equal the White Orpington in fineness of grain there is none superior and but few equal in flavor and sweetness, and no person who has tasted the meat of a White Orpington will have much use for the coarse-grained Asiatic varieties. The White Orpingtons are quick growers and fairly quick in maturing.

"On our farm we have raised the young to broiler size—1½ lbs.—in from five to six weeks, less than half the time that the largest Leghorn farm in the world claims that the Leghorns are fit to use as broilers, and at 6 months old we have laying pullets weighing 7 lbs. and cockerels 9½ lbs. this year. No other fowl can excel the Orpington as broilers, as there is a greater fullness of breast in them than in any other variety known to us.

"They can be successfully grown and kept as wide as any other fowl; they will thrive in the moist and cool climate of England, their native home, and in the hot and dry climate of Southern California, of Australia and New Zealand, and also in the cold climates of Newfoundland and British Columbia. We make a good percentage of our sales in Canada and Newfoundland, with a large proportion in Manitoba and British Columbia, and we have sold birds and eggs in every one of the United States, and we have yet to hear from any locality that the White Orpington does not do as well as any other class.

"The hens are docile and quiet, and a 5-foot fence will keep them without roofing over your farm with wire netting to keep from paying damages to your neighbor's garden. They are good foragers, and active for so large a bird, good sitters, and the best of mothers, but are not hard to break up when broody.

"Thus we see that they are possessed by every quality needed by the people at large, and one has only to see a flock on the lawn

or in the breeding pen to say that there is no fault for the amateur or fancier. White in plumage, red in comb, lobes and eye, beautiful in shape, and unexcelled by any other, they are the pride of their owner, and the delight of the beholder. Besides this, they are very susceptible to improvement at any point where they were originally lacking, when properly bred and mated. When first sent out in England many of them had white in lobes and wattles, were

pale in eye, and with blue tints in their legs, which resulted in taking in the composite breed features of the Leghorn and the Hamburg. In England these things were not considered as disqualifications, and but little care was taken to correct them, although to the American breeder they are decided blemishes, and at first greatly detracted from the success in interesting the breed to the masses, but our experience shows, that with proper care, in mating,



## Ferris Leghorns for Winter Eggs

If you aren't getting a good egg yield now when eggs are high, it is time to change your methods, or your stock. In most cases where winter eggs are hard to get, the stock is to blame. No amount of care will make hens produce winter eggs when they have never been bred for eggs. If you have the wrong stock, change now before it is too late. **Ferris' Improved White Leghorns** have been scientifically bred for eggs for thirteen years, and the **laying instinct is bred in the bone**. We trapnest all our breeding pens and breed from no hens that lay less than 160 eggs a year. We select for size, health, vigor, and can furnish you the right kind of stock for egg production—and at low prices, too.

### 25 First Prizes at 8 Big Shows

Iowa State Fair, Des Moines, Iowa  
August, 1913

First and second cock, first cockerel, first and third hen, silver cup for best cockerel in Mediterranean class.

Maryland State Fair, Baltimore, Md.  
September, 1913

First and second cock, first and second hen, first pullet.

West Michigan State Fair, Grand Rapids, Mich., September, 1913

First and second cock, first and second hen, first and second cockerel, first and second pullet, first pen.

West Virginia State Fair, Wheeling, W. Va., September, 1913

First and second cock, second hen, first cockerel, second pullet.

Kansas State Fair, Hutchinson, Kansas, September, 1913

First cockerel, first pullet, second pen, second sweepstakes.

Alabama State Fair, Birmingham, Ala., October, 1913

First and second cock, first and second hen, first and third cockerel, first pen.

Georgia State Fair, Macon, Ga., October, 1913

First, second and third cock; first, third and fourth hen, first and second cockerel, first and second pullet.

Mississippi State Fair, Jackson, Miss., October, 1913

First cock, first cockerel, best cockerel in show.

We will show at several more big shows during December and January. Write for complete list of winning, and let us prove to you that Ferris Leghorns will win for you in strongest competition.

**Prices are reasonable, too.** We have thousands of birds to select from, and are in better shape than ever before to furnish exhibition and breeding stock. Hundreds of exhibition cocks, hens, cockerels and pullets direct from our winners, at \$15 and up for males, \$7 and up for females. You will be surprised at the values we are giving at these prices—big, long-bodied birds with beautiful Leghorn shape, good heads, extra low tails and perfect color. Remember that we can furnish winners for any show in the country and will guarantee them to win first prize.

If you want laying and breeding stock, we have fine yearling hens and pullets at \$2.50, \$3.50 and \$5 each; cocks and cockerels at \$5, \$7 and \$10 each. These birds are all bred from our trapnested layers with records of 160 or more eggs a year, and will make foundation stock that cannot be excelled for egg production. They will lay at least two dozen eggs a year more than ordinary stock, and whether you raise few or many, they will make the foundation stock you need for greatest success.

All stock is sold on a positive guarantee to please you or money refunded. Keep them three days, compare them with others, and if they don't suit you in every way, send them back at our expense. We also ship C. O. D. if desired, in which case you only need send enough to pay express one way. All stock is insured for 30 days—we stand the loss if any die.

### Eggs and Day-Old Chicks

We are now booking orders for spring delivery. Thousands of fine hens in our bred-to-lay matings and 15 of the best exhibition matings that have ever been mated. Prices are remarkably reasonable and we replace all infertile eggs free and guarantee safe arrival of chicks any distance. Our capacity of 5,000 chicks a week enables us to ship large or small orders promptly and to quote low prices. Write us for particulars.

### GET THIS CATALOG TODAY

Read the complete story of Ferris White Leghorns in the 132 page free catalog, which we will be glad to send you. Learn how we developed the laying qualities so that records of 160 to 200 per year are common, how we improved exhibition qualities until today Ferris Leghorns sweep everything wherever they are shown; how we feed, house and manage our stock. Fully describes all grades of stock, eggs and chicks, and will enable you to get started right at small cost.

Mail a postal today. The catalog will reach you by return mail.

**GEORGE B. FERRIS, FERRIS LEGHORN FARM**  
905 No. Union Avenue, Grand Rapids, Michigan



these defects can be bred out, and the bird can be bred as true to the desires of the American fancier as any other variety known.

"At first the plumage of the male, like that of all other white varieties when first introduced, was liable in our hot and dry climate to take on a creamy or brassy tint when exposed to the weather, and at this point we wish to say that when imported birds, raised in the cool and moist climate of England have been brought over, a few months will show that if possible their color becomes worse than that of birds hatched and grown in this country. Of course, looking upon this as a defect, breeders desiring to improve the variety, have for the last three or four years been breeding to secure a bird that would stay white, and not require even the slightest bleaching for the show-room. Those who have followed the show-room for the last three or four years all know, what perhaps the general public do not know, so will say that but very few white males of even the leading varieties, Wyandottes, White Rocks and Leghorns but that have had something added to the water when they were washed, and our experience now is, and we have demonstrated it within the past two years, that the White Orpington can be bred to as pure a white as any of the above named varieties.

"Another thing should be considered in the breeding of this variety, in England meat is more valued than eggs or beauty, and there is a tendency there to breed the White to the shape of the Black, to increase size almost to that of the Cochins or Brahmas, and not by the infusion of Asiatic blood to get fluffiness of feather and cushion. In following this method of breeding we foresee the past danger to the White Orpington in the discussion at the last convention of the American Poultry Association opinions show that this last method of breeding the Blacks had resulted in a great loss in their egg producing capacity; excessive size makes clumsiness, loss of activity and decrease of fertility as well as loss in egg production, and we say to American breeders of White Orpingtons: Do not accept birds of the Cochins or Brahmas type for White Orpingtons, but demand them with the fairly close plumage, their present weight, and their present egg productiveness, with their fine grained, tender, and sweet flesh, and you can rest assured that you will be satisfied with them, and that they have come to stay. We are glad to see that the committee upon the revision of the standard, in making changes in the White Orpington variety have made changes which recognize the fact that there has been a tendency to breed the bird too low down, and with too short a body, and have provided for a little longer shank and a longer body than in the present variety."—H. H. Coburn.

### Regal White Wyandottes.

Ever since the late New York State Fair we have had in mind the wish to pay Mr. John S. Martin, Port Dover, Ont., our compliments and all unbeknown to him and gladly accepting this opportunity to do so. Behind all of this is also a duty to perform, a duty we owe to our readers to tell them of what the Regal quality is today in the hands of Mr. Martin.

All "Regal" news is good news, for it is one of our oldest and most successful lines of White Wyandottes, known from coast to coast for both its breeding and winning quality, and to Mr. Martin, the owner and breeder, all this is due, for it is his quality and skill alone that has made all this possible, and has placed this line soundly in the confidence of the breeders in general wherever standard-bred poultry is bred.

It has been Mr. Martin's custom to exhibit at the New York State Fair for several years past where his winnings have always been very large and from memory we dare say that he has won easily nine-tenths of all first prizes and of all others during the past six or seven years. We believe this estimate as near correct as can be figured. Also let us consider that during these years the entries have numbered from 3,500 to 6,000 birds each year with all the great classes like White Wyandottes, etc., among the largest, strongest and best at the exhibit.

The winning made by Mr. Martin this September we believe to be the best he has ever made for the reason that his birds shown were the best he has ever placed in a show pen and they so far outclassed all competition in quality and condition alike. His winnings were: Cocks, 1-2-3-4-5. Hens, 1-2-3-4. Cockerels, 1-2-3-4-5. Pullets, 1-2-4-5. Old pens, 1-2-3-4-5. Young pens, 1-2-3-4-5. With display and collection specials, etc., and there was not a question over one of the awards. There could be none.

The winning cock bird in quality and condition was the best cock we have seen shown at an early show, a magnificent specimen don't just tell all for he had every quality and seemed to have them superior to even standard demands, no word picture can do him justice, his grand head, fine comb, broad back beautifully carried, deep, broad and full breast, spread and carriage of tail and deep body all combined to finish him into a true and ideal Wyandotte. His fifth cock as well as the first deserve description and so do each of his other winners, for they were all moulded from the same cast as the champion with but two of them not as near ready. In heads and general characteristics they were the same and birds of extraordinary merit.

In cockerels he also won all prizes offered and these winners, sons of champions, are the real champions themselves at less than eight months old. Remember, every one of

these would have been a champion had the preceding one been away, and every one of them was well qualified for the honor.

The striking feature in the cockerels was the similarity of type, heads, finish, etc. The first three in particular resembled one another in general characteristics to a marked degree. The first cockerel, a large, strong fellow, well carried and of the same quality as the winning cock, with depth and fullness a marked feature. We dare say that it is our opinion he will make a wonder cock, superior to the first cock, if that is possible. Second cockerel, up close, and third a most precious one.

In females Mr. Martin has been able to produce the same desired quality that he has in his males. Small combs, well set, the richest of red eyes and the whitest of white plumage, with form and a fullness insuring the best of breed characteristics.

First hen finished to the minute, in the best possible feather and condition, head and comb with shape of back, spread of tail and full breast and body worthy of special comment. Second her equal in most ways, and third a strong favorite. The four hens seen were of a class of special favor and merit. Pullets up to size and weight and in full feather and laying like sixty, is what Mr. Martin showed in this class. We do not know what his egg records are, but can well imagine from those seen here where we get our daily supply of fresh eggs. First pullet a gem in the class with the others following closely, in type and general character they were like the hens, with no holes in them.

In both old and young pens Mr. Martin won all prizes offered. Here were cocks and cockerels as strong as those in the single classes and females matched and mated to simple perfection, all of a rare quality, and all in the finest possible condition.

Taken all in all, it was a most beautiful display of "Regal" quality birds, one long to be remembered, and if ever unlimited success was due a breeder, it is due to Mr. Martin. His life work is in his strain and for all these years he has shown us continued improvement and a desire for better things.

At Boston's great show last winter Mr. Martin made a similar win, taking all but one first prize and many others. It was a record of greatness, but it was no greater than the man or his line of Wyandottes.

At the fair Mr. Martin invited us to call and told us of the very large flock of birds he had this year and he wanted us to see for ourselves, so we will expect to call on him early in December and will then tell our readers of the sights on the "Regal" home plant. Mr. Martin has a very large plant. We have been through before and know his capacity and ability to raise early and late birds and to mature them. Write him for his catalogue and other information and always mention the A. P. J.—H. P. Schwab.

## FLANDERS' SINGLE COMB WHITE LEGHORN FARM

(PARMENTER STRAIN) — We can now spare some fine quality cocks and hens. Some grand youngsters coming on. Get ready to win this Fall by writing us today. Mention American Poultry Journal.

ROBT. D. PARMENTER, MANAGER

FLANDERS' WHITE LEGHORN FARM

ROUTE 1, BOX 80, ORCHARD LAKE, MICHIGAN

## LESTER TOMPKINS' Rhode Island Reds

The originator of this famous strain that has made the Reds one of the most popular breeds of fowl on earth, always at the front both in the show room and laying contests.

### My Recent Winnings at Madison Square Garden and Boston

prove they are still in the lead, winning display special at both shows, 1st hen in both combs and all female shape specials at Garden, 1st cock and shape special in single comb. Also all display specials and state cups for both combs at recent Boston show against birds that had been considered unbeatable. My breeding pens this season are simply grand. Prices right. Some extra choice bargains in breeding stock. Both old and young stock of the highest quality ready for showing in the Fall and Winter shows.

LESTER TOMPKINS,

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::

CONCORD, MASS.





# Owen Farms' Birds

MADE A RECORD AT

## Madison Square Garden, N. Y. in December, 1911

That has never been approached on their varieties.

### BUFF ORPINGTONS

1st Cock; 1st Hen; 1st Cockerel; 1st Pullet; 1st Pen and 1st Collection.

### WHITE ORPINGTONS

1st Cockerel; 1st Hen; 1st and 2d Pen and 1st Collection.

### WHITE PLYMOUTH ROCKS

1st and 2d Ck.; 1st and 2d Ckl.; 1st and 2d Pullet; 1st, 2d and 3d Pen and 1st Collection.

### WHITE WYANDOTTES

1st, 3d and 4th Cock; 2d and 4th Hen; 1st and 2d Cockerel; 2d and 3d Pullet;  
1st, 2d and 3d Pen and 1st Collection.

### S. C. RHODE ISLAND REDS

1st Cockerel; 1st Hen and 1st Pen.

**18 out of a possible 25 FIRSTS in the HOTTEST CLASSES in the SHOW.**  
**1st CKL. and 1st PEN on EACH VARIETY, the MOST IMPORTANT FIRSTS.**  
In 1912 we sold for New York and exhibited in only one variety.

YOU WANT soft, even, sound BUFF ORPINGTON males and females, with typical type and big bone to WIN your show and breed you winners. Birds that have been line bred for years from the best individuals ever produced in England or America. You can get them of me at the lowest prices similar birds were ever sold for.

YOU WANT deep, wide, heavy boned WHITE ORPINGTON males and females that are over standard weight, have grand head points and are whiter than those you have or those your opponent will show. You can get them of me and WIN. The best cocks, hens, cockerels and pullets ever bred from the flock that has WON its LEADERSHIP in the HOTTEST company.

YOU WANT snowy white, typical shaped WHITE ROCK males and females that have fine combs, red eyes, broad backs, wide spread tails and that are over standard weight. Birds that will CRUSH your competitor in the show room and help your matings. You can get them of me and have the honor of your winning and the benefit to your flock.

YOU WANT broad, cobby WHITE WYANDOTTES with sufficient length of body and back to meet the requirements of the new Standard and make productive breeders. Males and females with neat rocker combs, fiery red eyes, pearly white color, and that are standard weight or over. The BEST WHITE WYANDOTTES ever produced. You can get these birds of me and WIN in any company. Line bred for fifteen years and will breed you winning chicks.

YOU WANT rich colored males and females in S. C. Reds that have plenty of size and bone, fine long bodies, low tails, good black markings, and that have good combs, red eyes and good legs. You can get them of me and have the absolute certainty that your money could not bring you birds quite as good elsewhere.

If you do not want exhibition birds but BREEDING BIRDS of the HIGHEST CLASS, I have a superb lot from which to choose and will sell these birds at the lowest prices I have ever known birds of a like quality to be sold for. Grand utility matings and superb matings of a better quality.

### SPECIAL FOR DECEMBER

**75 GRAND YEARLING COCKS IN ALL VARIETIES** to Head your Matings, \$10 to \$15.00 each. Extra good at the price.

**SATISFACTION** with every bird shipped or I want you to return at my expense and receive your money back.

Do not order elsewhere until you have read my new Illustrated CATALOGUE. Write me and receive it by return mail.

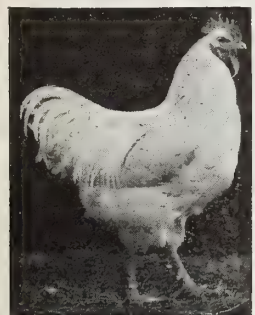
**MAURICE F. DELANO,** Successor to Owen Farms  
107 William Street  
Maurice F. Delano, Proprietor  
Vineyard Haven, Mass.  
Frank H. Davey, Superintendent



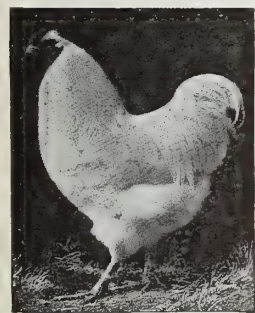
First Prize Cockerel, Madison Square Garden, December, 1911



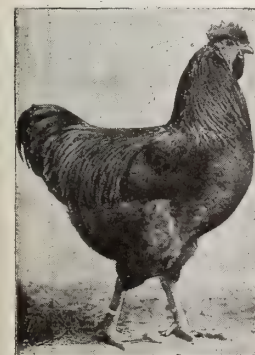
First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911



First Prize Cockerel, Madison Square Garden, December, 1911



## Simmons and Crittenden.

During September I made my annual visit to the Simmons & Crittenden Rose Comb Red Farms, Geneva, Ohio. These two gentlemen make a great team, their interests fitting in smoothly. Mr. Simmons lives in town, where there are buildings sufficient to keep a goodly number and where the egg trade is handled. Mr. Crittenden lives on the farm, which is about one mile east of Geneva and only a few minutes' walk from the Cleveland, Painesville and Ashtabula electric line. Here we found young stock growing and maturing under the most ideal conditions. These gentlemen are among the advanced advocates of very dark rich red and their birds are extremely even in brilliant surface color, in fact an up-to-date red and have a shine on them. The males run wonderfully strong in sound undercolor, absolutely free from any smut or white, and are exceedingly strong in tails and wings and we did not see a straw or russet tail among them. The females are clean in undercolor, good in wings and tails and typical in shape.

This firm positively taboo high tails and consequently their Reds have low tail carriage. When it comes to head points, to take them as a whole, there is no flock that can surpass them in this direction. On this farm a large percentage of the hatching is done artificially, but good mother hens are very much in evidence and nothing can beat them for making hustlers out of chicks, as she induces them to step lively for bugs, and this partly accounts for the luster and finish of the Simmons & Crittenden Rose Comb Reds. They have some nifty show cockerels sired by their first cock and grand

champion at Pittsburg, 1913, also winner of both shape and color special. This bird is absolutely sound in all sections and weighs 10½ pounds. Many of the cockerels sired by this male are the exact counterpart of him. Another grand sire of the young stock is their first prize cockerel Pittsburg, 1913, first in a class of 35 cockerels. Their second Chicago cockerel, 1911, has proven himself a grand producer of type and color. Another great sire is their third Pittsburg cock that won third cockerel at Chicago and headed fourth Boston pen, 1912. Among the many fine females I took special notice of were two of the finest hens I ever saw. There are over 700 birds to select from and you make no mistake in ordering your show birds from Simmons & Crittenden, Geneva, Ohio.—H. H. Coburn.

## Get Your Sample Copy.

We want to send every reader of American Poultry Journal a sample copy of Poultry Post, one of the best poultry journals published for the beginner, chucked full of interesting and helpful articles on how to make money with poultry.

Never was our outlook more encouraging than at the present moment. Beef as a meat diet for the American people will soon be a thing of the past and the demand for poultry and eggs will keep increasing which will have a tendency to keep the price soaring higher and higher until it will only be a question of a few years when a good living can be made on an acre of ground with poultry.

Good breeding stock will command top notch prices. The higher the market price the more demand it will create for standard

breeders. Let us tell you all about these facts in Poultry Post. Trial four months' subscription, 10 cents. Sample copy free. Poultry Post, D. 30, Goshen, Ind.

## How to Get More Eggs.

Many poultry raisers have an idea that the number of eggs produced depends entirely on the quantity of food given the birds. They stuff their hens full of food without causing them to work for it or furnishing them grit to help digest it. As a result, the hens become drowsy, lazy and too fat to lay. In many cases the birds become crop-bound and die simply for lack of grit to help them digest the food in their crops.

Chickens have to grind their food in their gizzards before they get the benefit of it. The grit they get serves as teeth. Denying a bird grit is just as sensible as expecting a person to grind his food in his mouth without teeth. During the winter months when eggs are so valuable, and the cold and snow on the ground makes it necessary to shut up the birds, the necessity for feeding a good grit is imperative. If this need is not met the owner is bound to suffer in loss of eggs if not in the loss of the birds themselves.

While grit plays such an important part in the digestion of food, a good grit, such as the Ohio Marble Company's "Pearl Grit," also provides other necessities absolutely essential to increased egg production. This includes calcium carbonate (lime) for egg shells; vitreous (glass) matter for the composition of feathers; also sulphur and carbonates which help to make the egg itself.

**U. R. FISHEL'S AD in this issue will interest you. Read it.**

# SILVER CAMPINES GOLDEN

Quality predominates in my yards. New York State Fair, 1913—Winning 1st Silver pullet, 2d Golden pullet, 3d Golden pullet, 1st Silver cockerel, 1st Golden cockerel, 2d Golden cockerel, 2d Silver pen (young). Eggs, young and matured stock for disposal.

**H. P. McDonough : : : : : Newark, New York State**

## CHAMPION

## BUFF WYANDOTTES

America's Great General Purpose Fowl

Just made a Clean Sweep at the Big Illinois State Fair

Competing against birds that had been winning the blue ribbons at many of the best shows. Champion Buff Wyandottes won every First and Second Prize.

First, Second, Third Cock  
First, Second, Fourth, Fifth Hen  
First, Second, Third, Fourth Cockerel  
First, Second, Third, Fourth Pullet  
First, Second, Third Pen

At the Greater New York Show 1913

won twice as many prizes as all competitors combined, Silver Cup, Best Display, Gold Special, Best Display all varieties competing.

The above recent winnings prove that we have the Real Champion Buff Wyandottes, supreme in color and type. The most wonderful winter laying strain on earth.

Some grand Cocks and Hens and hundreds of youngsters that can win at any show on earth

**BESUDEN BROS., R. W. Sturtevant, Mgr., Box 359B, CINCINNATI, OHIO**

## PURITAN

## PARTRIDGE ROCKS

"The Quality Flock of America"

Another Clean Sweep at the Big Illinois State Fair

In the strongest class shown this year, Puritan Partridge Rocks won

First, Second, Third, Fifth Cock  
First, Second, Third, Fourth Hen  
First, Fifth Cockerel  
First, Second, Fourth Pullet  
First, Second, Fourth Pen

At the Greater New York Show 1913

won Three Firsts, Four Seconds, Four Thirds, Three Fourths, Silver Cup Best Display.

Puritan Partridge Rocks are a revelation in color and type. They mature early, are extremely hardy, and are great layers.



A hen must have all these substances to make herself of greater value to you.

"Pearl Grit" has a hard, sharp grinding surface, but is readily susceptible to the process of assimilation. It is clean, white and nutritious. It not only imparts those egg-making qualities so necessary to laying hens, but also provides strength and feather-making materials enabling a speedy molt. "Pearl Grit" is also made in finer sizes for growing birds and chicks. It gives them exactly what they need for rapid development, and to make them good steady layers.

We would suggest that any reader interested in increasing the egg production and health of his flock will do well to write the Ohio Marble Company, of Piqua, Ohio, for their beautiful, instructive booklet telling why "Pearl Grit" is such a practical, profitable food. See their adv. on another page of this issue.

#### "Fishelton."

When but a mere boy of ten years of age U. R. Fishel began dabbling in fancy poultry and being a possessor of keen business ability and having a determination to make a success of anything he undertook, and a firm believer in advertising, he made good. Each year increasing his advertising and by so doing increasing his business. In the year 1882 he formed a partnership with his brother, J. C. Fishel, and as is invariably the way with beginners, they tried to breed every variety under the sun. Finding this was not practical they discarded all but the Black Langshans and continued to breed this variety for several years. Right here is where the Fishels began to show their individuality and be leaders in this variety, proving the great possibilities of the specialist.

U. R. Fishel being some years younger than J. C. and having arrived at the age when his home town had become too small for him, and had visions of pastures new, he accepted a position to manage a poultry farm in Alabama. In the meantime he sold the entire flock of Langshans.

U. R. Fishel returned home from the South and engaged in the mercantile business and while ninety per cent of those who enter the mercantile business make a failure, he with his old time tenacity and close attention to details made a success of it. While riding across the country one day he observed White chickens dotting a farm yard, and being enchanted with their great beauty, a severe attack of chicken fever developed immediately and he stopped and made inquiries regarding them. They, of course, were White Plymouth Rocks and U. R. purchased the germ of his great strain. Fifteen hens and an ancient cock for the fabulous sum of \$15.00, and out of these birds he made "The Best in the World Strain." He devoted all his spare time to these 16 birds, hardly taking time to properly masticate his food, and as stated before he was a firm believer in the use of printer's ink and so invested \$3.50 in a breeder's card in a leading journal and received orders for eggs and birds amounting to \$150.00. This large return for his small investment set him to figuring it out like this. If a little side issue poultry business was making more clear money than the mercantile business, why not spend more money advertising and raise more White Rocks, so acting on this plan he continued to advertise and in a short time had raised one thousand White Rocks on a piece of ground about eight rods square, the same tract containing residence, stable and other buildings, and as he had realized more clear money on his Rocks than from his mercantile business, he and Mrs. Fishel decided to sell the mercantile business and buy a farm. They bought a farm of 120 acres for \$6,500, paying \$1,000 down and the remainder in yearly payments. To this they have added 70 acres and have various other investments, all paid for with White Plymouth Rocks.

Fishelton now comprises 190 acres and is worth a lot more money than when purchased. The poultry yards proper contain 33 acres, 15 of which are used for breeding yards, all set out to fruit trees. Mr. Fishel is a strong advocate of the colony house plan, although it takes more labor to care for the stock. There are over 200 buildings on the farm. The office is in the residence and is beautifully furnished and equipped with three typewriters, dictaphone and all necessary furnishings.

The shipping house is 16x100 feet, part of which is two stories, the upper floor being used as conditioning rooms for exhibition birds. On the lower floor is one large room for cooping. There are seven rooms with a capacity of about 450 birds. The north wall, entire length of the building, is covered with exhibition coops for the male birds to be shipped out to every nook and corner of the globe. Very frequently the shipments consist of three to four hundred birds a day. The capacity of

## ALLENTOWN

**Has Surrendered All Her Highest Awards, Cups, Etc., to Our**

# S. C. R. I. REDS

At this great 1913 show with the largest and best entry ever recorded, we won first cock, first and second hens, first and third cockerels, first pullet, first pen, first display, \$60 cup for best Rhode Island Red, the sweepstake for best Red male or female, etc., etc., This is a modern record made by our modern up-to-date line.

## This Stupendous Sweep

Is but a repetition of our last year's winnings when they led all others at Philadelphia, Cleveland and Pittsburg by winning 13 out of a possible 15 first prizes competing in the largest and strongest classes of the year. (Look up these records.)

## At Philadelphia, Cleveland and Pittsburg

**Our First Prize Cockerel Was Awarded the Championship Sweepstake Special for**

## THE BEST MALE IN THE ENTIRE SHOWS

**This Record Stands Alone and Unapproached by Any Breeder and of Any Line**

Our Allentown winnings prove we again have the winning quality for any show. Having 1,300 youngsters ripening with an evenness of color and highest merit, we are prepared to fill your wants to your perfect satisfaction in either old or young. We offer early birds fit to win now. Selected breeding birds mated for results a specialty in pens, trios or in larger lots. Write us your wants please. It is no trouble to quote you prices and give any desired information. Mention A. P. J.

## Schenley Heights Poultry Farm

**C. F. Rankin, Proprietor**

**1202 Commonwealth Building, Pittsburg, Pennsylvania**



THE  
WORLD'S  
BEST  
LAYERS



R. C. R. I. Red "Lady Hattie"—255 Eggs

THE WORLD'S BEST LAYERS

BARRED ROCK    BUFF ORPINGTON    S. C. R. I. RED



Lady Vera  
235 Eggs



Lady May  
219 Eggs



Lady Agnes  
236 Eggs

## 85 Eggs is the average yearly yield per hen

So say the government statistics

The government knows and so should you know. Do you know that in many states, and in all probabilities in your own state, there are poultry experiment stations conducted by the state governments? The nature of their work is to increase egg production both by breeding and scientific feeding. It has been ascertained that both are essential. Breeding is 75 per cent and feeding 25 per cent. No progress can be made if a haphazard method of breeding is adopted.

### Absolutely no progress can be made unless the individual records of the breeding stock are known

The method of breeding from the best layers year after year is the only method that will bear fruit. This means the continual use of the trapnest. The fact that there are so many failures in the poultry business, even though market eggs have doubled in price within the last ten years, is due to the unreliable laying stock. There is no doubt, but what there are good layers in every flock, probably 30 per cent are profitable, 70 are not profitable. These are the proportions your purchase will represent if you are buying from the breeder who does not trapnest.

Would you not rather pay a little more, or not buy so many, knowing that your purchase is stock from profitable layers only? This deserves your serious consideration. You cannot succeed with stock others are making failures with, and upon careful investigation you will find that 99 per cent of the breeders of this country are not breeding for eggs. They are breeding for show purposes and are offering the inferior specimens to you as egg producers.

See ad. on opposite page, also photographs of my White Rock and Barred Rock layers. My catalogue is free, write for it.

John G. Poorman:

Midlothian Farms and Hatchery

Box 100 : : : Tinley Park, Illinois

TRAP-  
NESTED  
200 EGG  
STRAIN

the shipping house is about one thousand birds. Another conditioning house is 16x48 feet with an "L" 16x20 feet. This house has eight pens and single coops enough to accommodate 84 birds. There are ten breeding yard houses 8x12 feet, six scratching sheds 8x24 feet, two Tolman plan houses 12x20 feet, 108 colony houses 5x10 feet, made from piano boxes. These are scattered all over the farm in and about corn fields and alfalfa fields.

The incubator cellar is 58x18 feet, in which is one ten thousand Mammoth incubator and 20 smaller machines. Above the incubator cellar is the egg room and brooder room, which contains six Paradise Brooders. The brooder house is a continuation of the incubator cellar and is 140 feet long and 16 feet wide. At the east is the furnace room, with wash room above. The main building of the brooder house is 123 feet long and is divided into pens 8 feet wide, with a three foot passage-way. The remaining 13 feet of floor space is divided, 8 feet of wooden floor on which is set brooders and hovers, 5 foot of soil is utilized for raising green food for chicks. The partitions are so arranged to admit of the chicks from one apartment to another without handling.

The two story storage and private stable is 40-50 feet, the feed storage and stock barn is 60x90 feet with a 16x32 silo. Another barn is 20x60 with pigeon loft. Scale shed, two tenement houses and other buildings too numerous to mention, round out the two hundred.

The water is supplied by a private system pumped by an electric motor and piped to all buildings. When the writer made his annual visit to Fishelton he found White Rocks by the thousands and as usual the young stock on the gain in quality. Mr. Fishel will soon have reached his limit in improvement unless he can make them more than perfect.

Mrs. Fishel was as usual unable to supply the demand for her White Indian Runner Ducks. Space forbids further detail, but a visit to Fishelton will be an eye-opener to most any one who has thought he has seen a poultry farm. Those unable to visit Fishelton will get a good idea from the beautiful book, entitled "Poultry for Pleasure and Profit." For full particulars address U. R. Fishel, Hope, Ind.—H. H. Coburn.

### Here Is the Address.

Last month we published a small one-half inch advertisement for one of our patrons offering a four months' trial subscription for 10 cents but inadvertently left off the name of the publication giving only the name of the post office where this journal is published. The full address should have been Poultry Post, D. 30, Goshen, Ind. We are glad to call the attention of our readers to the same advertisement properly inserted in this issue. Their offer of four months' trial subscription still holds good and we hope everyone of our readers will take advantage of it. They will also gladly send you a sample copy free upon request. Remember, address them, Poultry Post, D. 30, Goshen, Ind.

### How to Ship Eggs and Other Products by Parcel Post.

Many of us do not yet seem to fully realize the advantages of shipping much of our lighter produce by parcel post.

We have been in the habit of using other means so long that it seems hard to change our usual methods, even though the new way is much better, more convenient and economical.

The new 20-pound limit for parcels lately put in operation by the post office department has greatly increased the opportunities for shipping dressed poultry, fruit, butter, eggs and all kinds of garden and dairy products direct to the consumer at a small cost for transportation. Twenty pounds will allow for quite a quantity of farm products and, when fully taken advantage of, this new ruling will revolutionize, to quite an extent, modern retail methods of selling farm products.

The first thing to consider in preparing to ship your eggs, dressed poultry, fruit, butter or vegetables, is the package. You need something that is neat and compact, strong, yet light and attractive. Nothing creates so favorable an influence on the customer as the appearance of the package in which the goods arrive. Every successful concern appreciates this—it is one of the laws of selling.

Especially in shipping eggs and day-old chicks is a strong but light, compact package absolutely essential to success. There are many different kinds of such packages on the market, but we have found one better than the "H. & D." Eggs and Chick Boxes. They are made of double faced,



corrugated, jute board, and are waterproof, non-absorbent, sanitary, light but strong and firm. They are built to stand the rough handling of long express shipments and protect their contents from heat and cold. The "H. & D." Egg Boxes have two thicknesses of elastic board, which give perfect protection—there's a separate cell for each egg. The "H. & D." Chick Box has separate compartments which prevent crowding and trampling. A patent ventilating device assures plenty of fresh air at all times. The chicks will not smother nor sweat. Chicks "H. & D." boxes are made by the Hinde & Dauch Paper Company of Sandusky, Ohio. They will mail free to anyone interested a very useful little booklet entitled, "How to Pack for Express or Parcel Post" and also a descriptive booklet on "H. & D." Chick and Egg Boxes and Fireless Brooders. are shipped only by express of course.

### Do You Want More Eggs?

Thousands of people are following the plan of feeding their hens ground up green bone, raw meats or vegetables to keep them laying during their usually idle season. The plan has proven unusually successful.

This year promises to be an exceedingly good year for the man or woman who has eggs to sell. Meat and other products now demand high prices and, in fact, the entire market indicates a tendency toward higher prices.

If you are raising poultry it is worth your while to look up the proposition of the F. W. Mann Co., at Milford, Mass. They have a machine that does excellent work grinding bone, meats and vegetables. It has 15 years of experience behind it, and is known as the original bone cutter.

The particular advantage of the Mann machine is that it cuts all of the stuff you put in it. It is not necessary to throw away a tendon or gristle. There are no big slices or splinters that get through the machine. It does its work easily and quickly. The operator does not have to dig out particles of bone, meat or gristle from the machine.

We suggest that you write the Mann Company for their proposition. A few dollars invested in their machine, returns quickly in profits earned. You can make every hen a paying hen this year and for many years to come. An interesting catalogue is published by the above concern which can be had by writing them at Milford, Mass.

### New X-Ray Factory.

Largest of all exclusive incubator plants in the world—a marvel of modern equipment—the new factory of the X-Ray Incubator factory at Des Moines, Ia., is attracting poultry raisers in all parts of the country. The factory, recently completed, is now open to visitors. Multitudes have already availed themselves of the opportunity to view the plant and to acquire the valuable information which a trip through the big institution affords. The visit is in fact a chapter of real education on poultry culture, which no one interested in the business should miss, when in Des Moines.

The prime object in locating this plant at the Iowa capital is the betterment of shipping facilities. The constant and rapid growth of the X-Ray Company's business, some time occasioned unavoidable delay in shipping. It will be welcome news to poultry people everywhere that all such delay has been effectually overcome by the new location. In a few hours the X-Ray Company now reaches any point in the corn belt with an incubator shipment. This means that any customer can now count on receiving his incubator at once, where formerly he had to wait some days.

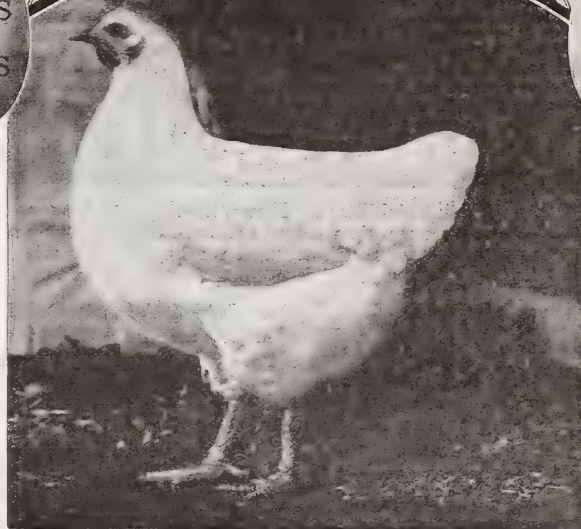
The growth of the X-Ray business making necessary this immense plant is conceded to be the most remarkable in the industry. The manufacture of X-Ray incubators began only half a dozen years ago in a little carpenter shop. It is a great commentary on the state of the poultry industry—how it is increasing by leaps and bounds—how modern methods have come into universal practice—are most eloquently and convincingly proved by the new X-Ray factory.

A visit to the X-Ray factory at Des Moines discloses not only this but other important advances in incubator building. To those who can not come, however, the X-Ray Incubator Company will gladly send illustrations and full description of the machine to those who write.

Geo. H. Rudy, Mattoon, Ill., the well known breeder of the Perfection strain of White Wyandottes, will have his usual display of male birds at the Coliseum show this month. This display will consist of some of the finest White Wyandottes in this country. Don't fail to see this exhibit.

THE  
WORLD'S  
BEST  
LAYERS

TRAP-  
NESTED  
200 EGG  
STRAIN



White Rock "Lady Show You"—281 Eggs

### THE WORLD'S BEST LAYERS

S. C. W. LEGHORN WHITE ORPINGTON W. WYANDOTTE



Lady Beatrice  
240 Eggs

Lady Grace  
232 Eggs

Lady Rose  
235 Eggs

## Why I Breed for Eggs

EGGS are the logical source of income for those who wish to succeed in the poultry business. I breed for eggs because there is a demand for them that has never been supplied, and at prices that yield a good profit. The more eggs I produce per hen means that much additional profit. By trap-nesting and breeding from my best layers, and by the judicious introduction of new blood, my fowls are capable of producing good profits.

I breed for eggs because I can see more real money for my products. Ninety million people demand eggs. They constitute the market—the best market in the world. No one ever made a failure because he could not sell eggs, but thousands have made failures because their hens would not produce enough eggs to make success possible. The average hen is not a success. Your stock will have to be above the average if you are to be successful. I have made a success because I breed for eggs from stock that is very productive and has been so for many years.

You are assured of a market. Your success, therefore, depends upon your judgment in selecting the right kind of layers. Do you expect to find these layers on a farm where eggs are of secondary importance, or on a farm where eggs are given every consideration every day of the year?

#### MY PRICES:

Pullets .....	\$4.00 and \$5.00
Hens .....	\$4.00, \$7.00, \$12.00
Cockerels .....	\$6.00 and \$10.00
Cocks .....	\$10.00 and \$15.00

15 per cent discount on trios. 20 per cent discount on pens.  
25 per cent discount on ten or more.

Write for my catalog and revised price list.

John G. Poorman:  
Midlothian Farms and Hatchery

Box 100 : : : : Tinley Park, Illinois



# SINGLE COMB BROWN LEGHORNS

First prize winners at Madison Square, New York, Chicago and Philadelphia.  
Prices reasonable. Write for circular. Mention A. P. J.

Frank Schellang, Route 8, Erie, Pennsylvania

## O.K. Poultry Litter

TRADE MARK

"O. K." is the most wonderful litter for **Hens, Ducks, and Geese**. It's cheaper to use and ever so much better than Straw, Clover, Alfalfa, Sawdust, Shavings, or anything else ever thought of for litter. All the big breeders who try it never go back to anything else because there is nothing else they would use.

### "O. K." Litter

**ABSORBS ALL MOISTURE  
DRIES up the DROPPINGS  
PREVENTS all ODORS**

"O. K." Poultry Litter keeps your houses always dry, clean, sweet-smelling and sanitary. You need no dropping boards, and

**CLEAN HOUSE ONLY ONCE EVERY  
3 or 4 months.**

"O. K." Litter will not burn. Lice will not come where it is used. Tell us how much poultry you keep—we will tell you how much "O. K." Litter you need. Write to day for

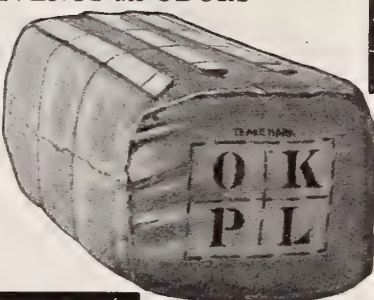
**FREE SAMPLE OF "O. K." AND  
NEW POULTRY BOOK**

You need them both now.

**O. K. COMPANY**

Dept. 183, 157 Water St. New York, N. Y.

Remember, no other litter is "OK"



## Let Chas. A. Cyphers Save You 50% On A Standard Buffalo Incubator

The Cyphers who is "The Recognized Authority on Artificial Hatching"—The Cyphers who made Commercial Hatching possible—The Cyphers who discovered the Cyphers principle—The Cyphers whose Incubators Circle the World—The Cyphers who will sell you his latest creation, the "Buffalo" at

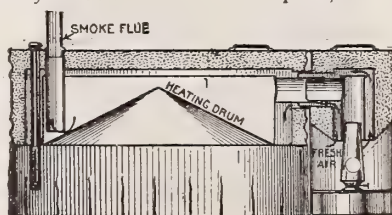
### Half the Standard Price

Every vital Principle that made my Original Cyphers a world success is embodied in the "Buffalo". The same three-compartment heater; the diffusive ventilation; and sensitive and accurate regulation; combined with heavy insulation and durable construction. For Durability, Reliability and Quality, the "Buffalo" is a wonder. "Buffalo" Incubators insure you big hatches of strong chicks that live and are easily raised to make money for you. 80 percent of the output of "Buffalo" Incubators are sold to poultry raisers who must make a success of their work to live. 80 percent go to men who know; who have used my incubators in the past; who

would use no others. You can't make a better selection.

**Buffalo Colony Brooders are  
famous chicken raisers.**

**The Buffalo Handy Hovers can-  
not be beat for indoor work.**



A Postal Will Bring You A Circular

**Chas. A. Cyphers,** Pres. Buffalo Incubator Co. **Buffalo, N. Y.**  
465 Dewitt Street

### Business Expanding.

The Wendell Incubator Co., Holly, Michigan, began in a small way to manufacture poultry supplies in 1896 under the name of the Automatic Hatching Co., but changed the name to Wendell Incubator Co. in 1908. During this time the superior quality, low prices and honest treatment have gradually increased the sales from a few hundred articles a year to thousands, and from starting with just two things this firm has worked its way up to its present capacity and they are now making 32 articles in all, including incubators, hovers and poultry supplies of all kinds. This firm sells direct to the consumer, thus saving the middle man's profit. They have only one price to everyone, therefore your neighbor cannot get goods any cheaper than you can. In the latest and by far the largest and finest catalogue yet issued, each and every article is described and the prices are in plain figures.

You will find listed in this catalogue practically everything a poultryman wants and you are dealing direct with the manufacturer. If you want any information you ask the man who made the article. The Wendell Incubator Co. orders in large quantities and pays cash and sells for cash, the purchaser getting the manufacturing price on all articles.

The Wendell Incubators are used in every state in the Union and are giving entire satisfaction. They are made in 200, 150, 100, 50 egg sizes and full description of this incubator is given in their catalogue. One of the latest incubators is the poor man's friend, an incubator gotten up for the man of limited means, but a machine that will hatch eggs and hatch every egg that has a germ strong enough to come out of the shell. The poor man's friend will do all of this and is no cheaply constructed machine either. It is built as, some call, a triple walled machine; first there is a wooden case, this covered with real asbestos and then covered with No. 30 galvanized iron. This machine has the same lamp, thermometer, regulator and hot water heating system as the standard makes. If anything goes wrong with the heating system within five years it will be replaced or repaired free of charge. The catalogue gives a list of testimonials of users of the Wendell. If goods at factory prices interest you, send for catalogue.—H. H. Coburn.

### "Stay White" White Plymouth Rocks.

While the writer of these lines was a mere novice in the poultry business we remember reading of H. W. Halbach, Waterford, Wis., and his "stay white strain" of White Plymouth Rocks, since that time we have had a lingering desire to at some time visit the farm where this wonderful prize winning strain of Rocks are produced. On Tuesday, November 4, our ambition was realized and we arrived at the home of the "stay white Rocks" unexpectedly, and was given a royal welcome. As time was limited we at once proceeded on our voyage of exploration under the guidance of William H., the junior member of the firm and the poultryman in chief. We do not feel equal to the task of properly describing to the readers of A. P. J. the many splendid qualities of this grand strain of Rocks, suffice it to say that we have never seen in any flock, large or small, such uniformity of type and color and such outstanding quality. There were hundreds of cockerels and pullets that any breeder in the land would be proud to call his own, and cock birds, challengers of the world. They stand undefeated in such shows as Chicago, Detroit, Illinois State Show, and many others. These things we noted especially in this grand flock of birds, uniformity of type, large size, though not to the extent of coarseness, snow white plumage, orange yellow legs, and the reddest of red eyes. What more is needed to make the record complete?

Birds worthy of special mention are the cock, winner of 1st and grand champion at Detroit, 1911; 1st cockerel at Chicago, 1912, this cock has wonderful length and depth, with great breadth of back. In fact, he is a revelation in "Rock type." Mr. Halbach considers him the best he ever produced. The pride of the farm is the grand champion cockerel of the Illinois State show, 1913, now a yearling cock. This cock is marvelous in type in all sections, with snow white plumage and fiery red eye. He has proven himself a wonderful breeder, as his type is stamped on all his progeny. If we should close the page on cock birds without mentioning the first pen cockerel at the Illinois State show, 1913, we should feel our duty only half completed. This cock, while not finished at this time, is so nearly perfection itself that he needs no further comment, every curve and line of his entire make-up seems to have been



chiseled by a master hand. Taking the three cocks collectively, if they have any superiors, we would go many miles to see them. Time and space will not permit us to mention all the excellent cockerels and pullets seen and handled while there, however we can not refrain from mentioning some of them. One cockerel, in particular, sired by the grand champion of Detroit, 1911, is all that could be desired in a cockerel; fine in type, great in size, graceful in every curve of his body; he is far ahead of the champion of the Illinois State show, 1913. Another grand specimen and fit companion for the other is a cockerel from pen eleven, sired by the Illinois State show champion. This cockerel might easily be placed in the same class with the former. Two others that show great promise were also from pen eleven; these birds, though not yet finished, have a great future before them and will be heard from later in some of the leading shows. The best pullet, we think, seen to date was one from pen eleven, also sired by the Illinois State show champion; this pullet is perfection itself, beautiful in type and finish with graceful lines in every section, and white as the Wisconsin snow. Another fit companion for her was a pullet from pen eight, sired by the first pen cockerel at the Illinois State show, 1913. She is a worthy daughter of a noble sire.

The winnings of this famous strain of White Rocks are familiar to all and yet we can not but think their career has just begun.

Mr. Halbach has just added to his equipments a new conditioning house with wash-room on the ground floor and conditioning room fitted with empire coops, on the second floor. The entire building is steam heated and is strictly modern in every respect. The stock on the farm, 2,000 in number, is in fine, healthy, growing condition. We take special pride in recommending H. W. Halbach, whose character is beyond reproach, and his "Stay White Strain" of White Rocks to the readers of American Poultry Journal.—J. C. Johnston.

#### Big Pipe Covering Contract.

Among the many large contracts placed for building material in connection with the new German Hospital, Cincinnati, O., was one for 50,000 feet of J-M Pipe Covering for the heating system of that huge structure. This contract was awarded to the Cincinnati branch of the H. W. Johns-Manville Co. The many types of pipe covering manufactured by this firm are fully described in their new booklet, a copy of which may be obtained by writing their Cleveland branch.

#### Endorse Prairie State Machines.

The new 1914 edition of the Prairie State Incubator Catalogue contains a number of strong letters of endorsement from men who are recognized as authorities in matters of incubation and poultry keeping. We find, among others, letters from Prof. F. H. Stoneburn, poultry husbandman at Storrs' Agricultural Experiment station, Storrs, Conn.; Prof. Philips of Kansas Agricultural College, Prof. Schoppe of Montana Agricultural College, Mr. O. C. Frantz of the Rocky Ford Poultry Farm, Rocky Ford, Colo.; Mr. Edgar Briggs, Pleasant Valley, N. Y.; Mr. A. A. Brigham, of South Dakota School of Agriculture; Mr. U. R. Fishel, Hope, Ind.; Prof. J. S. Jeffery of North Carolina College of Agriculture; Mr. M. F. Delano, Mgr. of The Owen Farms, Vineyard Haven, Mass., and many others.

From the widely scattered sections represented in the above list it would seem that Prairie State machines are adopted to all climates and atmospheric conditions and indeed they are. No other machine stands higher in the esteem of the American public and in Canada, where extreme climatic conditions put a machine to the severest test, Prairie States are particularly favored. The Prairie State Incubator Co. operates one of the largest manufacturing plants of its kind in the world and their new steel and concrete building is provided with every equipment looking to the economical production of machines of the highest type.

One of the exclusive features of Prairie State machines which has brought them into such general favor during the past few years is the sand tray. A hen that stole her nest really suggested to the mind of the inventor this improvement in methods of incubation. By means of a tray of moistened sand placed in the incubator the atmosphere is kept at the proper humidity and the result is a marked improvement in the vigor and health of the baby chicks. In fact, this improvement has won for Prairie State machines the reputation of hatching the most "chicks that live" and probably accounts in a large measure for

## WILBURTHA S. C. WHITE AND BUFF LEGHORNS, S. C. REDS, COL. WYANDOTTES

Stock for sale. Eggs for hatching. Baby chicks. The Wilburtha Strain of Leghorns was well placed in all classes at the great Allentown Show. Our first prize S. C. White Leghorn cock was pronounced a "masterpiece." We aim to breed our varieties all up to the highest state of perfection and practical worth and assure the trade of absolute satisfaction. Write us your wants. Mention A. P. J.

WILBURTHA FARMS, C. J. Fiske, Owner, Wm. D. Campbell, Supt., Box A, Trenton Junction, New Jersey

## LLENROC REDS

Formerly Alt's Reds—Make great winnings at New York State Fair, September, 1913, and at Toronto National Exhibition, 1913. At New York State Fair they won under Judge Card 1st and 3d cockerel, 1st pullet, 1st young pen, 4th cock, 5th hen, \$25 in gold for best display. At Toronto they won under Judge Drevenstedt 1st and 2d cock, 1st hen, 2d and 3d cockerel, 2d pullet. At these two great shows the judges and breeders agreed that never before had there been so large a class of Reds and competition so keen. We furnish cockerels and pullets for any show. Address

Henry W. Alt, 87 Fuller Street, Buffalo, New York -- John E. Houck, Black Creek, Canada

## Buff Orpingtons

At Beardstown, Illinois, only show made in 1912, my Orpingtons won in strong competition, 2nd cockerel, 1st, 2nd, 3rd hen, 1st, 2nd pullet, 1st pen. Exhibition and breeding stock for sale. Satisfaction guaranteed.

Victor Adelmann, R. F. D. 1, Beardstown, Ill.

## ORPINGTONS OF THE SUPERB KIND

White, Buff, and Black. Imported and choicest of domestic stock, show birds, excellent breeding trios and pens, and young birds for sale at small prices. Catalogue Free. Correspondence solicited. Mention American Poultry Journal when writing. Lynbrook, L. I. N. Y.



J. W. Parks' Strain

## BRED-TO-LAY BARRED PLYMOUTH ROCKS

I Have Produced Some of the WORLD'S GREATEST LAYERS Choice breeders, \$2.00 and \$3.00 each; Pedigreed cock'ls, \$5.00 each, 1,000 breeders to select from. Descriptive circular free.

O. F. Mittendorf : : Lincoln, Illinois

## Rose Comb Reds

The finest lot of REDS ever offered for sale. All have that dark rich, brilliant color. A fine exhibition male from \$10.00 to \$25.00, a beautiful dark red female \$5.00 to \$20.00, all sired by our Pittsburgh, Chicago and Boston winners. If you are looking for a show bird and want one that will win don't be afraid to write us. A few breeding females at \$2.50 each. Everything sold on approval.



Simmons & Crittenden

Geneva, Ohio

## SPRING WATER FARM SINGLE COMB WHITE LEGHORNS

All of our this season's breeders, including our prize matings, must be sold to make room for our oncoming young stock. These will be disposed of during July and August at tempting prices. Write us before placing your order and request one of our free booklets, describing our stock and plant. Mention American Poultry Journal when writing.

Spring Water Poultry Farm, R. F. D. 1, Stockton, New Jersey



## Andrews' White Wyandottes

Win at Boston, First Pen Six times in past 7 years.

1st Cockerel 1910, 1911, 1912  
2nd Cockerel 1910, 1911, 1912, 1913

Let me quote you prices on a winning show bird or fine breeder. Send stamp for catalog.

J. W. Andrews, Box A, Dighton, Mass.



its general endorsement by eminent authorities.

The Prairie State Incubator Co. have just finished printing their 112 page 1914 catalog, and offer to send it free and postpaid to any reader of this paper who will write for it. Among other things this valuable book contains about 60 pages of general information for poultry keepers, such as Which Breed is Best? How to Preserve Eggs; How to Feed, Rear and Breed; How to Treat Diseases; How to Grow Green Feed for Winter, etc., etc.

We suggest that any reader considering this purchase of incubators, brooders, hovers, colony houses, etc., should write at once for a copy of this free book. Address: Prairie State Incubator Co., 468 Main St., Homer City, Penna.

### Barred Plymouth Rocks.

On our return from Hagerstown we spent part of a day visiting the new poultry plant of Mr. C. N. Myers, Hanover, Pa. When

Hanover, 1912, 1st and 2nd pen. Hagerstown, 1912, 1st and 4th pullet-bred cockerel, 2nd hen, 3rd and 4th pullet and 3rd pen.

Philadelphia, 1912, 1st, 2nd and 8th hen, 1st, 3rd and 4th pullet-bred cockerel, 3rd, 5th, 6th and 8th pullets, special for best hen in entire show, cup for best display of Barred Rocks, cup for second best display in show, and specials for best shaped and colored females.

Madison Square Garden, New York, 1912-1913, 1st hen, 2nd pullet and special for best shaped female.

Hagerstown, 1913, 1st, 3rd and 5th hens, 2nd and 4th pullets, 3rd cockerel, 3rd and 4th pullet-bred cockerels, 3rd pen and shape special female.

This is a grand, clean-cut record that speaks for itself and plainly tells the rare quality of this line, and particularly of their worth as a breeding line. His winning hen at the late New York show was a sensational class bird, and as we saw her here in her new home all ragged in moult she still

found them of superior color and barring, very even and strong fellows.

At this time Mr. Myers is offering cockerels at special prices and he guarantees to absolutely please every customer or to refund his money. To this we can but add that if the buyers want the quality to breed and to reproduce, they will find it in this line. We heartily recommend both breeder and birds.

We greatly enjoyed our visit to this plant, particularly so for Mr. Myers is an ideal fancier and breeder. He knows every bird on the place, its record and breeding. The breeding question has been a deep study with him and his success is self-attained and his full due.

Mr. Myers now has a new catalogue now in press and this will be mailed free for the asking. This next spring he will also sell eggs for hatching, having refused to sell them in the past, so no doubt many of our readers will also be interested in his mating list.—H. P. Schwab.

### Poultry Show Visitors.

Poultry show visitors seeking real pleasure and amusement while in Chicago can find it at the Columbia Theater, Clark and Madison streets, the home of refined, up-to-date, snappy burlesque. This is Chicago's real novelty, comedy and musical house. Big shows and good music. Forget your troubles and spend a few enjoyable hours at this first-class show house. A sure cure for the blues. Two performances daily. Prices reasonable. See advertisement elsewhere in this issue.

### Avoid the Dangers of Stall Feeding.

This is the timely warning we have noticed in all the agricultural papers of late—a warning issued by Dr. Gilbert Hess, one of the foremost veterinarians in the United States.

Dr. Hess backs up his warning with sound facts. He states that an animal taken off pasture and put on dry feed is very liable to get out of fix because corn, oats and hay do not contain the laxatives and tonics so abundantly supplied in grass.

The doctor describes some of the many ailments that farm stock often suffer from during the winter months while on dry feed and closely confined. Some of your animals, he says, are sure to become constipated, others off feed, rough in the hair, with paleness of the eyes, lips and nostrils, or the legs may stock, or dropsical swellings of the abdomen appear, or the urine may become yellow or thick, but the most common ailment of all, especially among hogs, is worms—worms. Our readers know full well that these ailments are often prevalent.

Dr. Hess advises the use of Dr. Hess Stock Tonic while stock are on dry feed. He states positively that his scientific preparation (which by the way has been on the market 21 years) will make stock healthy, expel worms and keep your animals fit and well. He gives a remarkable guarantee to the effect that his dealer in your town will supply you with enough Dr.



View on Ernst Birkholz S. C. Red Farm, Willoughby, Ohio

fully completed this will be one of the largest specialty plants; the farm comprises 150 acres in a beautiful section, most of it set to fruit and shade trees. The buildings are all new, built on modern plans and insure comfort for the fowls.

Mr. Myers breeds the pullet line of Barred Plymouth Rocks exclusively and has within the past few years made several records of note. Step by step he has climbed the ladder of fame and has achieved the distinction of winning highest honors at the M. S. Garden, New York, show.

We here give a few of his most prominent winnings as we have them: At Philadelphia, December, 1910, 1st, 2nd and 6th pullets, specials for best colored female and silver cup for best three birds in any one of the five classes.

Hanover, 1911, 1st hen, 1st and 4th pullet, 1st and 3rd pen.

Philadelphia, December, 1911, 2nd and 5th hen, 4th pullet, 2nd pullet-bred cockerel.

had that bearing of quality that only great birds can attain.

In going over the youngsters here we were struck by their uniform and even quality. The birds were all housed for our inspection and in going from pen to pen it was the one same story of merit in all alike. This line of females has several particular qualities to recommend it and size is not the least of these. The birds are of good bone, fine long backs and carried well up, showing strength and vigor; this with color of the proper and popular shade and straight across, narrow barring makes this line what it is—one of the very best we know of.

In pullet-bred cockerels Mr. Myers has upwards of 300 and a grand collection they are; bred from his best females and matings they carry with them a breeding worth that must not be underestimated. They have the line breeding back of them, the quality that has won for years and is bound to win in the future. We handled many of these and



FIRST PRIZE S. C. BLACK ORPINGTON HEN  
MADISON SQUARE GARDEN SHOW DEC. 1911.  
HUGH A. ROSE WELLAND ONT.

## Rose's Orpingtons

**BUFF Canadian Bred BLACK**

### The Leading Winning Strain

Will be exhibited only at two shows this winter once in the west and once in the east viz:—The Great Chicago Coliseum Show, Dec. 12-17, 1913, and at Madison Square Garden, New York, Dec. 26-31, 1913. We invite all lovers of Buffs and Blacks to inspect these wonderful Displays. Mr. Conway, will be in charge of our exhibit at these two shows, who will be pleased to meet you and conduct you over these classes. We have hundreds of Orpingtons to select from and can supply birds capable of winning any show. Our consistent winnings for years at Madison Square Garden, Boston, Baltimore, Toronto, New York State Fair, Allentown, and Hagerstown have stamped our Orpingtons as **Champions of America**. Mention Am. Poultry Journal.

**HUGH A. ROSE**

**Frank F. Conway, Mgr. Fonthill, Ontario, Can.**

19 miles from Buffalo, N. Y. Stock shipped on approval. Duty paid to U. S.



Hess Stock Tonic for all your stock, and if it does not do as he claims, he has authorized his dealer to return your money. No man, in our judgment, could offer more.

Dr. Hess is a fully qualified veterinary scientist as well as a doctor of human medicine and it is perfectly natural to assume that he knows the needs of farm stock and is fully capable of compounding tonics and correctives to meet those needs. In view of his liberal money-back guarantee, we urge our readers to put Dr. Hess Stock Tonic to the test.

### Thoroughbred Fowls Free.

Elsewhere in this issue you will find an offer made by the Poultry Post, Goshen, Ind., of giving thoroughbred fowls in any number securing subscriptions for their publication. They have one of the best 25 cent poultry journals published and securing subscriptions for them is easy work. Write them today for sample copy and full particulars. Address them Poultry Post, Dept. 30, Goshen, Ind.

### A Successful Plant.

The Co-operative Breeding and Hatching Company, Tiro, Ohio, has grown up with its business and is a plant where brains is the motive power. It is generally known now that hatching chicks on a large scale dates back to 1,500 years before Christ, but the methods are somewhat improved in our country, but the Egyptians are still heating under ground rooms with no ventilation. Hatching chicks on a large scale is not only a fine art in itself but can only be successfully accomplished by operators with a natural talent for the work and this talent must be cultivated and perfected by long experience.

Having personally met the members of the Co-Operative Breeding and Hatching Company, the owners and employees of the company, we can truthfully say that they are men of the caliber described above. The machines and eggs are handled by men with a thorough knowledge and love for the art and understand about humidity, temperature, carbon dioxide and ventilation. One of the secrets of this firm's phenomenal success lies in the fact of its designing and building their own buildings and equipments. Efficiency is the watch-word from the office to the shipping room; system is the predominating feature in each and every department—not a nail is driven without a definite purpose. As before stated this firm grew up with its business, starting with a few thousand eggs and increasing each season until now they incubate over a half million eggs a year. There are 66,000 eggs constantly under incubation in season. Ten thousand chicks boxed and shipped at one time is certainly an unusual sight, and yet this is often done during the busy season. The magnitude of this plant

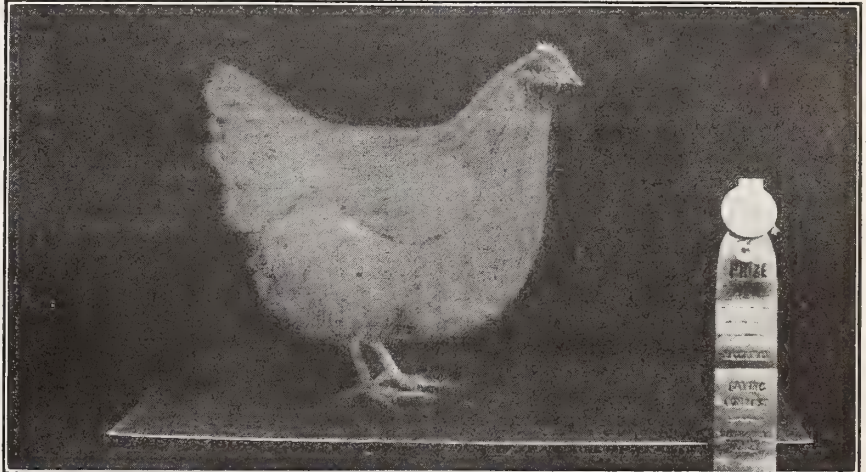
can be better understood if we can conceive a row of incubators 800 feet in length, each machine holding 240 eggs, or more strictly speaking the machines are connected on the mammoth plan and divided into compartments, each with a capacity of 240 eggs; heated with hot water pipes; 6,435 feet of pipe is required to do the heating. Natural gas is employed to heat the boilers. An automatic regulator keeps the temperature at a normal degree all the time without a variation. The hatching rooms are all above ground with no open doors or windows to cause drafts, but are ventilated perfectly by their system of ventilation which consists of numerous flues built in the walls, which are built of hollow brick, thus preventing sudden changes of

its experimental stage and all classes are buying in preference to hatching them, and they buy because it means a saving of time, labor and money.

This is the only large hatchery that exhibits any birds, and birds from this plant win annually at Chicago, Cleveland, Mansfield and many other shows. Write for their illustrated catalog, and know when and how many and where to buy your Baby Chicks.—H. H. Coburn.

### S. C. White Leghorns.

Eugene C. Smith, of Aurora, Ill., is, in our opinion, one of the most enthusiastic breeders of Single Comb White Leghorns



LADY SEWARD.

First prize Single Comb Buff Orpington hen at the National Egg Laying Contest, Mountain Grove, Mo. Record 223 eggs in one year. Owned by Richard M. Seward, Cuba, Ill.

temperature within. When the chick first puts its beak through the shell it begins to breathe pure, sweet, wholesome air and not a large per cent of carbon dioxide gas. This is the secret of better hatched chicks; chicks that live and thrive until many grace the show room. It takes 6,000 hens to supply the eggs for the machines. Considerable time and money was expended to establish pure bred stock which was put out among farmers and are on grass range so the eggs are properly fertilized. Vitality of breeders means strong, vigorous chicks.

The buying of day-old chicks has passed

in the United States. We recently had the pleasure of visiting this plant, which is strictly modern in all the word implies. Some new improvements just completed are a new cockerel house of three compartments. This house is built on the open-front plan, with runways leading to yards on both sides, with a wire partition running the entire length of the house. At breeding time, by simply closing a door in the partition in each compartment, he has a house for breeding pens on the one side, and a brooder house on the other. A new conditioning house just finished and fitted with empire coops adds much to the appear-



Beau Brummel—The Greatest Leghorn Sire of The Middle-West

This Is  
BEAU  
BRUMMEL

FIRST PEN  
NEW YORK  
191

## OUR BIRDS WON

NEW YORK 1911

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## 50 Cockerels for Sale

That we guarantee were sired by Beau Brummel. They are the true Leghorn type and bred to win and to breed.

## Orders for Hatching Eggs

Now being booked. Our pens will be mated December 15th.

Our Prices Are Surprisingly Low  
Write Us Today Just What You Want

## The Willows Farm

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South Bend, Indiana

Reference—The American Trust Co., South Bend, Indiana



# 7 Cent Eggs

WINTER EGGS and cleanliness are very closely related, in fact more so than most Producers imagine.

A great many Poultry and Egg Producers spend hundreds of dollars on so-called egg-producing foods; and, at the same time, shamefully neglect the interiors of their Poultry Buildings. This is neglect on the part of some and thoughtlessness on the part of others.

IN ORDER TO GET the most work out of Employees, Employers find it necessary to make the working conditions as attractive as possible. Buildings must be kept clean and sanitary. Walls and ceilings must be white coated so as to improve the light, and artificial lights must be placed in advantageous positions so as to throw the most light on the work-bench.

MANY CONCERNS have spent thousands of dollars to improve the light and sanitary conditions of their work shops.

ECONOMY EXPERTS consider this money wisely spent and true economy. When the interiors are lighted, it makes a longer day for the Employees' usefulness, it makes a more cheerful day and it makes conditions more advantageous to the productive abilities of the Workman.

IN ORDER TO GET THE MOST OUT OF A MAN, IT IS NECESSARY TO MAKE HIS SURROUNDINGS AS PLEASANT AS POSSIBLE.

THIS SAME THING APPLIES TO POULTRY and is more especially true in the Winter Months when the days are short and the nights are long. The interiors of Poultry Buildings should be sanitary. They should be white. They should smell sweet. They should be free from vermin.

WHITEWASH WILL NOT DO THE WORK, neither will Oil Paint. White-wash peels and will not kill vermin, while Oil Paint has no good essential except durability.

PEERLESS POULTRY PROTECTOR, the snow-white disinfectant coating, does kill vermin. It does produce a sanitary interior and a weather-proof coated exterior. It is a permanent coating and the cost is so small that the smallest Producer can well afford to use it.

THIS SNOW-WHITE DISINFECTANT is put up in dry powder form; and, when mixed with water, makes a liquid coating which can be applied to all kinds of surfaces with brush or spraying machine. It is especially manufactured for use in Poultry Buildings.

IT TAKES ABOUT 5 POUNDS OF THIS MATERIAL to make a gallon of liquid and, a pound properly mixed, will cover from 20 square feet on real rough surfaces to 35 square feet on smooth surfaces two coats.

THE SMALLEST PACKAGE is the 25-pound box which sells for \$3.00 but it is also put up in 100-pound Kegs, 200 and 350-pound Barrels. The price in the larger sized packages figure much lower in proportion.

FIGURE THE COST FOR YOURSELF and then you will recall that there is nothing on the market today for double the cost that will do the work which can be accomplished by using the snow-white disinfectant coating.

REMEMBER THAT YOU GET A SNOW-WHITE INTERIOR for only a fraction of a cent per square foot and you can use the same material for outside work provided you use two coats. It makes a weatherproof job which will last two years on the average surface.

WE GUARANTEE SATISFACTION IF PEERLESS POULTRY PROTECTOR IS USED ACCORDING TO OUR PRINTED DIRECTIONS.

THIS IS OUR BUSY SEASON; AND, IN ORDER TO INSURE PROMPT SHIPMENT, YOU SHOULD SEND MONEY ORDER AND SHIPPING INSTRUCTIONS AT ONCE.

**Peerless Poultry Promoter**  
Port Richmond, New York

ance as well as convenience of the place.

Mr. Smith has been breeding Single Comb White Leghorns for a number of years, his foundation stock being selected from the blood of the foremost breeders of that time. By careful selection and scientific mating blood lines have been established that produce a very large percentage of birds of exceptionally high quality, showing excellent head points, and the graceful curves so attractive in Leghorns; with low, well spread tails and snowy white plumage. While in Mr. Smith's yards we handled many specimens that show rare quality, birds fit to win in any competition. One cockerel we remember very distinctly as being the best seen for many moons, this cockerel has extra good five-point comb, bright red eyes, splendid breast, fine, graceful body, beautiful sweep from center of back to tail, and a tail better than standard. The demand for the product of this plant is greater than the supply, receipts for the past year having been fifty per cent greater than any previous year. If you are looking for Single Comb White Leghorns, with quality and blood lines second to none, we take pleasure in recommending to you Eugene C. Smith, 317 Galena Blvd., Aurora, Ill., and his famous prize winning strain.—J. C. Johnston.

R. J. Walden, Middleburg, Md.

There is always something to see at Mr. Walden's place worth writing about and of special interest, for he has bred his pullet line of Barred Rocks up to the highest standard for exhibition and has also retained in them the best of laying qualities, as the records his birds have made for two years at the Storrs laying contest show. In this contest his two pens have been up with the leaders at all times and for several months beat all and won many monthly silver medals for their record. We regret that we haven't his complete records to publish at this time, but they can be had by writing Mr. Walden.

We are a little better acquainted with his exhibition record made at New York, Baltimore, Hagerstown, Williamsport, Pittsburg, etc. These shows for years have featured Barred Rock classes and at each large classes and large breeders have shown for years, making competition of the best and honors won of exceptional value.

At the late Hagerstown show Mr. Walden won 1st and 5th pullet, 4th hen, 2nd young pen, 1st cockerel-bred pullet; special for best female and color, special female. The class of pullets was the largest and best we have ever seen at a fall show, and it took championship quality to win. She was in perfect condition and with all desired quality of a rare and great specimen.

Mr. Walden has a large flock of youngsters this season and a particularly fine lot of pullet-bred cockerels bred from his best to supply to those who may want them. These birds are bred right and have exceptional breeding quality. Write him your wants and always mention the A. P. J.—H. P. Schwab.

Sheffield Farm, Glendale, Ohio.

Progress is the watchword with the Sheffield Farm, breeders of Premier Partridge Wyandottes. Annually Sheffield Farm demonstrates the superiority of the Premier Partridge Wyandottes at our greatest and best fairs and poultry shows. Never satisfied to rest with past laurels, like the traditional war horse who becomes impatient at the smell of powder and smoke, we find the Premiers with their war paint on and ready for the conflict—taking the measure of other strains at our earliest fairs and shows of any marked degree of importance. The records of the Premier stand without parallel and unapproached by any other strain. Much credit for this is due the manager, Mr. Hark, conceded by all the acknowledged authority on mating, rearing and exhibiting Partridge Wyandottes. When we had the pleasure of visiting Sheffield Farm in October we found the quality better than ever before; the color dazzlingly beautiful, penciling the finest we ever saw on any penciled breed; wings strong, tails well spread and type par excellence. The cockerels double discount any we ever saw before, the hackles laced so perfectly, and shapes so sound we pronounced them miraculous; sickles sound green black and wings unequalled. Breasts glossy green black with not a suggestion of ticking; head points as a whole a decided improvement. Fancy points are not the only attribute to the Premiers—they are very toothsome, like all Wyandottes, and the pullets begin laying at a phenomenally early age and keep it up through the severest weather. Mr. Hark keeps a large number already conditioned for the show room, and can always furnish winners. The scheme of giving prizes to their egg customers who win with their birds has

proved very satisfactory. If we attempted to go into detail about the Premier winnings it would take too much space—their beautiful catalog gives it and the October and November issues of American Poultry Journal give the recent winnings. This firm also specializes in Jersey cattle and Berkshire hogs. Write for catalog and keep in touch with the ads in American Poultry Journal.  
H. H. Coburn.

## BANTA

Incubators never disappoint

Write for Catalogue of high-class Incubators and name of dealer where you can inspect them. 50-egg up to 800-egg. Also Brooders and Poultry Houses.  
THE BANTA & BENDER CO.  
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Double your egg profits with an Economy Oat Sprouter, supplies sweet, juicy sprouts, enough for 100 fowls daily. Requires no lamp, trouble or muss. Lasts a lifetime.

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**I AM READY**

to help you win. Superb cockerels and pullets at honest prices. I condition them. Booklet free, giving Madison Square winnings.

H. N. Hanchett  
Jackson, Mich.

Blue Orpingtons



## The Ideal FEEDER AND EXERCISER

Will feed any kind of poultry feed. Adjustable to feed any amount desired. Will pay for itself in six months! Increase your egg yield 25 to 40 per cent.

8-Quart Feeder.... \$1.75  
12-Quart Feeder.... 2.50  
20-Quart Feeder.... 3.00

Rain, sparrow and rat-proof. Feeders with legs, 50c extra. Our 15-quart dry mash feeder, \$1.25. Fowls can't waste the feed. Can be hung up same as the others.

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**The Miller Anchor Co.**  
P.O. Box 293, Norwalk, O.  
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## Bargains in Old Stock

for exhibition or breeders in both Buff and Blue Orpingtons and early hatched cockerels in both colors. **Henrietta E. Hooker, : So. Hadley, Mass.**

## 50c THE SIMPLE TRAP NEST 50c

Separates the drones from the layers. Made in a few minutes from a common box or egg case, by attaching the simple device I send you. A cheap, practical trap nest that cannot get out of order. Send 50c for complete printed and illustrated instructions and device for making your own trap nests. Nothing else to buy. **Geo. A. Blood, Bellwood, Ill.**

## Try It on Something Hard to Clean Old Dutch Cleanser

## Skinner's Standard White Wyandottes

have been winners at Indianapolis, Ind., and the leading mid-west shows for the last ten years, and they will be winners for YOU.

**F. E. Skinner : Sandwich, Ill.**

## Be Wise

By Buying  
**Warren's Autocrats**  
**S. C. REDS**  
THEY FILL THE BILL  
With Type, Color and Weight

Exhibition Birds For Sale Now at  
**LET LIVE PRICES**

WINNERS IN 1913  
At Cleveland, Indianapolis, Detroit and  
Saskatchewan, Canada.

**Bell-Vista Farm**  
Mentor, Ohio

## DUSTON

## The Breeder who Made the White Wyandottes

25 years successful breeding, showing and selling winners. Elegant catalog telling the story sent for 15c. You'll make a mistake if you don't write me for quotations.

**Arthur G. Duston**  
Box 1020 So. Framingham, Mass.

**Mr. S. M. Goucher.**

Early in August we spent part of a day visiting Mr. and Mrs. S. M. Goucher, Moorestown, N. J., and seeing their fine plant and very fine and large flock of our old favorite Barred Plymouth Rocks. Year by year this plant has been enlarged and during this time their line of birds also enlarged and improved until today they have a general quality of rare merit and worth firmly established that bids well for the future.

Many years ago we first saw this line at the Philadelphia show, where it won several awards and from that day on have known it as a line of quality whose record has ever been one of value wherever seen. Yearly it has won at Philadelphia, Camden, Williamsport and other prominent shows and the complete story of their winnings would fill pages.

At the late Atlantic City show they exhibited two pens of rare quality, selling one of them at a record price. These pens were a feature of the display there.

They have also entered pens of their birds at the Storrs laying contest and a hen of theirs made the best individual record made by any female there during the past two years. If memory serves us right her official record was 210 eggs in 245 days. This means value and proves that the only chicken worth keeping is the best standard bred kind.

Here was seen a large flock of youngsters of a quality fit to win, a very promising lot that sure will have to be considered later. They breed both matings and have quality birds of each to sell.—H. P. Schwab.

## Loyd's Partridge Rocks.

The firm heretofore known as Loyd & Son, Partridge Rock specialists, Greensburg, Ind., is now under the management of Frank L. Loyd. C. J. Loyd having turned the business over to him; the strain, however, remains the same, improving from year to year. Mr. Loyd has about 500 yearling birds, after culling closely and severely, and these are without question the finest ever raised. Both cockerels and pullets showing marked improvement in shape and color. The cockerels are rich in color, with finely laced shackles, sound green black breasts and sickles, head points good, large bone and healthy, husky fellows. The pullets are the finest in penciling we have seen anywhere. Mr. Loyd has plenty of room to grow them on range right in Greensburg, but he raises most of them on the farm. It makes it more convenient to keep breeding pens on the home plant; he also conditions them there for the show room. This strain of Partridge Rocks have been steady winners at the large shows, including Chicago, Cleveland, Cincinnati, Indiana, etc. At the Tennessee State Fair, Nashville, Tenn., in competition with five other exhibitors, they won 1st cockerel, 1-2 hen, 1-2 pullet, 1-2 pen; seventeen birds entered and every bird winning a ribbon. Write for prices and be assured you will get the quality and the right treatment. Address Frank Lloyd, Greensburg, Indiana.

H. H. Coburn.

## The Joe-Pye Buff Orpingtons.

Should we live on forever we would always remember with particular pride and interest the wonderful Buff Orpington cock who as a cockerel won fourth prize at America's greatest show, M. S. Garden, New York, and then came back two years in succession and won first cock and several shape and color specials. But his winning records were not confined to New York alone to show him was to win and at Boston and elsewhere he repeated and won all he could compete for.

This is not the only great bird owned by these farms; they have produced others of nearly equal merit and have been winning for some years. At the last Palace New York show they made a new record, and they are not finished yet. We have often seen this line and find their feature to be a combination of exquisite form combined with sound color to a high degree.

The past season has no doubt been their best of all years, for they have a very large flock of handsome youngsters coming fast and ready for the early and late shows alike. At this time (November 5th) they have cockerels and pullets weighing about Standard weight, of big bone, well set legs, nice heads and extra choice color. Head points, that is, combs, eyes, etc., are of rare quality, and when Mr. Hobbs, the manager, told us that they were by far the best lot of birds ever bred on this farm, we were willing to agree with him, for they certainly do show quality in every department.

A great many of these youngsters line directly back to the above mentioned "cham-



**56 BREEDS** Chickens, Ducks, Geese and Turkeys. Hardy, northern raised, pure bred, of finest plumage. America's greatest poultry farm. Send 4c for large, fine 19th Annual Catalog and Poultry Book. **R. F. NEUBERT CO., BOX 341, MANKATO, MINN.**



## Quality Bred-To-Lay S. C. WHITE LEGHORNS

exclusively. 200 choice breeding cockerels at bargain prices. Write your wants. Catalog free **The Elliott Poultry Farm R. F. D. No. 7, Mansfield, O.**

## Order Now Barred and White Rocks

Hardy, vigorous, pure bred—the strain noted for heavy laying. Shipped anywhere, safe delivery guaranteed. Reserve order now for later. Prices low, write—new free book. **Pittsfield Poultry Farm Co., 102 Main Street, Pittsfield, Me.**

**PITTSFIELD**  
Day-Old Chicks

## The Paradise Way

of chicken hatching insures greatest success in producing a strong, livable chick from every hatchable egg.

## Guaranteed to Satisfy

or your money promptly refunded. Positively the greatest method of hatching ever invented. Endorsed by experts; customers throughout the world. Send at once for big free circular. Do it now! Address

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## A SHIPPING COOP FOR FANCY FOWL

weighing considerably less than a wooden coop, yet sufficiently strong and durable to carry the heaviest fowls in safety.

## The Eyrie Shipping Coop

reduces express charges to absolute minimum.

Made in three parts, body of corrugated paper, top and bottom of wood. Protection is assured from weather conditions, rough handling and damage to plumage.

## Stock Sizes are—

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12	x	16 x 18
12	x	19 x 22
12	x	22 x 22
20	x	22 x 22
20	x	24 x 22

Sample sent prepaid express on receipt of 25 cents.

Makers of Eyrie Egg Box, Anderson Folding Egg Box, Sefton Live Chick Box.

Write for our Poultry Box Booklet and price list.

**THE SEFTON MFG. CO.**  
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## S. C. White Leghorn Cockerels

Exhibition quality \$2 and \$3. Laying Bred.

JOSEPH STENZ & SON

FOND DU LAC, WISCONSIN

## BARRED PLYMOUTH ROCKS

CHAMPIONS OF THE WEST

At the Illinois State Fair, October, 1913, I won more first and second premiums on single entries than all competitors combined, winning 1st, 3rd, 4th and 5th cockerel, 1st and 4th pullet, 2nd cock and 2nd and 3rd hen. Exhibition and utility stock for sale at right prices.

J. J. KLEIN, MACON, ILLINOIS

## Walker's Barred Rocks

Prove their superiority by winning at the Illinois State Fair, October, 1913, 1st cock, 1st and 2nd pens, 2nd cockerel, 2nd and 3rd pullets. Only showed 16 birds and 14 were in the winning class. At Chicago, December, 1912, won 2nd exhibition pen, 4th exhibition pullet, 2nd and 5th pullet bred cockerels. At Illinois State Shows my birds have all won their share of the ribbons and the State barred rock cup for 1912 and 1913.

I can sell you winners for any show and breeding birds second to none. Tell me what you want and I will quote you prices. 300 birds to select from, the best I ever raised. Reasonable prices and satisfaction guaranteed.

G. A. WALKER

POLO, ILLINOIS

## Mary Elizabeth Poultry Farm White Orpingtons Exclusively

Bred right and priced right. We won 1st pullet and 2nd pen at the Great Illinois State Fair, 1913. We can supply show birds or breeders at prices that are right. Please mention the American Poultry Journal.

G. H. WOOLINGTON, Prop. R. R. No. 5, MONTICELLO, ILL.

## The Rockandotte Farm

were very successful in moving their stock of White Rocks and White Wyandottes to their new location and are now in a position to furnish choice Show, or breeding birds in both breeds. Our records at the very leading shows are proof that

### OUR QUALITY IS THE BEST

We won the **10 firsts** on the two breeds at BALTIMORE, and **four of the five firsts** on our **WHITE ROCKS** at the last BOSTON SHOW. Write us for prices. We know that we can please you.

Telephone connections.

ROCKANDOTTE FARM, R 3, JANESVILLE, WIS.

FORMERLY OF SOUTHBORO, MASS.

## Wheeler's S. C. White Leghorns

America's Quality Strain—Leading Winners at  
Baltimore, Pittsburgh, Boston, Buffalo, etc.

Our stock this season is larger and better than ever (ask Judge Schwab). We have a good lot of hens and cocks, 1 and 2 years old and a few good breeding cockerels. Will sell the hens from \$2.50 to \$5.00 each and males at \$5.00 to \$15.00 each. Ideal head points with proper carriage and positive white plumage, are characteristics of this line. Absolute satisfaction assured in price and birds.

### The Character of this Line is Breeding Quality

The "Wheeler Strain" has been carefully line-bred for fifteen years, breeding true to type and highest standard quality, being dependable breeders and the best of layers. Mated Trios and Pens a specialty. Write us your wants. Catalogue giving prices and particulars now on press, write for a copy and become acquainted.

If you wish to win or to breed winners, write me.

G. L. WHEELER & SON, Box A. Penn Yan, N. Y.

pion." they have his characteristics and are bound to improve, for such quality is bound to tell and should be well considered by those wishing to improve and breed fine stock.

In old birds they have a large flock also, and many of these are now offered for sale, which includes a limited number of yearling cock birds. They can supply selected breeders and choice exhibition birds for all classes.

For special information address The Joe-Pye Orpington Farm, South Norwalk, Conn. H. P. Schwab.

### Owen's Silver Laced Wyandottes.

R. D. Owen, Creston, Ohio, has been some years perfecting his strain of Silver Laced Wyandottes and this year has succeeded in producing the finest bunch of pullets we have seen, having that open lacing so much desired in all sections. The sire of these grand pullets was a hen-laced male that has proven himself invaluable as a sire. Mr. Owen breeds all his own winners in both male and females and the males are grand in breast and hackle and both sexes have those very desirable well spread tails. He has birds that can win in any show room from Madison Square to the Pacific Coast. He is extremely reasonable in his prices. When writing him state just what you want and for what show room. He won first cockerel at Cleveland last winter and will show in Chicago this year. —H. H. Coburn.

### Dark Cornish.

The position held by the Dark Cornish fowl in this country today is, we believe, directly due to Mr. John W. Ward, Jr., Pennington, N. J. He is their real champion, for he believes in them and has been working in a broad-minded way for their success, and when we consider the very large and beautiful classes of this variety seen at New York, Boston, Philadelphia, Baltimore, Hagerstown, Chicago, Allentown, Williamsport, Pittsburgh and dozens of others the past two and three years, we can well see that Mr. Ward's work is proving successful. In several of the classes mentioned the entry totaled over 100 birds, birds of highest merit and bred for practical quality as well.

The Dark Cornish are an old-time favorite and have always had friends, but today, with a club membership of nearly 400, they are coming fast to their own as the standard meat fowl, for in this Mr. Ward claims lies their greatest worth. As broilers and roasters they have no superiors; they grow and mature quickly and are at all times plump and of fine grain flesh, being grown to two-pound weight in from eight to ten weeks.

Our visit to Mr. Ward's home and yards was a real holiday for us; his town being near Trenton, with electric car service. Here we saw at home his many famous winners, all his breeders and all of his great flock of youngsters, and before we left we had the Dark Cornish fever up to 111°.

To mention some of his birds, here was seen his first Hagerstown cockerel, 1913, that won the champion special for best cockerel in the whole show, a beauty of rare form, tight feathered and magnificent color and markings. Also his winning cock birds, pullets, hens, etc., for be it known that Mr. Ward has been doing the clean-up act pretty regular the past three or four years. Here also was seen the dam of his Allentown Futurity winner, a noble specimen.

Of 19 pullets shown at Allentown 7 were imported birds. His two best cock birds, named "Uncle Sam" and "John Bull," are a great pair, as broad as they are long, with legs about 8 inches apart and of extra carriage; both these birds are great winners and are full brothers. "Uncle Sam" won first at Hagerstown, 1913, and second at the London Crystal Palace show. He weighs 11 pounds in condition.

In the pen with the first Allentown cockerel was seen five selected females, in size, station, color and markings they were of the one best grade. The cockerel weighed 8½ pounds at 6 months old.

We most forgot to mention "John Bull's" record, which is first at club show, Chicago, first Hagerstown, 1912, first Allentown, 1913, etc.

This whole line is teeming with quality. The young show their breeding and rare quality to advantage. If any one still imagines that Dark Cornish can't be bred to perfection in this country they best think again and then pay a visit to this flock. We believe them at their best here. They are good layers, rapid growers, strong and vigorous, all of which combine to make a profitable variety.

Mr Ward spent three weeks in England last August and brought back several of



the best birds he could buy for new blood. He has made this variety a study and we owe it to him to say that he has done well, for at his place we saw the grandest line and flock of Dark Cornish ever seen. His young promise to surpass in quality his breeders, and with such a line, and such prospects, we surely want to give credit.

H. P. Schwab.

**Simplicity Kan't Klog Poultry Feeder** is the most appropriate trade name which could be selected for this well-known feeder. The fact that it Kan't Klog places it at the head of the class of poultry feeders. The price being as low as the cheapest feeder on the market and considerably lower than other feeders of reputation should be an important item not to be overlooked by the prospective purchaser of feeders. The mechanical part of the Simplicity Kan't Klog Poultry Feeder is absolutely indestructible; that is why they have been called the Simplicity Kan't Klog Poultry Feeders. Purchasing an article is an easy matter, but the upkeep should be taken into con-



sideration. It is far better to purchase a little more expensive article, which does not need repairing, than a cheap article which is out of order half the time. When you can get an article that will absolutely not get out of order, and which is as cheap as any similar feeder on the market you have what is generally termed a bargain. Simplicity Kan't Klog Poultry Feeders demand no attention whatever; they can be relied upon to work at all times, and can be had at prices ranging from \$1.25 to \$3.50 according to size. Smallest size is Baby Chick size, sells at \$1.25; 10-qt. size, for grown-up fowls, sells at \$2.50, and the 20-qt. size for \$3.50. There are many superior points to this feeder but space does not permit us to go into details. Look for the advertisement in this issue. It will give you more information, or write for catalog. Simplex Supply House, Pontiac Bldg., Chicago, Ill.

#### Dune-Alpin Farm, East Hampton, N. Y.

Extraordinary was the exhibit of the Dune-Alpin S. C. White Leghorns at the late Hagerstown Fair and with their great record made special comment seems to be their due at this time. In a large class of unusual quality they made a sweeping win of five first prizes and many others, as follows: Cocks 1st, 2nd, 3rd, hens 1st, 2nd, 3rd, cockerels 1st, 2nd, 3rd, pullets 1st, 2nd, 3rd, old pen 1st, young pen 2nd, 3rd, special for best cock in the show and sweepstake special for best bird in the entire exhibit.

These winnings like those made by this line at Boston, the Palace, N. Y., show and others, tell just what Dune-Alpin Leghorns and quality are; that they are a line of superior merit cannot be doubted, for they have made just such records year after year and at our best shows and in the hottest of competition.

The winning cock at Hagerstown was in size, condition, style and carriage a prime favorite for the best bird in the show special and received every vote of the seven judges present. There was no question as to his quality and we have never before seen a cock in such superb condition at this time of the year. A great bird and a great winner was the general verdict of all who saw him.

First cockerel, a corking fine one, with wonderful head and the best of quality in every section; 2nd and 3rd also ran quality, either would make a fine winner if the first had been absent.

All their winning females were in a class by themselves and formed a beauty collection. Mr. Geo. J. Kerr, the manager, reports having a large and fine flock of birds and can fill any orders entrusted to him. In writing mention A. P. J.—H. P. Schwab.

The Parkway Farms, Mr. Barton T. Fell, proprietor, Trenton, N. J., R. F. D., offers for sale their entire line of S. Penciled Rocks. This is one of the large and leading lines of this variety and winner at Hagerstown, Allentown, Atlanta, Ga., Trenton, etc.

In this sale birds are offered at special prices and it will be well for those interested to write Mr. Fell for prices and particulars. He will please you.—H. P. Schwab.

The Duplex Colony Brooding System solves the brooding problem. By this system of raising chicks it is not necessary to have hovers for them to run into in order to keep warm, which means that the chicks will always have pure life-giving air to breathe and that means that white diarrhoea positively cannot get a foothold among them. Your losses from this disease will be cut to absolute zero. You can raise chicks in February and March as successfully as you can in May or June. With the Duplex Colony Brooding System the chicks are always in sight. The large room they are in gives them plenty of space for exercise which keeps their muscles hard and their appetites good. This means that the chicks will grow much faster and mature earlier. It positively is no more work to care for 1,000 chicks under the Duplex Colony Brooding System than to care for 100 in any other way. The difference being that you put a quantity of feed and water in one pen under the Duplex Colony Brooding System while with any other system you must put a small quantity in each of fifteen or twenty compartments. You have one stove to attend to which requires practically no attention instead of fifteen or twenty lamps. You have one room to clean out instead of fifteen or twenty, and so on all along the line. Duplex Colony Brooding Devices are made in sizes to accommodate even the smallest breeders. The Duplex Colony Brooding System positively saves nine-tenths the labor, three-quarters of the expense and will bring to maturity from twenty to sixty percent more and better chicks. This wonderful new system of brooding is fully explained in a booklet entitled, "Colony Brooding" issued by the Duplex Colony Brooder Co., 476 N. Avon St., Rockford, Illinois. They will send it to you free if you mention this paper. We consider this system worth looking into and suggest that our readers write for it.

Accurate statements and no misrepresentations of any nature are necessary to an advertisement before we will accept it for our columns. So we therefore feel free to earnestly advise our readers, when interested in any of the articles advertised in our paper, to write direct to the manufacturers for catalogs and full particulars, even though the goods are sold through the local dealer. The manufacturer of a product can naturally answer your questions

much better than his local dealer, and if you do not know the name of the dealer handling the particular article, the manufacturer is, of course, only too glad to direct you to him. It pays best in the long run to thoroughly investigate a product before you buy it, and you should get the catalogs issued by the various manufacturers making the product in which you are interested. A brand new catalog of "Pittsburgh Perfect" Fencing, issued by the Pittsburgh Steel Company, Pittsburgh, Pa., has just come to our desk, and we note it contains much valuable information to all fence users, including some simple wire tests by which you can conclusively prove to yourself the value of any wire before you buy it. The company will send a free copy to anyone writing for it, if they mention this paper.

We hear from Wm. Cook & Son, originator of all the Orpingtons, Scotch Plains, N. J., that they won at Troy, Alabama, five firsts in White Orpingtons, five firsts in Buff Orpingtons and four firsts in Black Orpingtons and first Blue Orpington pen: cups for best bird in the show (which prize has been won by them at every show exhibited at this season), best pen and best display. Competition was good, in two classes alone being 65 entries, 41 White Orpington pullets and 77 Buff Orpington cockerels. Mr. P. A. Cook reports excellent sales from this show and an increasing demand for good Orpingtons, which he is well able to supply as he has the finest and largest selection of Orpingtons he has ever owned. Mr. Cook mentions that more first prizes than ever are being won by his customers this season. Write for catalog and mention American Poultry Journal.

We would again call your attention to the merits of the Old Honesty Heater. We have examined this heater and seen it work and we think it is all that it is claimed to be. It is not meant to heat a building like a dwelling, but to keep the sand warm and dry. It keeps the fowls busy and instead of humping up on roost they are down into the warm sand scratching and singing, and in consequence the egg yield is greatly increased. The real expense is in installing this heater; the fuel costs almost nothing, as it burns any old thing and it never wears out. A postal card addressed to the Old Honesty Heater, New Washington, Ohio, will bring you circulars.—H. H. Coburn.

The great big "Year Book" given away free---see back inside cover now

## Ward's Champion Dark Cornish

Ward repeats at Allentown and Hagerstown. 9 firsts out of 11; 8 seconds out of 9, including all 1st and 2d prizes on males, against nearly 150 birds, the foremost breeders in America competing. In conclusion, blood will tell. Write Ward.

JOHN W. WARD, JR. BOX 7 PENNINGTON, N. J.

## ANOTHER GOVERNMENT CERTIFICATE

will be issued to show that our entry of

### S. C. BUFF ORPINGTONS

are again leaders of their class at the International Egg-Laying contest at Storrs. Improve your flock with cockerels hatched from certified layers. Best authorities say you must use males bred from high producing hens to get an increase in the egg yield. Hatch them yourself and breed them—we furnish the pedigree.

Cherry Lane Farm Company : Box 148, Oak Hill, West Virginia

THE WORLD'S BEST S. C. BLACK MINORCAS AND CANADA'S BEST S. C. REDS

## CLOSING-OUT SALE

of the best flock of Single Comb Black Minorcas on the continent. I exhibited at two shows this season, the National Exhibition at Toronto, and the London show. I won at Toronto, single comb cock, 1st and 5th; cockerel, 1st, 2nd and 3rd; pullet, 1st and 2nd; 100 Single Comb Black Minorcas in class. I won at London (70 in class), single comb cock, 1st and 3rd; hen, 4th and 5th; cockerel, 1st, 2nd and 5th; pullet, 1st, 2nd and 4th; pen, 1st. At the A. B. M. Club show, in 1910-1911 and 1911-1912, I won the Directors' \$50 cup for best collection. I have the best flock of cockerels and pullets I ever owned, and they are going at about half the usual price. Please send for sale list and testimonials; I please my customers.

T. A. Faulds :- London, Ontario, Canada





## YAMA FARMS

S. C. BLACK MINORCAS  
BARRED PLYMOUTH ROCKS

### The Pacemakers of America

An unmatched record at  
America's Greatest Shows  
meeting America's Great-  
est Competition.

### Special December Offerings

Several hundred fine S. C. Black Minorca cockerels at \$5.00 each. Some excellent breeders that would give a good account of themselves at the smaller winter shows at \$10 to \$15 each. We are extra well prepared with very high class exhibition cockerels and pullets. In fact we have the most uniform lot that we have seen together—birds that should satisfy the most exacting.

In Barred Rocks we have a grand lot of large, husky, well-developed, pullet bred cockerels, now standard weigh and over, that we will sell reasonably in the next 30 days. They are all well bred from our famous pullet line and cannot be excelled. Ten of these at \$10. Ten more at \$15 and ten extra choice at \$25.

### Win the Blue Ribbon

If you want to win at your coming show, write us. We can sell you birds to meet any competition at reasonable prices, quality considered. We can fit you out for the show room in cocks, hens, cockerels, pullets and pens. Catalogue free.

## YAMA FARMS

Napanoch, Ulster Co., New York  
Newton Cosh, Mgr. of Poultry Dept.



Japanese Entrance to Yama Farms

### The Popular Weekly for Progressive Poultrymen.

We call your attention to the advertisement of The Country Gentleman in this issue. This popular weekly paper has, through its progressive policy and practically unlimited financial resources, created a new kind of farm and poultry literature that is practical.

While The Country Gentleman is the oldest agricultural journal in the world, it is not yet three years of age in its present form. Good evidence of the wisdom of the plan to furnish the modern business poultryman, farmer and fruit-grower with practical helpful information and reading matter, is shown in the wonderful jumps made in the circulation of this attractive weekly during the past two years.

Everyone who reads one issue of The Country Gentleman becomes from then on its friend. It is especially valuable to the poultryman. The best talent in the world—men and women who are authorities as well as plain, everyday poultry raisers—are glad to contribute their experience to readers of this great paper. Such well known writers on poultry subjects as Michael K. Boyer, T. C. McGrew, Dan T. Lambert, W. H. Card, W. C. Hunter, David Buffum, R. P. Ellis—and many others are frequent contributors of interesting articles from which poultrymen gain much valuable "Don'ts and Dos," and many ideas which they may adapt to advantage on their own poultry farms.

The Country Gentleman tells how to market poultry and eggs most profitably—how both the big and the small business poultryman may pack and ship economically and more satisfactorily—how to advertise and create new and better outlets for poultry products. It describes many new ways and better methods of poultry farming, fruit growing and gardening. Each issue is so full of valuable matter that you'll save it for future reference. There's no theory in this new type of paper—everything is taken right from real experiences in poultry raising and farm life. It describes failures as well as successful ventures and shows the why of the failure.

You receive 52 big, valuable numbers of The Country Gentleman for only \$1.50, less than 3 cents a copy for a year's subscription. Or it may be purchased from any news dealer or "Curtis" boy for 5c a copy. We advise you to send a year's subscription to the Curtis Publishing Company, Philadelphia, Pa., and receive this live publication regularly at your home. We, ourselves, look forward to each week's visit of The Country Gentleman with much anticipation of the pleasure and profit we are going to obtain from reading it.

### A Good Report—Read It.

In order to do justice to a high class article, and for the benefit of our readers we feel that we should publish the following copy of letter, the firm mentioned below has sent us as being received by one of their customers:

St. C., Minn., Nov. 10, 1913.

Des Moines Incubator Co.,  
Des Moines, Ia.

Gentlemen: As soon as I had received your nicely illustrated and well written circular on your Sectional Grain Sprouter I placed an order with you for the No. 3 Sprouter. I received the Sprouter promptly and was well impressed with its almost all steel construction and especially with the galvanized steel trays. I thought, if it would work as good as it looked I should have no reason to complain. Well, I soaked my oats, filled the trays and before I expected it the grain was in full sprouting. That was three weeks ago and I have kept it going ever since. When the sprouts were about 4 inches long I began to feed them to my flock and during the two weeks I have done this I can already notice quite an increase in the daily egg yield. The fowls seem to feel as if new life has been put into them. I sure can recommend the Successful Sprouter as a handy green food provider and a great help in getting more eggs from the fowls when the prices are broke out good.

Wishing you abundant success in your new line, I am,

Yours truly,

FRANK MILLER.

We hope that our interested readers will follow suit to Mr. Miller and investigate this new grain sprouter by writing to the Des Moines Incubator Co., 561 Third Street, Des Moines, Ia., for their descriptive matter.

Captain Max de Bathe, Hartley Court, England, the originator of the Blue Orpingtons, has just been elected vice-president of the English Poultry Club. This breeder

and exhibitor is well known to the American public, having in 1911 and 1912 personally attended the Madison Square Garden Show, New York, with a fine display of exhibits, all bred by himself. Last year at the Garden he judged and is the only Englishman ever sent for to adjudicate at this great show. Captain De Bathe has the distinction of being one of the few Orpington exhibitors in England who breeds his winners and when it is stated that at the Crystal Palace Show, London, 1912, he won no less than seven firsts, three challenge cups, two seconds, three thirds, two reserves, two fourths, the greatest of all English shows, this must convey the extraordinary quality of the birds he breeds. He arrives in New York City December 24th and his address will be Seville Hotel, 29th street and Madison avenue., and he will be pleased to meet any customers there.

The Magic Egg Tester that has been advertised in these columns for the past several years has proved a very satisfactory article for those who have used it, as is evidenced by the fact that the Magic Egg Tester Works of Buffalo, N. Y., have furnished us with a number of unsolicited testimonial letters from jobbers who have been handling the tester for them. The Cugley & Mullen Co., of Philadelphia says:

"Since the introduction of the Magic Egg Tester to the poultry people several seasons ago, we have found a great demand for them. We have sold during this time, many dozens, and it affords me great pleasure to say, that not one of these customers have entered a complaint against the merits of this tester. In my judgment this speaks volumes for the practicability of the tester, and the wonderful work it accomplishes."

Send for circular to Magic Egg Tester Works, Dept. B., Buffalo, N. Y.

The post that eliminates lice on the Poultry Farm. Write for catalogue. Carbo Steel Post Company, Department 183, Chicago Heights, Illinois

## WHITING'S ROUPENE ACTUALLY DOES CURE ROUP

Even the worst cases, even DIPHTHERITIC ROUP and CANKER. We don't care how bad the case is so long as the bird is not in the last gasps of death.

ROUPENE WILL CURE and leave no weakening or bad after effects in the bird or its progeny.

You will find now among most flocks chickens with scabby sores on head. They're contagious; rub them off and apply ROUPENE. Swollen heads and running eyes mean roup—use ROUPENE and

## We Guarantee a Cure or Refund Money!

WHITING'S ROUPENE destroys the roup germ. It takes right hold and cures without fuss or delay. ROUPENE prevents contagion. You do not have to quarantine the diseased birds.

ROUPENE not only cures Roup, Canker and Diphtheritic Roup, but it also cures Sorehead, Limberneck, Colds and Pip. 50c and \$1 per bottle. At dealers or mailed by us on receipt of price.

### NEW FREE BOOK READY

Write for it today.

John R. Williams, Townley, New Jersey  
Stamped Out Epidemic of Roup and  
Chicken Pox with ROUPENE

"The first epidemic of Roup and Chicken Pox I ever had broke out on range this Fall, but with Roupene I have been able to cure every case of Chicken Pox with only one application, and have stamped out the Roup without losing a single bird. I have just put 600 hens into one house, allowing only 13-5 ft. to a fowl. They were 'raised' on Whiting's White Diarrhoea Remedy, and I am using O. K. Litter in the house."

WHITING'S  
POULTRY  
AND  
ANIMAL  
REMEDIES

O. K. Company

Dept. 29

157 Water Street  
NEW YORK



### A Day With H. Cecil Sheppard.

Along the latter part of October the writer made his first visit to the world's renowned model Ancona Farm of H. Cecil Sheppard, Berea, Ohio. Having heard so much about it it was only natural that I had a great curiosity to visit it and talk it over with Mr. Sheppard. The whole outlay surpassed my expectations, which were keyed up to no small degree. First, we will endeavor to give the unfamiliar a conception of the man and how he started, like the oak, his plant being like the acorn and now the gigantic oak. He, like many other prominent fanciers, was compelled to give up a business career on account of poor health, and now has a business far exceeding the one he gave up. Mr. Sheppard lived in Cleveland for a number of years and as heretofore mentioned, his health was poor, and with his marked determination he began to fight it out and decided to go to the country. After looking over many locations he decided on Berea as being ideal, as they had ideal schools and all modern conveniences; located as it is on three trunk lines of railroad and electric line, the shipping facilities are excellent. He first leased the property for a period of two years, and being well satisfied with it bought it at the end of the first six months. The enchanting country life, with its fresh air, and as the springtime advanced the fragrance of flowers and the outdoor life was a revelation to him, and so here beginneth the Ancona Farm on a town lot. He had a fine garden plot and started strawberries and raspberries, and in five years the place proved a little paradise. The first season's business in Anconas was \$160, and this increased step by step until it reached \$9,500 the sixth year on a town lot. Mr. Sheppard's book entitled, "\$4,223 in One Year on a Town Lot" will furnish further details. It is some time since Mr. Sheppard outgrew his town lot and is now located two miles outside of Berea on a farm about 10 miles from Cleveland. He recently completed a fine residence with all modern conveniences; in his office is where you find the very essence of system, and which is furnished with all modern equipments. A record is kept of every bird shipped and customers desiring birds of a different strain of same quality as last shipment can be accommodated; the records are kept on file for further reference. The office is on the first floor of the administration building, which is 48 x 68 and four stories high; this building also contains power plant, shipping rooms, conditioning room, 15 laying pens, and "stag quarters," with 66 individual cages for males. The incubator cellar has a capacity of 4,000 chicks a season to supply the tremendous demand for Ancona Baby Chicks. Here is installed a mammoth incubator with a hot water system of hatching strong, healthy chicks, free from vermin. The upper story of this building is used for a laying house and is 14 x 60 feet; another laying house is 322 x 20 feet and contains 37 breeding pens. The brooder house is 118 x 14 feet, with a capacity of 2,600 chicks, or about 10,000 for the season. This is also heated by a hot water system.

It takes thousands of Anconas to supply the demand for Anconas created for the Sheppard strain, and hundreds of fowls have to be mated to furnish the egg and baby chick trade. It would be in keeping to mention here that Mr. Sheppard, in starting with Anconas, imported the best obtainable. The invincible cockerel, King William, won first prize at the World's Greatest Exhibition Dairy Show, London, England. With Mr. Sheppard's practical knowledge and push it was an easy matter to make the Sheppard Anconas the Famous Strain. He has shipped them 8,000 miles to the southern part of Africa and almost every corner of the globe. They have won in every country and state where shown. Mr. Sheppard does an immense business and one day's shipment is a sight. He has scores of costly and handsome cups and many other valuable trophies. They have made a clean sweep at Madison Square Garden and as a rule sweep everything before them. He has hundreds of show birds conditioned and can furnish stock in almost any number. Look up ad and write today.

—H. H. Coburn.

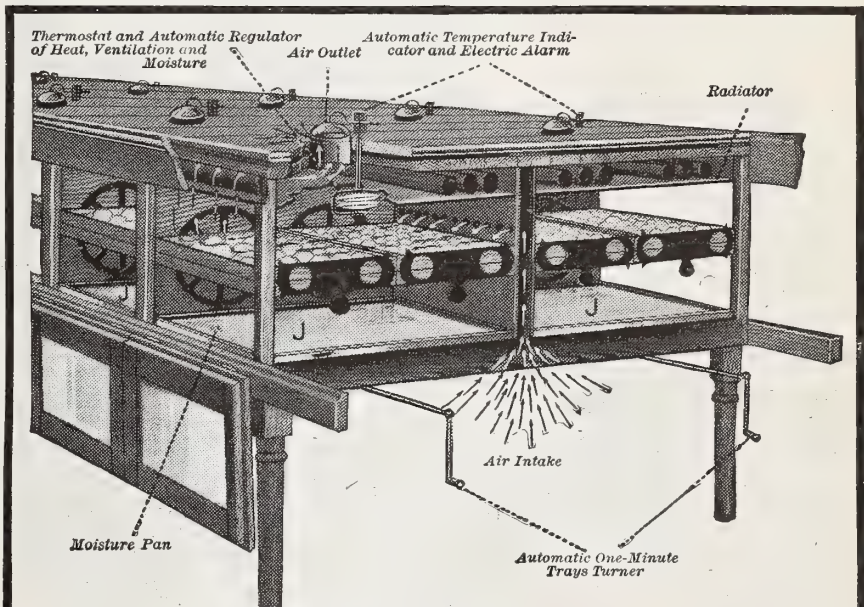
The Green Co. Fair closed the fair season of 1913 in Illinois with one of the largest and best exhibits of poultry seen in the state the past season—1,600 land and water fowls were on exhibition, comprising 125 varieties. The competition was lively and the awards well divided. Barred and White Rocks, Buff Orpingtons, Rhode Island Reds and Single Comb White Leghorns were the leading varieties, and the quality in these classes was good. Mrs. C. H. Husband, of Springfield, Ill., showed a nice exhibit of Buff Orpingtons; her first prize pullet (also

first at Illinois State Fair) being a splendid specimen, showing great length and depth of body with good back and well spread tail, and rich golden buff color throughout. Mr. Chas. Myers was well represented in the Single Comb White Leghorn alley by a good string of birds that showed quality all through; 1st cockerel, although not finished, showed fine type and color. Frank Hays exhibited a nice string of Single Comb Anconas with a good type and nice even color throughout. Space will not permit us to comment at length on all classes, but taking the show as a whole it was far above the average, both in numbers and quality. Much credit is due Mr. Geo. D. Headrick, the superintendent, for the able and business-like way in which he handled the exhibit.—J. C. Johnston.

T. A. Scott, of Bethany, Ill., starts his advertisement of White Orpingtons with

this issue of American Poultry Journal. Mr. Scott has been breeding some remarkably good Orpingtons, as his winnings at some of the leading shows attest. At the Illinois State show, 1913, on eight entries, he won 1st cockerel, 1st pullet and 2d cock. At Decatur, 1913, 1st and 3d cockerel, 3d cock and 1st pen. Winning more first premiums at these shows than any other exhibitor. Mr. Scott informs us that he has 250 head from which to make selection, he guarantees every sale to be satisfactory.—J. C. Johnston.

Charles G. Pape, the well-known S. C. Black Minorca breeder of Fort Wayne, Ind., reports the following winnings at the Michigan State Fair, Detroit: 1-2 cock, 1-2-3 hen, 1-2 cockerel, 1-2-3 pullet and 1st pen. At the Illinois State Fair, with only one entry in each class, 1st cock, 1st hen, 4th cockerel, 1st pullet and 1st pen.



## Regulator at the Heater Regulator at Each Compartment

A Regulator at the heater automatically holds the temperature of the heating system at a fixed degree continually. No changing required.

A Regulator at each compartment automatically holds the temperature in its own particular compartment at the correct degree all the time.

The one acts as a check upon the other and there can never be too high or too low temperature in a Newtown. The safety of your egg investment will always be sure, and your hatches always big and profitable, if you install a

## NEWTOWN GIANT INCUBATOR

1914 Model

There is nothing about the Newtown Automatic Regulator at each compartment to clog and "stick" and refuse to operate. The simple duty of its powerful thermostat is to expand when the chicks generate heat, and elevate a light metal lid over the opening in the top of the compartment. We make provision for conditions produced by the hatching eggs.

This causes the escape of the excess heat and compels a constant, even temperature all through the hatch. And you need not be there to lower the trays when the temperature goes up.

*The Newtown Giant is the only machine that has these automatic time and labor savers and features that insure a big hatch of healthy chicks every time: Automatic One-Minute Trays Turner, Automatic Regulator of Heat, Ventilation and Moisture at each Compartment, Automatic Coal Feeder at Heater, Automatic Temperature Indicator, Automatic Alarm and five Automatic Safeguards.*

It is to your interest to learn all about the improved Newtown. You want to be shown how to keep down your operating expense to the minimum and why the Newtown will make your hatching more profitable. Let us make all this plain to you.

Send now for incubator catalog and Giant circular I and get all the important facts.

New address

**NEWTOWN GIANT INCUBATOR CORPORATION**  
Harrisonburg, Virginia

Manufacturers of Giant Incubators, Brooding Systems and Colony Brooders.

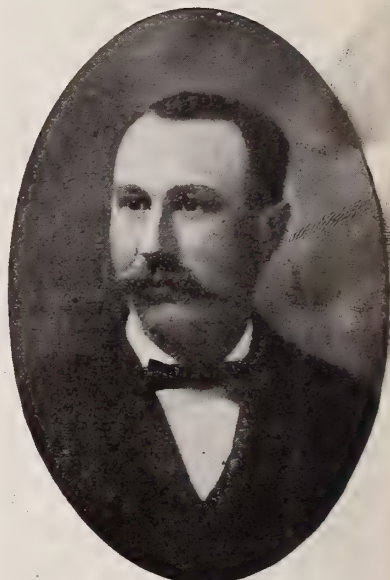


Among the many breeders of Rhode Island Reds whose Reds show a marked improvement from year to year are the Rose Comb Reds of Martin C. De Loof, Willoughby, Ohio. It has been stated before in these columns that for the past ten or eleven years Mr. De Loof has been in close touch with some Rhode Island Red breeders of the advanced school and being

an apt scholar and a close observer of detail, as well as a man of sound practical business judgment, he can now be termed a postgraduate in mating and rearing Rose Comb Reds. We can most truthfully and conscientiously state that no breeder, large or small, can beat him in improvement of his strain from year to year. Mr. De Loof's first Youngstown cock is simply a wonder

for evenness of type, rich red and has the reddest undercolor we ever saw. The picture of this great bird appears in this issue. Mr. De Loof has a lot of show birds in show condition. Write for prices. —H. H. Coburn.

If any one in this broad land knows how to grow large, rangy Single Comb Reds it is E. F. Birkholz, Willoughby, Ohio. He seems to hold some secret charm that makes them get to weight in double quick time. When I visited him in September he had them hen hatched and up to weight. He hatches with hens exclusively and raises the chicks on range so they are very rugged and great hustlers. His Reds have great type and are a beautiful, even red throughout. The demand for his Reds has steadily increased during the past two years and he has shipped birds to every State in the Union. He has scores of letters from satisfied customers whose birds will win in their respective sections. Last year Mr. Birkholz showed at Ashtabula, Ohio, and won in a class of 75, 1-2 cockerel, 2 cock, 1 pullet, no hens or pen entered. If you want good winners at reasonable prices write E. F. Birkholz, Willoughby, Ohio. —H. H. Coburn.



Above is a correct likeness of Luther J. Hall, owner and manager of Hill View Farm, Kenney, Ill., the originator and breeder of the "Largest in the World" strain of Barred Plymouth Rocks. Mr. Hall has been breeding this, his favorite variety, for fifteen years, and in that time has spared neither time nor expense in building up a strain that is second to none. Hill View Farm comprises 140 acres, situated four miles north of Kenney; here the Rocks have free range over the meadows and through the woodland, where they develop splendid size and beautiful plumage. On a recent visit to this farm we found a strictly "up to date" plant, well equipped for the rearing of poultry, while a general air of prosperity surrounds the place. While there we handled quite a number of the breeders and young stock that showed plainly the result of careful mating and rearing, many of them showing that clean, snappy, "down to date" barring so hard to obtain and so rarely seen. In addition to the many prizes won by Hill View Farm at the leading shows of the middle west, they have furnished the winners for such shows as Atlanta, Ga., Goshen, Ind., Elkhart, Ind., Minneapolis, Minn., Regina, Canada, and many others. They can furnish you show birds and breeders in any quantity desired. Their ad appears on another page of this issue. —J. C. Johnston.

Park Poultry Yards, Nashville, Tenn., have been making some wonderful winnings on their S. C. White Orpingtons this season. At the Tennessee State Fair, Nashville, Tenn., they won 1 hen, 1-3 pen, 1-3 cock, 1-3 pullet and several specials. At the Arkansas State Fair, Little Rock, they won 1-2-3 pullet, 1 hen, 1 cock, 2-3 pen, 3 cockerel, and carried home several beautiful silver cups. Mrs. Stonestreet, proprietress of these yards, reports good business in stock and orders for eggs for hatching. Anyone interested in good White Orpingtons or Partridge Plymouth Rocks should write for catalogue and address Park Poultry Yards, Glendale, Nashville, Tenn.

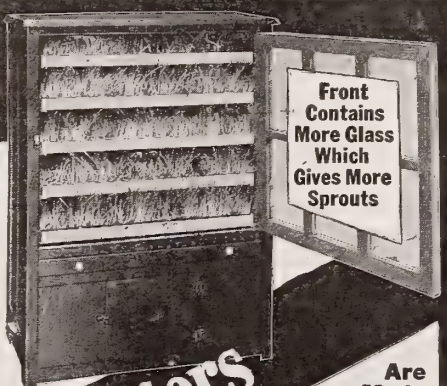
## Grain Sprouters at a Bargain

**5,000** more of the famous Reliance Grain Sprouters are now ready for delivery at factory prices. This gives you another opportunity of saving \$5.00 for yourself, which you can put into an incubator or brooder. If you order quickly, you will get a still better bargain for our special

**November Price Is Good Up to December 15th**

There's many reasons why we can undersell all competition on Grain Sprouters. In the first place, by buying large quantities of raw material—best steel, lumber, etc., for cash, we secure large discounts. Again, we manufacture by thousands, while others hundreds, which saves factory costs. Again, we sell direct to our customers, employ no agents, therefore have no agents' commissions to pay or agents' high prices to protect. We add only one small profit to actual cost for ourselves.

Our low prices are not quoted on one size only, but on all sizes. Shipped complete same day order is received. Safe delivery guaranteed.



**Front Contains More Glass Which Gives More Sprouts**

**Are Made to Make Money for You**

Winter is right here NOW. You need a Grain Sprouter—every poultryman does. So don't delay, but write today for low prices on different sizes.

Choose the size you want, then when the Reliance comes, start giving your hens sprouted grain. Reliance Sprouted Grains will be the means of

Increasing Egg Yield Over 50 p.c., Keep Hens Laying All Winter, Aid Growth; Promote Health of Fowl and Cut Your Feed Bill in Half.

The Reliance will produce 3 to 4 bu. of sprouts from 1 bu. of grain and do it quicker with less care and attention. In fact, there is

**None Better Made—No Matter What the Price**

The Reliance has double walls, double insulation, extra galvanized iron linings, galvanized trays, (not wooden), strong screening. The lumber is of the highest grade, the heating system is better, the ventilating system is faultless; besides, the front contains more glass which induces larger quantity of sprouts. Don't put it off any longer, but write, right now, and learn what a really low price we place upon our machines. Facts and literature will be sent by return mail. Address

**RELANCE INCUBATOR CO., Dept. 49, Freeport, Illinois**  
Manufacturers of Grain Sprouters, Incubators, Brooders

**Reliance Grain Sprouters**

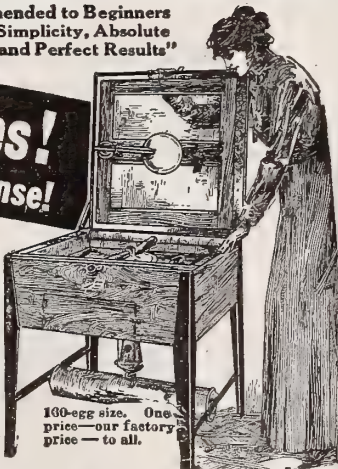
3 bus. sprout from 1 bu. grain.

## This Incubator Hatches! Boosts Profits—Slashes Expense!

Reader, now that you've decided to buy an incubator, are you going to choose one on promise or performance?

Results are what count. The number of chicks hatched, the amount of oil used, the freedom from care and attention, and the assurance that the incubator will perform season after season, the same as the first time it was used.

Standing beside several types of machines, the "Rayo" has shown its superiority time and again. In one instance averaging 16 chicks more to a hatch with one-fifth the quantity of oil. This superiority of the



100-egg size. One price—our factory price—to all.

## RAYO Incubator

isn't just a matter of luck. The superiority is built into the machine and there isn't an old-style, lamp-on-the-side machine that will ever equal it. Besides saving dollar after dollar on oil and 15 to 20 chicks each hatch, the Rayo puts an end to all the drudgery of old-style machines.

The "Rayo" requires only one filling to a hatch. Eggs and thermometer can be seen through double glass top, which raises for airing, cleaning and turning eggs. Lamp under egg chamber gives perfect radiation. Double wiper thermostat acts on flame—produces exact heat needed—none thrown away. Automatic ventilator. Turn eggs semi-automatically without touching trays. Clean lamp without removing chimney or tank. Oil tank holds five quarts, a month's supply. Strong redwood case, covered with steel, enameled like mahogany, making it fireproof and handsome.

The Rayo's claims are based on actual facts. Hundreds of experienced poultrymen will have no other machine. Beginners sure of success. Low, direct, freight prepaid prices bring it within reach of all.

**Money-Making Book, "Turning Eggs Into Chicks Into Dollars"—FREE**

To everyone sending their name and address. This book contains special articles by expert poultrymen which, if followed, will bring the reader greater profits. The reason why we send this book FREE is because it also tells all about Rayo Incubators and Brooders. Write for Book No. 16 today and we'll send you Rayo special low price and combination offers. Address

**RAYO INCUBATOR COMPANY**  
1012 S. 13th St., Omaha, Nebr.

**First and Only Patent Hatching Chart in the World—FREE**

To every person who asks for our free Money-Making Book, we will send, absolutely free, a sample of the Rayo Patent Hatching Chart. It tells what to do day by day during the hatch. We also present to you with each Rayo Incubator you purchase a \$1.50 Hygrometer. The hygrometer and hatching chart would cost you \$2.50 if you had to buy them. Remember, we include these with each incubator without extra charge. No other firm does this.

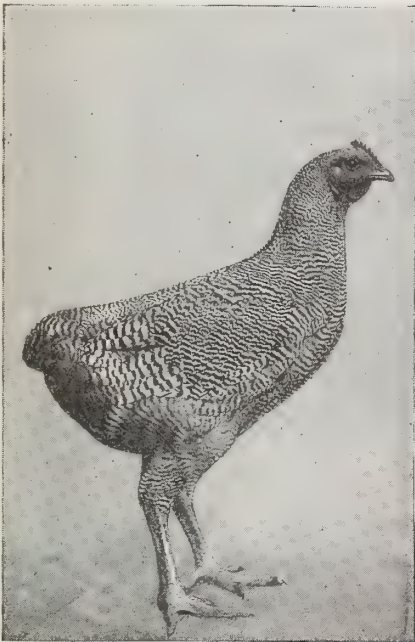


### Rose Comb Black Minorcas.

On the edge of Seymour, Indiana, we find a fine poultry farm of G. A. Clark, the oldest professional breeder of the great Perfection strain of Rose Comb Black Minorcas, which has won consecutively at Madison Square Garden and other great shows for years, winning in all over 500 ribbons and specials, a record unapproached and unsurpassed by any other breeder in the world.

At Madison Square Garden last year he won first cock, second pen, fifth hen and pullet. His first cock bird, Perfection III, whose photo appears in this issue of A. P. J., is the greatest Rose Comb Minorca cock living. His first prize pullet at Cincinnati, 1913, is a bird of great individual merit. Her head points are fine and length of back great. Her dam has a phenomenal egg record and this pullet will go her one better. At the Cincinnati show the first prize cockerel, Ajax, weighed 10 pounds at the age of 9 months—he actually weighed 10½ pounds when he started for the show, and as a cock bird he weighs 12½ pounds.

At the Indianapolis show the first hen Mino, weighed 9 pounds. At St. Louis his first prize exhibition yard, consisting of four large hens and cock, the five birds weighed 43 pounds. His catalogue shows picture of pullet that laid first egg at the age of 4½ months. Mr. Clark's fancy poul-



A pullet bred cockerel, son of "Lady Beautiful," first prize hen at M. S. Garden, N. Y., 1913. This cockerel shows wonderful equality in color, barring and form. We can see in him breeding quality of worth and in his veins flows the blood of a great winning line of Barred Rock females. The owner and breeder is Mr. C. N. Myers, Hanover, Pa. It is a line full of character.—H. P. Schwab.

try business is run on business principles and prices calculated accordingly, and are most reasonable, considering the quality. Write for catalogue and mention American Poultry Journal.—H. H. Coburn.

Dirk's Red Miller Killer has become known as a standard remedy and is now used by all up-to-date breeders to rid their fowls of mites. Mr. Dirk has hundreds of testimonials from prominent poultrymen in all sections of the country, who are loud in their praise of his remedy. Mites are one of the worst enemies that poultrymen have to contend with; but where Dirk's Red Mite Killer is used this trouble is entirely eliminated. For full particulars write M. E. Dirk, Box 102, North Baltimore, Ohio.

The Joe-Pye Orpington Farm, South Norwalk, Conn., report a very successful season, with a large flock of youngsters of extra quality. By their winnings at New York, Boston, etc., this line has made a reputation and they have without question the greatest winning male ever produced. Note mention elsewhere in this issue.—H. P. Schwab.

The Blue Orpingtons on the Pine Lodge Farm, South Lincoln, Mass., show wonderful improvement this season. Last season

birds from this farm won at Chicago, New York and Boston, and they have prepared a wonderful string that will be an eye-opener for all lovers of the Blue variety and are making preparations for a clean-up at the large shows in the near future. They are prepared to furnish winners in this variety for any show in the country. Write them for full particulars.

J. J. Klein, Macon, Ill., Barred Rock specialist, starts his advertising in this issue. Mr. Klein is a genial good fellow and a judge of no mean ability, while his Rocks class with the best, as his winnings in the leading shows of the middle west attest. Mr. Klein has about 400 young birds to furnish American Poultry Journal readers. Write him your wants; you will be treated right.

Muntz's S. C. White Leghorns are making good in the large shows, such as Chicago, New York, Elgin, etc. His latest winning is at the Illinois State Fair, Springfield, where he entered 9 birds, 6 of which won prizes as follows: 1 cock, 2-3-5 cockerel, 2-4 hen. While Mr. Muntz does not breed

as many Leghorns as some breeders, you cannot find stock bred closer to the standard than he has in his yards. Anyone wanting the best show stock will make no mistake in writing their wants to him.

"Get right on poultry supplies." Before spending another cent for equipment, write Otis & Moe Manufacturing Co., Otis building, Chicago, for latest catalogue. They manufacture Moe's line of useful devices, invented by a successful breeder for his own needs and they are what you want.

East Pembroke, N. Y., Dec. 18, 1912. M. E. Dirk:—I think I gave your Mite Killer the severest test it ever had. I used it in an old house that had innumerable hiding places for Mites. Since using it, not a Mite can be found in the house.

M. W. PARKER.

The Carver Green-Food feeder is filling a long felt want; there is positively no waste in its use. Write Mr. A. Q. Carver, Freeport, Me., for circular and other information.

# SIMPLEX

No Wick  
No Gas

No Fumes  
No Smoke



Direct  
Contact  
Burner

1500  
Chicks  
Successfully  
Brooded around one Stove

## BROODER STOVE

## How Many of Your Chicks Live?

With a Simplex Brooder Stove you can actually raise 20 per cent to 50 per cent more chicks than by any other method.

### HERE'S THE PROOF

The "Simplex Eliminates  
White Diarrhoea

Read this letter, it proves that we know what we are talking about when we say the "Simplex" will prevent White Diarrhoea.

Chicago, Ill., April 9, 1913  
Simplex Brooder Stove Co.,  
Grand Rapids, Mich.  
Gentlemen:—

Enclosed please find my check for \$29.50 in payment for Brooder Stove shipped me on 7th. This is the second Stove I have purchased from you this season, and of course the last one is purchased because the first one is doing the work. The Stove works entirely satisfactory, and does all that you claimed it would do. I believe you have solved the bothersome problems in brooding. The Stove has entirely eliminated White Diarrhoea from which I suffer heavy losses, losing 50 per cent of my hatch.

The losses with the Stove have been very small.

Very truly yours,

Judge J. C. Everett.  
Farm at Holland, Michigan.

The Simplex Brooder Stove not only raises more chicks for you—it also saves 75 per cent of your operating expense and 90 per cent of your time and labor. Just think what this means to you in **profits**. The Simplex can be operated in almost any room. It is built and sold by experienced, practical poultry men. Now is the time to investigate—get **your** Simplex Brooder Stove before winter arrives.

Upon request a catalog will be sent containing information to poultry men, also letters from men who tried the Simplex methods.

### Simplex Brooder Stove Co.

220 Fourth St., N. W., Grand Rapids, Mich.

Sign name and address below and Cat. and Letters will be sent



### Whatglen Farm.

Judge Frank McGrann, Lancaster, Pa., of Black Minorca fame, has decided to do but little if any judging this season, so he can again get into the show ring as an exhibitor and we are glad to know this. We have been to his home and seen his birds several times and have urged him to refuse shows and to exhibit as a duty to himself and to the breeders of Black Minorcas, for he has the line and quality that should be shown and seen at our best shows, and it is a positive shame not to have them where the general public can see them and know what our best breeders are making of the grand old Black Minorcas.

The What-Glen farms are of general interest and beauty; their locations are superb and with Mr. McGann and Mr. Hiram Dinny as poultrymen they are breeding a line of birds of exceptional merit and quality. For size and carriage with positively sound color they are real wonders. Head points are a feature, nice combs, well set, of medium size and well serrated, lobes and wattles uniform, making them a leading and

purchasers will get bargains that will go down in history. They are fitting a large strain for the Palace Show, New York, Cleveland and Pittsburgh. This strain has a fancy show record and it is in them to stay on top. Write for prices and particulars.—H. H. Coburn.

### Schenley Heights Farm.

The best record ever made in Reds at the great Allentown Fair was made by the Schenley Heights line of S. C. Reds this fall when they won all five first prizes offered in the class and in the best of competition.

Last season this line was the prominent winners at Philadelphia, Cleveland and Pittsburg and the previous year at Cleveland. At all three of these shows his first prize cockerel won the sweepstake special for best cockerel in the entire shows.

Mr. C. F. Rankin, the owner, has proven himself a breeder of worth and this season has shown young of a superior quality. With a very large flock of over 1,000 young he is offering a share for sale and can

They were also heavy winners at this show in 1911 and 1912. If you want a winner write him and mention American Poultry Journal.

### How to Make Poultry Pay.

The above is the title of a booklet published by E. C. Stearns & Co., Syracuse, N. Y. It contains a lot of valuable information on poultry, as well as an interesting letter on how Sam Watkins made poultry pay with a Stearns Green Bone Cutter. Send for a copy and mention American Poultry Journal.

Leominster, Mass., Nov. 6, 1913.

American Poultry Journal,  
Chicago, Ill.

Gentlemen:—I thought I would let you know that I have sold out my entire flock of Blue Wyandottes to Mr. Murray D. Kennedy, Elk Lake, Ont., Canada, which includes the first Crystal Palace cockerel, the first Dairy Show cockerel and many other winners. In all my dealings with Mr. Kennedy I have found him very honorable and



Frank Schellang's poultry plant, Erie, Pa., where several thousand prize-winning S. C. Brown Leghorns are raised annually.

most desirable line with rarest and best quality in every section.

By judging Mr. McGann has also handicapped his selling, but now he can sell at will and we would advise our readers interested in this variety to correspond with him. His birds are better than ever this year and he can satisfactorily fill all demands made upon him. In writing mention A. P. J.—H. P. Schwab.

### W. O. Lyle & Son.

The Erin strain of Partridge Plymouth Rocks as bred by W. O. Lyle & Son, Gnadchubben, Ohio, need no introduction for they asserted themselves repeatedly at our best and most classy shows. This firm breeds them for business and pleasure so accentuate both sides of the business. The senior member of this firm has accepted a new position which necessitates his moving, and to do this quickly must make some tremendous sacrifices in disposing of his birds. He even offers to sell the whole flock, with ribbons, specials, show records and good will. If he does not get his price he will continue the sales as usual, but the

supply choice breeders and the best of exhibition quality. Write him your wants and mention A. P. J. Address Schenley Heights Farm, Pittsburg, Pa.—H. P. Schwab.

With this issue of A. P. J. we start Mr. A. D. Taylor's advertisement of his celebrated strain of Single Comb White Leghorns. Mr. Taylor is breeding a strain of Leghorns that never fail to win wherever shown, and while breeding for exhibition purposes he has kept constantly in mind the utility values, all his breeders are trap-nested and nothing but the very best win a place in the breeding pens. If you are looking for cockerels that will win for you, or females that will fill your egg basket, we recommend to you A. D. Taylor, Springfield, Ill., and his Single Comb White Leghorns.—J. C. Johnston.

L. H. Brown, Lunenburg, Mass., the well-known breeder of Golden Wyandottes, is offering some real bargains in high-class breeding and exhibition birds. At the last Boston show his birds won 1, 2, 4, cock; 1, 4, 5, 6, hen; 1, 4, 5, 6, cockerel; 1, 5, pullet; 1, display; 2, pen.

straightforward. To those who wish to buy Blue Wyandottes or eggs I can recommend them to Mr. Kennedy.—Haldie Nicholson.

### Need Good Poultry Fencing

If so, look up the advertisement of Kitzelman Brothers, of Muncie, Ind., on another page of this issue.

They can supply your wants and supply them right. They are advertising a poultry fence with mesh wires close enough for small chickens, yet strong enough to turn stock.

Their latest catalogue, handsomely illustrated, on farm, poultry and lawn fencing is now ready. Write them for it. It's free. Address Kitzelman Brothers, Box 295, Muncie, Ind.

J. G. Budde & Co., Oak Park, Ill., the well known S. C. Rhode Island breeders, have sold their entire flock of Reds, including their prize winners, to the Hawthorn Farm, Libertyville, Ill., who will continue the breeding of this celebrated strain.



## MONSTER SALE OF PEERLESS STRAIN EXHIBITION WHITE LEGHORN COCKERELS

The tornado of last Spring destroyed three of my largest houses and as I shall not rebuild until Spring, I am compelled to close out immediately more than 200 big, strong, healthy and as pretty a lot of cockerels as one could find on any farm in America. This statement is made conservatively and to appreciate the values offered in this sale one must see the birds themselves. They must be sold before severe weather sets in, and I have culled so closely that even a small sum will bring you a very high-class bird. **SEND ME \$2.50, \$3.00, \$10, \$15 or \$25 for a cockerel to be delivered before January 1st and I will ship you a bird worth two to five times the amount paid.** Then, if you are not highly pleased, return him and I will refund your money—each of us to pay the express one way. Imagine getting a \$5 or \$10 cockerel for only \$2.50, or a bird that would ordinarily bring me \$25 for only \$10. The \$15 and \$25 birds are simply immense. This is your opportunity to get a winner for your show and make a big paying investment.

### A MOST IMPORTANT FEATURE OF THIS SALE

All the cockerels have been reared on open range, fed largely on Spratt's Patent Foods, and there is not a sick bird nor a bird that ever has been sick on the place. No strain is superior to Peerless Strain for production of large white eggs and lots of them. Don't wait until the last minute, but order now so that I will not have to put up temporary quarters for these birds. It will be well worth while. I know that I can please you and will ship C. O. D. if you prefer.

Remember, I have furnished the big winners for years. See other adv.

**LEON C. HUNTINGTON, Box 12-B, OMAHA, NEBRASKA**

State Vice-Pres. Nat. S.C.W. Leghorn Club. Candidate for Pres. Nat. S.C.W. Leghorn Club. Spec. breeder S.C.W. Leghorns since 1897.



# Associations and Shows

Secretaries are Requested to Send in News Items of Interest About Their Shows for This Department

## New Members American Poultry Association.

M. S. Babcock, Battle Creek, Mich.  
 Frank W. Thorpe, Jackson, Mich.  
 Conrad J. Burkman, Birmingham, Mich.  
 Robt. D. Cox, Lapeer, Mich.  
 Claude A. Short, Alpena, Mich.  
 Grand Haven Poultry Association, Grand Haven, Mich.  
 Herbert C. Faulkner, Marshall, Mich.  
 C. E. George, Union City, Mich.  
 Fred A. Hinds, Battle Creek, Mich.  
 Archie N. Merchant, Battle Creek, Mich.  
 John Conroy, Battle Creek, Mich.  
 A. T. McNaughton, Battle Creek, Mich.  
 R. S. Laurence, Battle Creek, Mich.  
 DeLloyd Schell, Battle Creek, Mich.  
 Geo. D. Cooley, Battle Creek, Mich.  
 H. W. Allwardt, Battle Creek, Mich.  
 Harry S. Parker, Battle Creek, Mich.  
 Wm. H. Hart, Battle Creek, Mich.  
 Savanna Poultry Assn., Savanna, Ill.  
 Chas. Thorgren, Chicago, Ill.  
 A. W. Shriver, Bradford, Ill.  
 Chester Jack, Streator, Ill.  
 David P. Marshall, Streator, Ill.  
 J. W. Thompson, Champaign, Ill.  
 Central Illinois Poultry Assn., Bloomington, Ill.  
 Lanark Poultry, Pet Stock & Grain Assn., Lanark, Ill.  
 Roy H. Waterman, Barrington, Ill.  
 Frank C. Cole, Van Wert, Ohio.  
 Barberton Poultry Assn., Barberton, Ohio.  
 Arthur Neville, Cuyahoga Falls, Ohio.  
 S. E. Wurst, Elyria, Ohio.  
 E. C. Peck, Macedonia, Ohio.  
 M. O. Perkins, Medina, Ohio.  
 Thos. H. Ewing, Creston, Ohio.  
 Port Clinton Fanciers' Assn., Port Clinton, Ohio.  
 Edw. S. Bronson, Defiance, Ohio.  
 Mrs. H. P. Smith, Piqua, Ohio.  
 C. H. Schref, Elizabeth, N. J.

A. H. Faulkner, Millington, N. J.  
 Milton J. Waas, Stratford, N. J.  
 T. A. Havemeyer, Mahwah, N. J.  
 Wm. L. Campbell, Wilburtha, N. J.  
 Chas. J. Fisk, Plainfield, N. J.  
 Cornelius A. Kievit, Paterson, N. J.  
 Arthur W. Bishop, Paterson, N. J.  
 W. L. Wynne Darwell, Eastport, N. Y.  
 James O. Moore, Buffalo, N. Y.  
 C. A. Starbuck, Croton-on-Hudson, N. Y.  
 The Ancona Club, Franklinville, N. Y.  
 Louis B. Schram, Brooklyn, N. Y.  
 Fred E. Warren, Watertown, N. Y.  
 LaPorte County Poultry Assn., Laporte, Ind.  
 Jennings County Poultry Assn., No. Vernon, Ind.  
 G. G. Billman, Sullivan, Ind.  
 Henry Youngmans, Vincennes, Ind.  
 B. C. Imhoff, Auburn, Ind.  
 Wakarusa Poultry Assn., Wakarusa, Ind.  
 Arthur T. Jenkins, Philadelphia, Pa.  
 J. H. Belanger, Houma, La.  
 E. E. Quinby, Eugene, Ore.  
 Chas. E. Perry, LaGrande, Ore.  
 Elmer Paine, Eugene, Ore.  
 Roy Warfield, Alsea, Ore.  
 H. W. Truesdell, Eugene, Ore.  
 E. H. Fairburn, Fonda, Iowa.  
 Gilbert Poultry Breeders' Assn., Gilbert Station, Iowa.  
 Martin Christopher, Decorah, Iowa.  
 Dyersville Poultry & Pet Stock Assn., Dyersville, Iowa.  
 Chas. T. Millard, Storm Lake, Iowa.  
 John I. Broadrick, Naugatuck, Conn.  
 Geo. E. White, Andover, Conn.  
 Charles W. Cooke, Waterbury, Conn.  
 A. J. Clark, New Haven, Conn.  
 S. G. McLean, So. Glastonbury, Conn.  
 Connecticut Valley Poultry Assn., Bel-  
 lows Falls, Vt.  
 Edw. R. Flint, Tunbridge, Vt.  
 Chas. E. Tuttle, Rutland, Vt.  
 Ralph H. Peck, West Rutland, Vt.  
 Walter K. Farnsworth, Rutland, Vt.

A. B. Goodrick, Antigo, Wis.  
 E. Claire Roberts, Fort Atkinson, Wis.  
 Peter J. Oile, Racine, Wis.  
 Central Wisconsin Poultry Assn., Wausau, Wis.  
 Mrs. Guy Blencoe, Alma Center, Wis.  
 S. Q. Hollingsworth, Shreveport, La.  
 Dr. J. J. Ayo, Bowie, La.  
 Terrebonne Agr. & Live Stock Fair, Houma, La.  
 Geo. J. Gueno, Houma, La.  
 Mr. Bellow, New Decatur, Ala.  
 Mrs. Maude Stout, Decatur, Ala.  
 James A. Dunlap, Birmingham, Ala.  
 G. F. Riddle, Birmingham, Ala.  
 Jno. O. Reid, Stanford, Ky.  
 C. S. Lyon, Stanford, Ky.  
 J. M. Morris, Lexington, Ky.  
 Chas. A. Worthington, Abington, Pa.  
 Fayette Poultry Assn., Uniontown, Pa.  
 Central Penna. Poultry Assn., Harrisburg, Pa.  
 J. D. Griffen, Portsmouth, Va.  
 F. H. S. Morrison, Richmond, Va.  
 Orange County Fair Assn., Orlando, Fla.  
 F. W. R. Hinman, Jacksonville, Fla.  
 Pittsburg County Poultry Assn., McAlester, Okla.  
 Walter Gammage, Colville, Wash.  
 Ed. S. Whitehead, Jefferson City, Mo.  
 Guadalupe Valley Poultry Assn., New Braunfels, Tex.  
 Kindred Poultry Assn., Kindred, N. Dak.  
 J. W. Lee, Batesville, Miss.  
 Alfred Mitchell, Garfield, Utah.  
 S. Ernest Pollock, Silver City, N. M.  
 John H. Northup, Jr., Apponaug, R. I.  
 Dudley Martin, Selby, S. Dak.  
 Dodge County Poultry Assn., Fremont, Nebr.  
 Feliciano Ferreira de Moraes, San Paulo, Brazil.  
 The State of Vermont applies for a branch charter.

Did you touch second base? If not hurry to back inside cover

## PERFECTION WHITE WYANDOTTES

SUPERIOR TO OTHERS—THE ACME OF PERFECTION—Send ten cents postage for illustrated art catalogue telling how I raise my prize winners. Mention A. P. J.

GEO. H. RUDY

ROUTE 15

MATTOON, ILLINOIS

## Golden Sheaf Strain

Eggs from our prize winning pens headed by Chicago, Indianapolis, Louisville, Cincinnati, Youngstown and many other noted winners.

Neduseb Poultry Farm, R. R. 2,



## BUFF ROCKS

Many of our best breeders after June first will be for sale cheap to make room for young stock. Mention A. P. J.

Box 49, Dept. B, Sharonville, O.

## I Must Sell 500 Peerless Strain White Leghorn Hens and Pullets Before Jan. 1, 1914.

Last month I told you why I must close out 75 per cent of my birds before the New Year. Elsewhere in this issue I offer you cockerels at unmatchable bargain prices for the quality. Here I claim to offer in this sale 500 as healthy and productive and pretty White Leghorn females as one could find anywhere. My custom of culling slow-growing pullets as freely as undesirable cockerels and introducing new blood from the finest available strains each season has given excellent results, and I really am losing a lot of money on account of being forced to let these hens and pullets go at this time for what they will bring.

**SPECIAL OFFER**—12 clean cut, pure white, splendid pullets, late hatched, but will be laying in January or February, only \$18.00.

**SPECIAL OFFER**—12 fine, big hens of 1911 and 1912 hatch, birds that were in my last season's matings, every one a good layer and of good type—for the twelve, only \$18.00.

**SPECIAL OFFER**—15 yearling hens or early laying pullets, or part of each, the same class of birds you would ordinarily expect for \$3.00 to \$5.00 each—my price for the fifteen birds, \$32.00.

**NOTE**—With each order for combinations above, I will include a splendid cockerel without charge. The cockerel alone would be \$5 to \$10 ordinarily. **ALL SHIPMENTS ON APPROVAL**—If you are not more than pleased with the birds I send you, return them promptly and your money will be refunded, less the express charge only one way. In making a comparison of prices, please bear in mind that all of the birds offered you in this sale are not only extra healthy and vigorous, but have an ancestry of Blue Ribbon Winners at New York, Chicago, Kansas City and other large shows. Write for corresponding low prices on the highest type exhibition females, exhibition pens, etc.

LEON C. HUNTINGTON

Box 12-B

OMAHA, NEBRASKA



## Notice

Single Comb White Leghorns and White Runners, exhibition and utility stock at bargain prices. Mention Am. Poultry Journal.

JAS. R. SNYDER, BOX 0, FRAZER, MISSOURI

## THORNILEY'S ANCONAS

Greatest winter layers of large white eggs. Stock and eggs at a bargain. Catalog free. Mention A. P. J. Willard J. Thorniley, R. F. D. 1, Box 36, Marietta, O.

## FOR THE VERY BEST

IN COLUMBIAN AND SILVER WYANDOTTES, ADDRESS

J. F. VAN ALSTYNE, NIVERVILLE, NEW YORK

## FISHER'S BUFF ORPINGTONS

Are known America over, winning at all the prominent shows, including Madison Square Garden, Chicago, Cleveland, etc. Mention A. P. J. when writing. C. E. Fisher, Box 391, McConnellsville, O.

## Barred Plymouth Rocks

of highest quality. Record breaking layers. Write your wants for the early shows. Maple Grange Poultry Yards, S. M. Coulter, Moorestown, N. J.

## FOGG'S S. C. WHITE LEGHORNS

At special summer prices. Breeding stock and young birds. Write us your wants.

N. V. FOGG - Box R - MT. STERLING, KY.

## Barry Farm

### S. C. White Leghorns

H. R. BARRY, Owner

Box 117 Far Hills, N. J.

## White-Wyandottes-White

Won at Illinois State Show, 1913, on three entrees 4th hen and 4th pullet; at Inter-State Show, Petersburg, Ill., made a clean sweep, winning all first and second premiums. A grand lot of cockerels and pullets for the early shows, get my prices.

O. A. CARMAN PETERSBURG, ILLINOIS

Made by the World's Largest Manufacturer of Ready Roofings

## Certain-teed

### Roofing

Guaranteed 15 years—lasts longer

## OKE'S HAMBURGS & BANTAMS WIN

"The world over"—Boston, New York, Baltimore, Toronto, all great shows. Golden and Silver Penciled and Spangled and Black Hamburgs, Seabright, Black and White Rose Comb and Jap Bantams. Eggs \$5 per setting. Write your wants.

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## Get Acquainted



Modern advertisers rightfully expect the publications in which they buy space to guarantee and prove the circulation of each and every issue. Certain such papers are known as the **Progressive Poultry Papers**.

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## Of Real Interest to You.

There may have been a time in the past when more interest in the poultry show has been manifested, but when?

There may have been a time when the breeder of poultry was as wise in his calling as now, but when?

There is one thing that is coming to pass faster than some of us realize and that is that the day of "putting over" anything on the "chicken man" has gone, and the fellow who tries it is beaten before he starts.

The one particular thing we want to set forth is this: Have the poultry shows done as much real good to those for whom they should bend their greatest efforts, as they should? If not, why not? Have not too many shows lead for the reason of their existence the pleasing of some local idea or some man's fancy that he could run a show just a little better than the other fellow? In other words how many poultry shows of any size and importance are held solely in the interests of the exhibitors, and by "his interests"? I mean a show that has as its first and last thought, what can be done in so arranging the classes, the premiums and the selecting of judges that the result cannot fail to be of direct benefit to the exhibitor who has had enough experience in the show room to know fairness and squareness when he sees it.

The day is right here, my friends, when the only method in the poultry show business that will hold water, is the method that does not value a bigger claim in any particular than it can fulfill—that keeps its eye on the interests of the exhibitor and does not take it off. If a poultry show does its best service it certainly should make every effort to better the interests of the very man who makes a poultry show possible. It is with these thoughts in mind and some others in addition that has been the backbone of the poultry exhibition of Pittsburgh, and if there has ever been held any more generally satisfactory exhibition of poultry anywhere than has been held by them, we do not know it. There can be no more favorable conditions under which an exhibitor can show his birds than at that big exposition show in Pittsburgh, January 19 to 24. Entries close January 5, 1914. W. P. Craig is the secretary, and his address is Empire Bldg., Pittsburgh, Pa.

## Illinois State Show.

The Illinois State Poultry Show has established a new department for the benefit of its exhibitors. It has created a sales department, with Theo. Bates, of Pittsfield, as the superintendent in charge.

It will be the duty of Mr. Bates to attend to sales of stock for exhibitors who cannot come to Springfield or those who may not be in attendance at the show at all times. He will have an office in the Information Bureau Booth inside the show room and he or his assistant can be found there at all times. Mr. Bates is an experienced fancier and one well qualified to look after the interest of exhibitors.

Another feature that will be of interest to visiting poultrymen will be the Information Bureau Booth, in which the superintendent, the sales manager and a representative of the secretary's office will be found. The booth will be large enough to supply a resting place for exhibitors.

Entries will close December 26, 1913. Catalogs can be had on application to Theo. S. McCoy, Golconda, Ill., after November 15. Don't forget the Illinois State Show, Springfield, Ill., January 5-10, 1914, in making up your lists of shows at which you will exhibit.

## National Fanciers' Club Show.

At no previous time, this far in advance of the great National Fanciers' Club Show, to be held at Indianapolis, Ind., January 10 to 16, 1914, have there been so many requests for premium lists and entry blanks received. This indicates a wide-spread interest in the big poultry exhibition, and from every indication the entry will reach at least 3,000 birds. The National Fanciers' Club Show is the recognized big central show of the country, and ranks along with the Chicago, New York, Boston and other big eastern shows. Thirty states were represented at this show last year and it is expected that the total number of states represented this year will exceed that number. Mr. H. C. Dippel, secretary of the National Fanciers' Club Show, and who has just returned from an extensive judging trip at the fall fairs in the south, reports a large entry coming to Indianapolis in January from that section of the country. Send today for premium list and entry blanks of the National Fanciers' Club Show. Address H. C. Dippel, secretary, 114 N. Delaware St., Indianapolis, Ind.

## Official Marked Catalogue of the Coliseum Show.

Readers of the American Poultry Journal who may not attend the Coliseum show December 12 to 17, 1913, may secure a marked copy of the catalogue by sending 35 cents in stamps or coin to Theo. Hewes, secretary, Indianapolis, Ind.

This catalog gives name and address of all exhibitors, number of birds in each class, and the correct list of winnings. The marked catalogue will be mailed from Chicago Monday, December 16, before the show closes.

The Freeport Poultry & Pet Stock Association, Freeport, Illinois, have completed all arrangements for holding their show, Dec. 15-20, 1913. Coops will be furnished free to the exhibitors. Geo. A. Hehl, judge; judging will be done by comparison. For premium list address the secretary, Paul Wurtzel, Freeport, Ill.

The Jackson Poultry Association, Jackson, Mich., will hold its annual exhibition Dec. 27, 1913-Jan. 1, 1914, at Jackson Mich. W. S. Russell, judge. W. O. Wellman, secretary, Jackson, Mich.

## GRAND CHAMPION Columbian Wyandottes

GEORGE A. KERSTEN, Washburn Park, Minneapolis, Minn.

## McCLAVE'S LINWOOD POULTRY FARM

The home of high class prize-winning Rocks, Wyandottes, Orpingtons, Leghorns, Turkeys, Ducks and Geese. Highest quality at reasonable prices. Write Chas. McClave, Box A, New London, Ohio

## COL. WYANDOTTES

Beautiful—Profitable—Great Winter Layers—Prizes at leading shows. Stock and eggs for sale. State what you want. Circular free. H. H. Hewitt, Box 427, Williamsburg, Pennsylvania.

## ADJUSTABLE CLINCH — NO BETTER Poultry Leg Bands Made

25, 20c; 50, 35c; 75, 50c; 100, 65c; 200, \$1.00. No stamps taken. Frank Cross, Manufacturer, Box 506, Montague, Massachusetts

## THE "SIGNET" LEG BAND

is in the lead, its the one you need. Price 12-15c; 25-20c; 50-35c; 100-60c. "Silver Tip" Pliers made for putting on bands, price 10c. 3c extra for postage. Mention A. P. J.

W. J. BALL, SALEM, OHIO

## WARM WATER---GET EGGS

A Little Putnam Stove; 9 inches diameter; 4 inches high; fire proof; keeps poultry fountains from freezing in coldest weather; holds 3 pints oil; burns a month without refilling or trimming; prevents frosted combs; extra eggs pay for stove every week. Used in empty box makes perfect out sprouter. Price \$1.00 post paid. Satisfaction or money back. Canvassers wanted every where, and an agent at all poultry shows. Circulars with testimonials free. I. Putnam, Route 105, Elmira, N. Y.

## \$60 PER HEN PER YEAR

SEND A POST CARD TODAY for The "Why and How" of the Miller System. You will see that we positively guarantee each hen will net \$60 per year. Show our guarantee to your lawyer. Address MILLER SYSTEM COMPANY, 15 7th St., Binghamton, N. Y.



FREE BOOK

## BROWN LEGHORNS

Three first cockerels and two first cocks, Chicago, 1909-10-11. June Bargains in Best Brown Leghorns—\$10.00 eggs now \$5 per 15, \$5.00 now \$2.50. Not too late to hatch winners for winter shows. Free circular. Address W. H. Wiebke, Box P-348, Fort Wayne, Indiana.

## Don't Feed Green Food!

## Succulenta Tablets

They are better and cheaper and more relished by all fowl. Simply dissolve one tablet in one quart drinking water for fowl. Sample can (100 large tablets) by mail 50c. Can of 250 large tablets by mail \$1.00. YOUR MONEY BACK IF NOT SATISFIED. Drop postal for particulars to The Succulenta Co., P. O. Box 405-1, Newark, N. J.



### Buffalo's Great International Show, January 12 to 17.

If you have not received a premium list of this show by December 10, send in your request at once, if you wish to be numbered among the exhibitors at this show.

By special arrangements every exhibitor can be assured a cash special, whether he makes a winning or not.

Entries will close December 29.

This show is backed by 600 poultry fanciers in Buffalo. It has adopted as its slogan, "7th Show—Greater Than Ever." Stanley A. Merkley, 35 Coal & Iron Exchange, Buffalo, N. Y.

The Virginia branch of the American Black Orpington Club will hold its annual meeting and show in connection with the Virginia Poultry Association Ninth Annual Show, to be held in Richmond, Va., December 9-12, 1913. To boost the club is to boost your own business. You can become a member of the club any time before the opening of the show and be ready to compete for the specials by paying the annual dues of \$1.00. Applications may be sent to Ora Overholser, secretary-treasurer, Eaton, Ohio.

The Quality Show of Cleveland will be held in Gray's Armory January 5 to 10, 1914. The success of this show is assured when the list of specialty clubs will hold their state meets, and the following list will show: The Ancona Club of America, the Black Orpington Club (American), the American White Plymouth Rock Club, the American Black Minorca Club, National White Wyandotte Club, American Buff Plymouth Rock Club. Meeting will also be called by the Campine Breeders of Ohio, to organize for this state, and the Red Club is also a possibility, but was not definitely settled when this article went to print.

The Cleveland Poultry Breeders offer a handsome cash bonus for 100 to 150 birds to the above specialty clubs, and will give each club a handsome silver loving cup and all

breeders of the above varieties will be requested by the various secretaries of the clubs to write A. E. Rebburg, secretary, West 25th Street, for premium list, and make as large an entry as possible. The motto of this quality show has met with universal favor, "The best bird will win." Judges Frank L. Platt, George Webb, J. E. Gault, L. A. Stream, A. H. Emch, Len Lanius.

The fourth annual exhibition of the Waterford Poultry Association will be held at Waterford, Wis., February 2 to 7, 1914. The officers elected recently are Alb. Topp, president; H. W. Halbach, secretary. Mr. F. J. Albrecht is superintendent of the show. Plans have been laid to make this the best show and especially of the highest quality that has ever been put on. Those who know the quality it takes to win at Waterford realize that a winning made there is a very valuable asset in advertising. Judge James A. Tucker of Concord, Mich., has been selected to place the awards by comparison. This will give you an opportunity to have your birds handled by a leader among judges. For premium list address H. W. Halbach, Waterford, Wis.

The Missouri State Poultry Show and the Kansas City Poultry Show have combined and will hold one of the largest and best shows in the history of Missouri at Kansas

in connection with the Fifth Annual Exhibition of the Great Mid-West Poultry and Pet Stock Association. For further information address H. L. Peck, secretary, Box 86, Champaign, Ill.

## Darling's Meat Scraps

are best. Our book will tell you why. Write for it. Mention American Poultry Journal.

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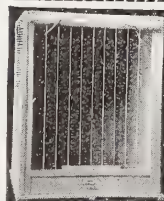
All colors, all sizes, for all fowls, and pigeons. Birds identified without handling. Saves time and labor. Baby chick bands 18 colors, not numbered. The best band in the world to-day. Samples and catalog 2c stamp. Mention A. P. J.

A. P. Spiller : Dept. A : Beverly, Mass.

## F. L. Poultry Farm

Rhode Island Reds (both combs) now on sale, young and old stock, some crackerjacks. Write your wants. Mention A. P. J.

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or in fact anything in the  
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my catalog and prices.  
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Trap-Nests, Chick Boxes, Lice Re-  
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The ideal dog for the Poultry Keeper or Suburbanite. Fine ratters, hunters and watch dogs. Not afraid of anything. Gentle and obedient to his master, kind and playful with children. Kennel headed Imported Tintern Perform—a trained hunter. Young and adult stock for sale. Write for particulars.  
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## Partridge Rocks and Buff Orpingtons

Am offering for quick disposal some rare bargains in Partridge Rock and Buff Orpington pullets. Also have a few fine Golden Pheasants to spare.

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## S. C. Wh. Leghorns

A \$10,000 S. C. White  
Leghorn Farm in Missouri

We have 2,000 females to spare. Pullets, 1-year and 2-year old hens and 100 cockerels. Catalogue free; correspondence solicited. Address

Bella Vista Farm, Kimmswick, Mo.

## OLLE'S Wh. & Partridge Rocks

Chicago Winners, offering some grand \$10 and \$15 trios, \$25 pens; also single birds. These birds will be shipped on approval. Catalogue free for asking.

P. J. Olle, R. 4, Box 111A, Racine, Wis.

We are manufacturers and headquarters for

## Meat Scraps and Poultry Bone

**Hines Bros. Company**  
Dept. 1 Union Stock Yards Chicago



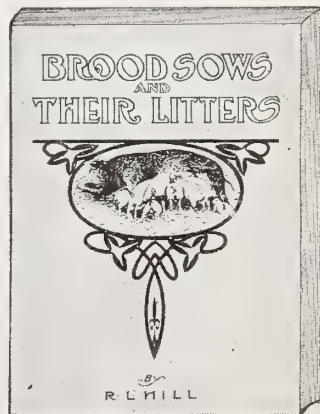
A three months old daughter of "Lady Beautiful," first prize hen at the M. S. Garden, New York, Show, 1913. Lady Beautiful also won the shape special, and besides winning first prize also at Philadelphia, Dec., 1912, won special for best hen in the entire show. This pullet is but one of the many daughters of quality she has produced. In color and style of barring they are ideals. Mr. C. N. Myers, Hanover, Pa., the owner and breeder, has made a pronounced success in breeding and has a pullet line of exceptional value.—H. P. Schwab.

City, Missouri, Dec. 11-16, 1913. They are offering 100 cups and \$500 in cash specials in addition to their regular cash premiums, which are very liberal. The Kansas City Poultry Show owns 4,000 coops and has over \$4,000 invested in coops and other show property. They have secured the services of a large number of the best judges in the country to place the awards and they have limited the entries to 5,000. Everyone interested in poultry in the western territory should make a point to visit this show.

Owing to long and serious illness in his family, and press of business, James V. Johnson has resigned from the office of secretary-treasurer of the White Plymouth Rock Club, and Mr. M. T. Schulte of Bartlett, Tenn., has been appointed to succeed him, and he has taken charge of the club's affairs.

There will be a meeting of Blue Andalusian breeders at the Coliseum building, Chicago, Ill., Tuesday morning, December 16th at 11 o'clock. This will be held

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### Brood Sows and Their Litters

The book tells what, when and how to feed; how to select brood sows, how to breed them and how to handle and care for the litters. It is a practical book compiled from the experience of expert breeders and written by R. L. Hill, the prominent writer who has a well-earned reputation of combining scientific practice with practical experience to produce best results. This book is written in plain language, fully indexed, with illustrations of all the leading types of hogs, hog houses, etc., and is handsomely bound.

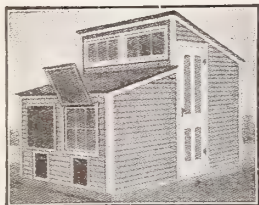
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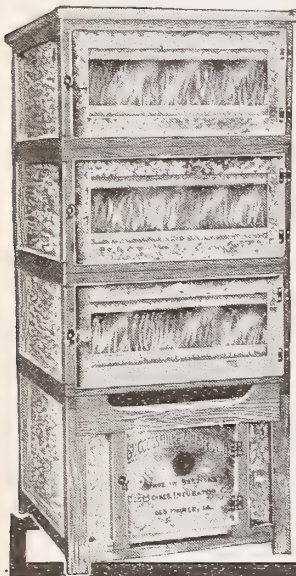
## Dyer's Portable Houses

Are Used Exclusively On Many Large Poultry Farms.

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## Think of This!

**Finest Egg-Making Feed—Fresh Green Feed—For Less than 10 Cents a Bushel!**

### Here's How To Get It!

Sprout grain! Do it with the aid of the "Successful" Grain Sprouter—the original grain sprouter—the first one ever made and the first one marketed—the leader of them all! It is made in sections—capacity from 50 to 500 hens. Makes money for both little and big poultry raisers. Gives each just the size each needs. Grows as your needs grow. Made of all steel throughout. Double steel walls. The newest, best idea in sprouter construction—being positively fire-proof and absolutely safe.

### "Successful" Grain Sprouter

can't warp, shrink or swell, like other sprouters. Prevents moulding of food. Made with large glass doors—metal trays. No wood to rot. Lasts practically forever. With it you can make 1 bushel oats go as far as 3 bushels ordinarily. You turn your idle hens into industrious egg-layers just at the time egg prices are highest! Makes early winter hatches possible. And it sprouts grain in 24 hours! Gives an inch of crisp green sprouts every day after that! Sprouts wheat or rye. Makes winter chicks thrive wondrously—protects their health—saves usual loss of chicks in winter—assures quicker maturity—enables you to sell chickens earlier when prices are highest. Write for the facts—find out for yourself. Get our Free Book.

Des Moines Incubator Co., 561 Third St., Des Moines, Iowa

## MADISON SQUARE GARDEN, N. Y., CHAMPION WHITE PLYMOUTH ROCKS

**They Have Won and Improved  
Year by Year**

### NOW THEY ARE BETTER THAN EVER

We can please you with exhibition stock so if you wish to win write us and let us make you a proposition which means money to you. Grandcocks and hens and a great lot of choice young that will meet any demand made upon them. A few more selected breeders to sell. Write your wants and let us tell you what we can do for you. Mated trios and pens a specialty. We will please you if you are interested.

### Remember This "Champion" Line

Made its records and reputation at America's greatest show, Madison Square Garden, New York. For several years at Cleveland, Ohio, Philadelphia, Williamsport, Chicago, etc., color and shape specials have been won at all exhibits and we have won five championship specials for best bird in entire shows. Consider this and write us your wants. Absolute satisfaction assured.

**Webster Farm, Box A, Girard, Pennsylvania**

## Lichtenwalter's Quality Buff Ply. Rocks

They have won at more prominent shows the country over than any other line. Last season they were prominent winners at Madison Square Garden, New York, Springfield, Illinois, (Club Show), Philadelphia, Cleveland, Williamsport, etc. I have birds of quality in old and young and can sell you exhibition birds and selected breeders, assuring satisfaction.

**E. A. Lichtenwalter : Box A : Girard, Pennsylvania**

### 25 Years With Silver Wyandottes.

A. and E. Tarbox, Box A, Yorkville, Ill., have bred Silver Wyandottes continually for the past 25 years. The other day we visited this farm and found over 900 Silvers, the best we ever saw. Every bird was in show condition. Standard breeding is not all these birds possess. During the first six months of the Missouri Egg-Laying Contest the Tarbox pen held second place. One of their hens laid 187 eggs in nine and one-half months of the contest. Tarbox Bros. do not sell eggs for hatching, but can furnish birds for any competition.

### R. C. Brown Leghorns.

The R. C. Brown Leghorns are one of our oldest varieties and have always been general favorites with a large number of breeders. Of these W. W. Kulp, Pottstown, Pa., is one of the best known and has been breeding them with success as long as we can remember.

We just have word from him that he has just made his second shipment of birds to New Zealand where they will arrive in time to lay eggs for the new owner's Xmas dinner.

Mr. Kulp has always been a practical as well as a fancy breeder and has particularly bred his line up to a heavy-laying strain for which they are today noted.—H. P. Schwab.

### Huntington's Big Sale.

It is rare that our readers have such an opportunity to buy S. C. White Leghorns at such exceptional bargains as are now offered for the month of December by Leon C. Huntington, Box 12 B, Omaha, Neb., one of the largest exclusive breeders of S. C. White Leghorns in America. For years this fancier has been building up a strain that for egg production has never been excelled—coupled with standard type and rare exhibition quality, as is proven by his show record at many of the greatest shows. No matter what quality you may desire, write Huntington for prices and remember that he ships on approval. We just have word that Mr. Huntington's name is on the ballot for president of the National Single Comb White Leghorn Club.

The executive board of the American Campine Club being desirous to increase the membership of the club, has decided that no initiation fee be charged to those who apply before January 1, 1914. \$1.00 paid before that time entitles applicant to one copy of Campine Standard and covers dues to December 31, 1914. The club has a membership of over 400. This membership will without doubt be increased to 1,000 members within the next few months. M. R. Jacobus, secretary-treasurer, Ridgefield, N. J.

"Get right on poultry supplies." Before spending another cent for equipment, write Otis & Moe Manufacturing Co., Otis building, Chicago, for latest catalogue. They manufacture Moe's line of useful devices, invented by a successful breeder for his own needs and they are what you want.

The Silver Wyandotte Club will have their annual meet in connection with the Baltimore show January 6 to 10, 1914. For membership or information regarding club matters, address H. J. Coette, secretary-treasurer, St. Paul, Minn.

The Barborton Poultry Association will hold its annual show at Barborton, Ohio, Jan. 20-24, 1914. This is a new association and is composed of 50 enthusiastic poultry fanciers of Barborton and vicinity. H. C. Miller will place the awards. For catalog address E. W. Arnold, secretary, Barborton, Ohio.

The Central Louisiana Poultry & Pet Stock Association will hold its annual exhibition at Alexandria, Louisiana, Dec. 17-20, 1913. For catalog and premium list write the secretary, W. H. McCrackin.

The Gallion Poultry Fanciers' Association will hold its fourth annual show at Gallion, Ohio, Dec. 15-19, 1913. D. D. Whitaker and Carl C. Beatty, judges. W. M. Huffman, secretary, Gallion, Ohio.

The Batavia Poultry Association will hold its third annual show at Batavia, Ill., Dec. 18-20, 1913. C. L. Barrick, judge. J. A. Pierce, secretary, Batavia, Ill.

Lyle Poultry Association will hold its third annual show at Lyle, Minnesota, Dec. 8-12, 1913. Prof. A. C. Smith, judge. Wm. Nordland, secretary, Lyle, Minn.



The Western Poultry Fanciers' Association will have the honor of entertaining the annual meeting of the National White Wyandotte Club, and will offer in cash \$250 in prize money and two valuable trophy cups. This announcement will interest every breeder of White Wyandottes and all should join in making this one of the greatest classes of White Wyandottes ever shown in America. The dates are: January 12-17, 1914. For premium list address E. D. Monilaw, Secretary, Cedar Rapids, Iowa.

The 1914 catalogue of the American Buff Wyandotte Club will go to press in January. For several years past, this club has been issuing the handsomest specialty club catalogue and expect to keep up the record. Those who join now can have their names listed in the new catalogue. Give us a chance to show you how it will pay you to become a member of the American Buff Wyandotte Club. Write at once for full information and application blanks. J. E. Willmarth, Secretary, Amityville, N. Y.

The twentieth annual meeting of the American Black Minorca Club will be held in connection with the third annual show of the Poultry Exhibition of Pittsburgh at Pittsburgh, Pa., between the 19th and 24th of January, 1914. The business meeting of the club will be called at 2 p. m. January 20th and a large attendance of members is desired on account of the unusually large amount of important business which will be taken up at this time. Marcus Allen Northup, Secy., American Black Minorca Club, Orangeburg, N. Y.

The Lima Poultry Fanciers' Association will hold its annual exhibition at Lima, Ohio, Jan. 5-10, 1914. This association will combine with the Corn Growers' Association and the Farmers' Progressive League, to be held in the Memorial Hall on the dates mentioned. For further particulars address C. E. Morrow, secretary, Lima, Ohio.

The Illinois branch of the National S. C. Buff Orpington Club will hold its annual show in connection with the regular state show at Springfield, January 5-11. Judge Johnson will place the awards on this variety. If not already a member of the state branch send in your application to A. B. Porter, secretary-treasurer, La Salle, Ill.

The second annual meeting of The Rhode Island White Club of America will be held at Pittsburgh, Pa., on Wednesday, January 21, 1914, at 1 o'clock p. m. Send \$1.00 to Mrs. C. M. Vertrees, Secy.-Treas., Cecilia, Ky., and she will issue you a membership card good to November 1, 1914.

The New England meet of the International Ancona Club will this year be held at New Haven, Conn. Send \$1.00 for club dues to Robt. A. Tierney, Secretary, 1555 East 82nd street, Cleveland, O., and write for premium list to Charles S. Scoville, 155 Church street, New Haven, Conn.

The National Black Langshan Club will hold its annual meeting and club show at Rochester, N. Y., December 15-20. If you breed Langshans and are not a club member, join at once. Membership free \$1.00, which pays you to October 1, 1914. Address John A. Rhodes, secretary, Cedar Rapids, Iowa.

The big show of Illinois will be held Dec. 22-27, 1913, at Lanark, Ill. Breeders, don't fail to make an exhibit and secure a score card by the veteran judge, Chas. McClave. Ample room for 2,000 birds. Send for premium list at once to J. A. Shaner, secretary, Lanark, Ill.

"Get right on poultry supplies." Before spending another cent for equipment, write Otis & Moe Manufacturing Co., Otis building, Chicago, for latest catalogue. They manufacture Moe's line of useful devices, invented by a successful breeder for his own needs and they are what you want.

The Savanna Poultry Association will hold its annual show Jan. 8-12, 1914. Charles McClave, judge. W. H. Griffith, secretary, Savanna, Ill.

**FREE BOOK DESTROY VERMIN**

Drop us a post card for our FREE BOOK telling all about our most effective method of killing LICE, ROACHES, BED BUGS, etc. Our method is now in use by over 6,000 hotels and institutions. Write for FREE BOOK. The Insectolene Co., Dept. P, Box 113, Chicago, Ill.

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BOX A

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## Single Comb White Leghorns

At the Great Ill. State Show, 1913, in the keenest competition ever seen at this show, my Leghorns won 1st Cockerel; "Champion Male", shape and color specials on male, also 3d, Cock; 2d Hen; 2d and 5th Pullet; 4th Pen. Cockerels that will win for you at the coming shows, also Hens and Pullets of grand quality, at right prices.

A. D. TAYLOR

R. 5

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Egg and Chick shipping Boxes. Order from this Advertisement. Prices Exhibition Coops Shipped K. D. No. 1, for 1 Bird, \$1.25, No. 2, for Pens, \$2.25. FOWL SHIPPING Coops Made Light Wood, Shipped K. D. No. 112 Size 12 x 12 x 18 inches \$3 dozen. No. 114 Size 20 x 20 x 20 inches \$4.50 doz. Catalogue free All kinds of Boxes, Coops, Brooder Outfits, Heaters, Cookers, Whitewashers, Incubators, Etc.

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### PAPE'S Strain SINGLE COMB Black Minorcas

hold the WORLD'S RECORD by winning best display at Chicago, New York, Memphis, New Orleans, Michigan and Illinois State Fairs.

#### A Festival of Bargains

Show birds that will win anywhere; cockerels that will improve any flock, and breeding stock of the rarest quality at introductory prices. As a table fowl their meat is juicy and well flavored. The eastern market is now paying 15 cents a dozen more for our "large white eggs" than they are offering for any other kind or color. Free catalogue.

CHARLES G. PAPE, FORT WAYNE, INDIANA

## AMERICA'S BEST COCHIN BANTAMS

BLACK, BUFF, PARTRIDGE, WHITE

Have never known defeat in the Show Room and during the past few weeks they met and defeated many Noted Breeders from the north, east and west in three of the greatest Fall Fairs.

Cleveland, Ohio, August 25-29, 1913 (Forest City Fair), they won 10 firsts, 10 seconds and 3 thirds, winning twice as many points as their nearest competitors. One week later at the Great Indiana State Fair, September 8-12, 1913, in competition with one hundred and thirty-three (133) specimens, America's Best won 19 firsts, 11 seconds and 10 thirds, winning three times as many points as all their competitors combined.

After accomplishing these two (2) marvelous victories they were not satisfied. Hence, a month later they took a trip to the greatest of all Fall Fairs, Illinois State Fair, October 6-11, 1913, and on all eight (8) entries won 8 firsts in the largest and best class of Cochins Bantams ever exhibited in Illinois.

At three of the greatest Fall Fairs America's Best Cochins Bantams won nine (9) times as many firsts and twice as many points as all their competitors combined.

From these noted winners we have Five Hundred (500) of the most wonderful specimens ever reared to offer our customers this fall and winter. We can furnish birds that will win in any show room in America. And at the opening of the breeding season you will have birds that will produce specimens of renowned quality. Write for our Fall Booklet, which contains very interesting and valuable information.

WAHEBE BANTAM YARDS, Box 13B, EVANSTON STATION, CINCINNATI, OHIO

## S. C. WHITE ORPINGTONS



If you need a Cockerel, a Pullet or a Hen for some particular show, be sure and write us before placing your order elsewhere. We can save you on the cost, and we can give you the birds that will win for you. We have 40 Cockerels, 20 Pullets and 12 Hens, every one strictly an exhibition specimen. They are large in size, many above standard weight, with deep full breasts, low on legs and good color.

### Examine Birds Before You Pay For Them

So sure are we of pleasing you with the high quality of our stock we are perfectly willing to send any shipment to you C. O. D., subject to your inspection before you pay for them. Write for our liberal plan. We guarantee every sale to give absolute satisfaction. You take no risk whatever. State fully just what you want and the show at which you wish to exhibit, and we will furnish you the birds.

### GOSHEN POULTRY FARMS

R. F. D. No. 7

::

Goshen, Indiana



## CURRENT NEWS OF THE POULTRY WORLD.

Plans being made for the annual Christmas week show of the Inland Empire Poultry and Pet Stock association indicate an exhibition triple the size of any previously held. James M. Hone, claim agent of the Spokane and Inland Empire railroad, has been elected president of the association, with W. J. Moore as vice president and George Whitney as secretary. The following are directors: J. M. Hone, W. J. Moore, Frank Bolton, John Pfeffer, Harry J. Fuller, H. J. Sheppard, O. E. Bosworth, W. A. Dettner and M. E. Taylor of Winona, Wash. H. J. Sheppard will manage the show, which recently was appropriated \$250 by the Spokane county commissioners.

The United States Supreme Court has ruled that express companies are liable for birds lost or injured in shipment and hereafter the shipper of valuable birds will be able to adjust his differences with the express companies with less trouble than was formerly the case.

At a meeting of the Poultry Producers of Texas, held in Galveston recently, it was decided to ask the State Legislature to pass a law making it a serious offense, punishable by a heavy fine, for a poultryman to guarantee eggs for hatching, and in case of a poor hatch refuse to make it good.

Wilcox S. Barr, aged 70, a well-known poultry breeder, was killed by lightning while standing under a tree during a storm on July 11. He was attending

the Medina county fair and he and two companions took shelter under a tree as the storm approached. All three men were killed.

## Our Cover Design.

We call our readers' attention to the fine design adorning the front page of our magazine. It is the work of Leonard Karl Stahmer, aged 16 years, son of Louis A. Stahmer, our artist. Talent evidently seems to run in the family as



there are now five members engaged in the art and engraving line. For a boy of his age it is a very creditable piece of work and we predict a great future for him.

A. Boyle, of Denver, Colo., has purchased forty acres of land near Tucson, Ariz., and will engage in the poultry raising and egg producing industry on a large scale.

Weasels, minks, skunks, rats or some other four-footed animals are playing havoc with the poultry in the vicinity of DeKalb, Ill. One night recently 110 young birds on the Munger poultry farm were killed, and R. C. Davey has lost 500 head. Several thousand head have been lost during the past few weeks.

A damp chicken coop is a disease breeder, and dampness and filth are a bad combination.

Never place ducks in close, stuffy quarters. They need plenty of air and dry floors.

Tea made by boiling garden peppers in water and adding to boiled potatoes or corn meal is a sure preventative of cholera.

## Death of Henry Hales.

We take the following from the November 15th issue of American Fancier and Stockkeeper:

"It is with a feeling of sadness we chronicle the death of that dear old fancier, Henry Hales, of Ridgewood, N. J. We remember him back in our schoolboy days, when he exhibited his Dorkings and talked with enthusiasm of their good qualities, and this enthusiasm for the breed lasted to the end of his days.

"The dear old soul was always a welcome guest at dinners tendered the veteran fanciers at the Boston show, where he exhibited his birds for years, and his little after-dinner speeches were filled with emotion as he related his life as a fancier and brought up the many pleasant recollections of past years.

"We were in hopes that he would be spared to meet with the veterans again at the coming Boston show, but God has willed different, and his genial smile will be sadly missed; but he will always be held in kindly memory by the old fanciers who have gathered there annually, and by hundreds of others who knew him as a true fancier, a kind and upright man. Mr. F. H. Valentine, his fellow townsman, in sending us the sad news, writes:

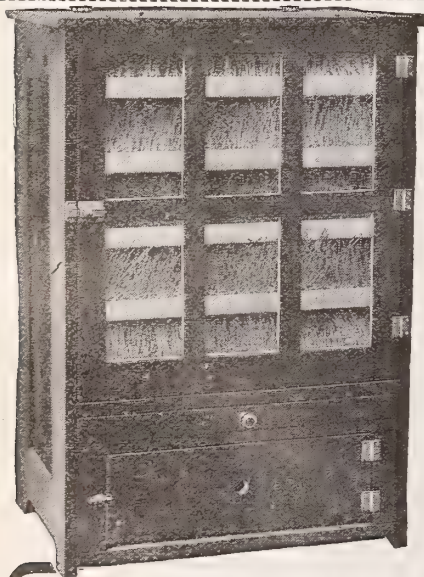
"Our good friend Henry Hales passed to his reward just at the close of day last Thursday, the 6th, respected and mourned by all who knew him. He would have been 84 next February. He was laid to rest in the beautiful Valleeau cemetery on Sunday."

"Henry Hales represented a type of fanciers of which we are sorry to say there are altogether too few.

"W. B. Atherton."

The fourth annual exhibition of the Lynchburg, Va., poultry show will be held Jan. 13-16, 1914. Newton Cosh and Charles Nixon, judges. For premium list address R. H. Anderson, secretary.

"Get right on poultry supplies." Before spending another cent for equipment, write Otis & Moe Manufacturing Co., Otis building, Chicago, for latest catalogue. They manufacture Moe's line of useful devices, invented by a successful breeder for his own needs and they are what you want.



## Increase Egg Yield This Winter, Save Money on Feed, Make Chicks Grow Rapidly, Strong

by installing an Ideal Grain Sprouter  
and feed your hens the green food  
that is absolutely necessary to  
insure prolific egg production.

Eggs are going higher in price every year, the demand is far exceeding the supply, and it looks like *good times* and *plenty of money* for the man who has one of our sprouters.

## The IDEAL Grain Sprouter

- is the *best machine* for sprouting grain ever made;
- will produce sprouts over two inches long in 24 hours;
- sprouts any kind of grain *better, in less time* and without fuss or muss;
- produces *three to four bushels* of feed from one bushel of grain;
- pays for itself in a single month by saving in feed bills, increasing egg yield, supplying food that makes chicks grow strong and vigorous.

The "Ideal" is made in several sizes—for a few hens up to hundreds. Can be used in summer (without lamp) as it has proper arrangements for moisture and ventilation to produce quick results and crisp feed.

## CONSTRUCTION

Made of best lumber—double walls, insulated with heavy deadening felt—inside lined with galvanized iron—frame of trays heavy galvanized iron—bottom of tray heavy wire netting—front of machine glass, which induces green sprouts. These sprouts require very small amount of artificial heat which is produced by the Ideal Safety Lamp, the fumes of which pass through ventilators.

## Get Special Low Price Offer Today

Don't delay but write at once for special low price freight prepaid introductory offer, full particulars and description of this perfect grain sprouter. No poultry man should be without it. It is the *Biggest Money Maker for the Poultryman since the Incubator was invented.*

Made by J. W. Miller Co., Manufacturers of Incubators, Brooders and Poultry Supplies, which is sufficient guarantee of its excellence.

J. W. MILLER COMPANY, Box 600 ROCKFORD, ILLINOIS



### Old Forge Poultry Farm.

In the southern part of Pennsylvania and close to the Maryland line in a valley of historic and natural beauty is the quaint little city of Spring Grove. It is a section that you regret leaving after having once entered and we doubly enjoyed our trip, for we had motored over from Hanover with Mr. C. N. Myers and had every opportunity to fully enjoy a delightful October day, when woodland, fields and hills are decked in their richest colorings.

Just beyond Spring Grove high up on the

This plant is a new and not an old one. The best foundation stock that money could buy was purchased and the birds seen here are an evidence of value received. Here were the birds bred last year, and the young, a smart lot of even, high grade quality, strong in type and vigor and of a beautiful rich color that is bound to hold.

This season this farm has made four of the leading shows held to date, winning at Allentown cock 2, hen 3, pullet 2; at Hanover cockerel 2-3, pullet 2-3-4, on five entries. At York cock 1, hen 1, cockerel 1-2-3, pullet 1-3-4-5, pen 1-2, specials for

imagine just what you will see if you go to the Old Forge Poultry Farm, and we would advise all to go that can.—H. P. Schwab.

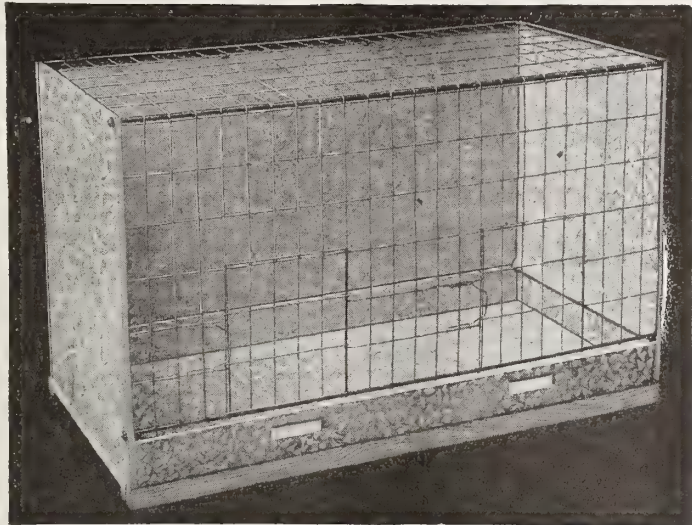
### "Wingold" Buff Farm.

When we got around to Fred H. Poertner's Buff Farm, Berea, Ohio, we found a flock of something over 400 youngsters with quality much improved; in fact, the best we ever found there. Mr. Poertner is one of those live wire fanciers who could not come to a standstill in that direction. He has done a great deal of experimenting in mating Buffs in past seasons for his own personal education, and has realized that to produce Buffs one must put Buff and Buff together. His entire flock of Buff Orpingtons, Buff Wyandottes and Buff Rocks are so fine in soft golden buff that we pronounce him an artist at the color scheme, but color does not make the breed with Mr. Poertner. Type really comes first and his birds show for it, too.

The stock is all farm grown and this, together with Mr. Poertner's method of feeding and sanitary quarters make them very healthy and vigorous. The Wingolds have made some famous victories in the show room, winning at St. Louis, Indianapolis, Cleveland, Youngstown, and other good shows of quality, winning at these shows 29 blue ribbons, 10 seconds, 12 thirds, 5 fourths and 9 fifths. Mr. Poertner will be at Cleveland in December with a large string of Wingolds. Meet him there, you may pick up something better than you ever dreamed of. This farm is located 13 miles southwest of Cleveland. Visitors welcome and pleasantly entertained. Write for prices. Address F. A. Poertner, Berea, Ohio.—H. H. Coburn.

In this issue will be found the ad of Richard M. Seward, R. D. 3, Cuba, Ill., breeder of Single Comb Buff Orpingtons. Mr. Seward's Orpingtons are noted for their great laying qualities. At the National Egg-Laying Contest his hen, Lady Seward, won first prize with a record of 223 eggs in one year. Mr. Seward pleases and satisfies his customers and showed us many testimonials from them, all loud in their praise of his treatment. Write him for what you want and mention American Poultry Journal.

We would call particular attention of our readers to the advertisement of the Hancock Inoculation Company, Salem, Virginia, who are advertising Oculum in this issue. In their advertisement they are stating plain facts, and they inform us that if anyone questions their statements they are at liberty to write to any banker in Salem, the Judge or Clerk of the Court, the Mayor of the Town, or any official of the town for confirmation, at their expense. Look up their ad in this issue and write for particulars.



The above illustration is a collapsible exhibition coop manufactured by Nieman Bros., Manufacturing Co., Box 677, Mount Olive, Ill. This is one of the many articles manufactured by this firm. We have been at many state fairs and poultry shows this season, but have never found

anything that would compare with this coop. All of the galvanized iron used is of 26 gauge. The above firm issues a large catalogue which should be in the hands of all progressive poultrymen. It is free if you mention American Poultry Journal.

hills Mr. P. H. Glatfelder has built his home and near by has erected his poultry plant, known as the "Old Forge Poultry Farm," where he breeds S. C. Buff Orpingtons exclusively. In a later edition we will hope to show pictures of this plant, for it is "different" from the rest and has its original features, many of them valuable and of interest.

As stated, this entire plant is devoted to S. C. Buff Orpingtons. Eggs for hatching, day old chicks, custom hatching, and the sale of choice stock will be featured here.

best buff bird in the show, best buff cockerel in the show, best display, etc., on 12 entries. At Hagerstown cock 2, hen 3, pullet 4, pen 2.

These winnings tell the story of worth. They were made at famous exhibits and in exceptional classes of quality with the best breeders of America and Canada competing.

We were greatly pleased with both old and young birds seen here, for they have the true Orpington character; it is evident the owner knows shape and combines with this even and sound color. You can then

# Rhode Island Reds

AMERICA'S FOUNDATION STRAIN OF WINNING ROSE COMBS

Originated and perfected by I. W. BEAN, Braintree, Mass.

AND THE WORLD'S MOST BRILLIANTLY DISTINGUISHED WINNING STRAIN OF SINGLE COMBS

Originated and perfected by A. U. DILLEY, Wrentham, Mass.

Now united under one management at

**SOUTH BRAINTREE, MASS.** (New Address)

To be Bred, Owned and Distributed on the Modern Progressive Principle of

## CO-OPERATIVE MEMBERSHIP

**YOU SHARE OUR PROFITS WE SHARE YOUR LOSSES**

Sensational Details Mailed on Request.

**UNITED BREEDERS, Inc.**

ARTHUR U. DILLEY, President

IRVING W. BEAN, Treasurer

FREDERICK L. HAYDEN, Vice-President

FRANK D. READ, Superintendent

ADDRESS ALWAYS

**UNITED BREEDERS, Inc., 314 Pond St., South Baintree, Mass.**



### Elliott's S. C. White Leghorns.

Some nine or ten years ago R. J. Elliott, Mansfield, Ohio, left the city for the country to engage in the poultry business, starting with S. C. White Leghorns, White Wyandottes and Barred Rocks, relying principally on heavy egg production. Comparing Leghorns with the others, he decided to keep them exclusively. His foundation stock was purchased from three of America's leading fanciers and by intelligent mating and careful selection has established the Up-To-Date Elliott Strain, noted for size, vigor and snow white plumage.

Mr. Elliott's farm consists of 54 acres, 15 of which is a bearing orchard; the land lies high and is within one-half mile of the highest point in the state. It is situated 1½ miles northeast of Ontario, 6 miles west of Mansfield and one-half mile south of stop 10 on Cleveland & Southern Traction line. Mr. Elliott says the past season has been his best and that the American Poultry Journal has been the best advertising medium he ever tried. He will reserve 350 pullets and 200 one and two-year-old hens for his breeding pens and 150 vigorous cockerels for his own use and for cock birds. He has a lot of good ones to let go for show and choice breeders. Mr. Elliott does a fine baby chick business and knows how to hatch strong and husky chicks. If you want some up-to-date stock write for catalogue and prices, and address R. J. Elliott, Route 7, Mansfield, Ohio.—H. H. Coburn.

### H. D. Riley, Strafford, Pa.

After the Atlantic City convention we paid a hurried visit to Mr. H. D. Riley, secretary of the American Barred Plymouth Rock Club, and breeder of note of Barred Plymouth Rocks. Here we were pleased to note the progress the club is making for Mr. Riley is a hard working official, prompt and deserves every credit for the general success attained.

Mr. Riley is one of those fanciers full of enthusiasm whose whole heart is in his work and in this we can find cause for the great success he has made in breeding Barred Rocks. He has made two or three fine records at the M. S. Garden, New York, show, winning first hen twice and was also well placed in every class. His winnings

for two years at Cleveland are history, as are also his records made at Baltimore, Philadelphia, Camden, Hagerstown, etc., at all these shows his line has been a prominent winner as shown by himself. At the late Hagerstown his winnings were 2nd hen, 1st, 2nd and 5th cockerel, 3rd pullet, 1st young pen, special for shape, male; special for best Plymouth Rock in the show, etc.

Birds hatched from eggs Mr. Riley sold have also won at our largest shows, including New York, Chicago, Philadelphia, Guelph, Ont., etc. Last winter two cockerels hatched from his eggs won 1st and 3rd at Guelph, Ont. (the Canadian Winter Fair) in a class of 60 cockerels.

Mr. Riley has had a busy season with the demand for his stock ever on the increase and he yearly has enlarged his plant to supply the demands made upon him for stock and eggs.

His young birds give every promise of worth and his very large flock looks most promising; the reputation of this line is in good hands.—H. P. Schwab.

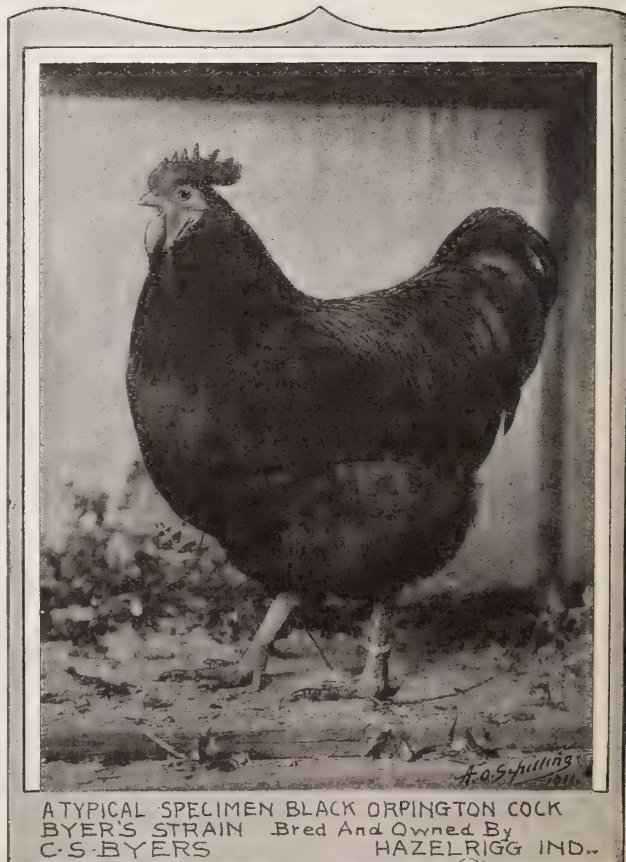
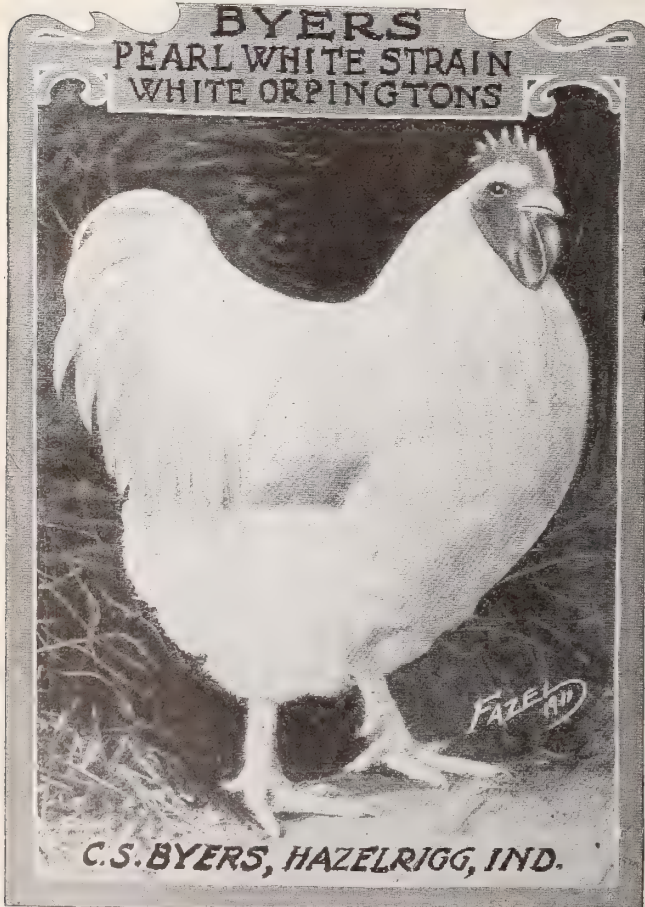
### An Ideal Farm.

If it were given us to select an ideal poultry farm our first and last selection would be Iowana Farm, Davenport, Iowa, situated as it is on the summit of the bluffs overlooking the Mississippi river to the south, with a grand view for miles and miles up and down this majestic stream, with the beautiful cities of East Moline, Moline and Rock Island sitting in splendid relief against the cliffs on the opposite shore. The farm is flanked on the north, east and west by beautiful rolling pastures and groves of splendid oak. Surely this is nature's chosen spot for an ideal poultry plant. Not only has nature been lavish in her natural equipment of this farm, but she has endowed it with men of culture and refinement, whose sole ambition is to make of it a poultry farm that shall be the pride of the American continent, and by honest and fair dealing, to establish relations that shall bring forth, not in dollars and cents, but in the higher and loftier thoughts of men, a feeling of good fellowship and security in a business that must command the respect of all. Dr. Bryant Smith, who has the management of the poultry department of their immense estab-

lishment, is a man of high standing and of character beyond reproach. He is ably assisted by H. W. Atkins, a man thoroughly qualified for the work, a good judge of poultry, and a man of integrity. They have by careful selection and breeding built up a strain of White Orpingtons that is thoroughly in keeping with this splendid farm and magnificent surroundings. They are offering White Orpingtons, grand in type and color and great in size, at one-half their value. Their list of awards at the leading shows will give you some idea of the quality of their flock, all their winners being bred on the farm. We feel that we can not too highly recommend Iowana Farms and the management to the readers of A. P. J.—J. C. Johnston.

### A Visit to Pope and Pope

There is no breed more popular than the Barred Plymouth Rock, especially when they are bred right and have stamina and vigor that is visible to the eye. We find only too often that what is called and sold as a Barred Rock, are underfed and undersized specimens that should have no claim to the name. The Barred Plymouth Rock is "made in America," and for that reason should be the best in the poultry line. There is no better place to raise them right than on the farm, and birds of this breed when reared under natural conditions, are far superior to those raised by the backyard fancier. We have seen Pope and Pope's birds at numerous shows and have always admired their vigorous condition and the brilliant, snappy barring, due no doubt, to that excellent and famed "blue grass" range of Kentucky. We were agreeably surprised upon visiting their 65-acre farm at Locust Grove, to see the great number of these fine birds for which ideal location and proper management is responsible. Their fine type and beautiful barring, due to skillful mating of the pens, shows that Pope and Pope's know standard requirement from A to Z, and back again. They sell their birds at very reasonable prices and the numerous testimonial letters which they have received from many satisfied customers in this country, shows that they give satisfaction to the trade. Their catalog is free for the asking and contains many fine pictures of their farm and birds. Address Pope and Pope, Louisville, Ky., Box A.



### REPRESENTATIVE SPECIMENS BYERS STRAIN ORPINGTONS.

C. S. Byers, Hazelrigg, Indiana, informs us that the above birds are samples in outlines of many finished birds that he will offer during the early winter for early breeding and winning.



## SHOW DATES, 1913-1914

## ALABAMA.

Jan. 20-23. Birmingham—Frank Riddle, secretary.

## BRITISH COLUMBIA.

Dec. 9-12. Grand Forks—J. R. Terry, secretary.

Dec. 16-19. Vancouver—Wm. J. Kleaman, secretary.

Jan. 13-15. Nanaimo—J. Isherwood, secretary.

Jan. 13-17. Victoria—H. D. Reid, secretary; J. Tucker, judge.

## CALIFORNIA.

Dec. 10-13. Petaluma—Thos. McGuire, secretary.

Dec. 31-Jan. 4. San Francisco—A. H. Qugram, secretary.

Jan. 6-31. Los Angeles—Jos. E. Davis, secretary.

## CANADA.

Jan. 13-15. Hanover, Ont.—C. E. Henning, secretary; J. H. Minshall, judge.

Jan. 13-16. Moncton, N. B.—Geo. H. Seaman, secretary; Robertson, Jones, judges.

Jan. 20-22. Tavistock, Ont.—J. Lemp, secretary.

## COLORADO.

Dec. 29-Jan. 2. Greeley—Clarence Candlin, secretary; A. H. Smith, judge.

Dec. 29-Jan. 3. Pueblo—B. M. Price, secretary; C. H. Rhodes, judge.

Jan. 5-8. Loveland—D. S. Mitchell, secretary; Elmer Gimlin, judge.

Jan. 6-9. Greeley—C. M. Crozier, secretary; D. A. Stoner, judge.

Jan. 12-16. Delta—Mrs. T. K. Seaton, secretary; Elmer Gimlin, judge.

Jan. 19-24. Denver—W. C. Shuman, secretary; Tucker, Heimlich, judges.

Jan. 19-24. Montrose—E. Wallace, secretary; Elmer Gimlin, judge.

## CONNECTICUT.

Jan. 22-24. Meriden—L. T. Hedeler, secretary; Ives, Wells, Bonfoey, Beebe, judges.

Jan. 27-30. Guilford—P. P. Ives, secretary.

## DISTRICT OF COLUMBIA.

Dec. 23-27. Washington—P. Francis Sutor, secretary; George O. Brown, C. T. Cornman, H. P. Schwab, judges.

## FLORIDA.

Dec. 29-Jan. 3. Tampa—J. H. Wendler, secretary; Marshall, Cook, Woodworth, Carson, judges.

## IDAHO.

Jan. 26-31. Boise—Chas. H. Sheppard, secretary.

## ILLINOIS.

Dec. 12-17. Chicago—W. Theodore Hewes, secretary; W. S. Russell, O. L. McCord, J. T. Rountree, D. E. Hale, James A. Tucker, F. L. Sewell, H. B. Hark, W. C. Pierce, A. O. Schillings, A. C. Smith, H. A. Pickett, judges.

Dec. 15-20. Freeport—Paul Wurtzel, secretary; Geo. Heyl, judge.

Dec. 15-20. Milledgeville—C. A. Straka, secretary; F. H. Shellabarger, judge.

Dec. 16-19. Hinckley—G. Anderson, secretary; Harry W. Atkins, judge.

Dec. 16-19. Girard—H. C. Rathgeber, secretary; Calvin Ott, judge.

Dec. 16-19. Murphysboro—E. H. Roberts, secretary; Joseph Dagle, judge.

Dec. 16-20. Cowden—B. W. Breighner, secretary; B. H. Shinoske, judge.

Dec. 16-20. Pontiac—O. A. Tuttle, secretary; Chas. V. Keeler, judge.

Dec. 17-19. Benton—M. D. Clayton, secretary; T. M. Campbell, judge.

Dec. 17-19. Thompsonville—Chas. E. Phillips, secretary; E. M. Quay, judge.

Dec. 18-20. Batavia—Chas. A. Pierce, secretary; C. L. Barrick, judge.

Nov. 18-21. Granite City—J. W. Costley, secretary; D. E. Hale, judge.

Dec. 22-27. Lanark—J. A. Shaner, secretary; Charles McClave, Theodore Ellis, judges.

Dec. 22-27. Geneseo—W. H. Hammett, secretary; C. H. Rhodes, judge.

Dec. 24-27. Kempton—W. W. Kemp, secretary; T. M. Campbell, judge.

Dec. 26-29. Staunton—Chas. C. F. Fritz, secretary; J. C. Johnston, judge.

Dec. 29-Jan. 3. Canton—E. D. Geiger, secretary; Johnson, judge.

Dec. 30-Jan. 3. Aurora—C. L. Valentine, secretary; W. C. Piene, W. S. Russell, judges.

Dec. 30-Jan. 2. Champaign—Paul T. Bacon, secretary; D. E. Hale, judge.

Dec. 31-Jan. 3. Richmond—R. G. Scott, secretary; F. H. Shellabarger, judge.

Jan. 5-9. Galva—Edw. Iverson, secretary; E. G. Jeaney, judge.

Jan. 5-10. Elgin—Chris. H. Leitner, secretary; Northup, judge.

Jan. 6-10. Mendota—Elmer C. Wise, secretary.

Jan. 5-11. Chicago—A. E. Lemieux, secretary; Shellabarger, Hemingway, Coleman, Hayes, judges.

Jan. 5-11. Springfield—Theodore S. McCoy, secretary; O. L. McCord, D. E. Hale, J. C. Johnston, George A. Heyl, J. H. Minshall, judges.

Jan. 7-10. Chicago Heights—B. T. Gibbs, Jr., secretary; F. H. Shellabarger, judge.

Jan. 8-12. Savanna—W. H. Griffiths, secretary; Chas. McClave, judge.

Jan. 12-17. De Kalb—Wm. W. Hayden, secretary; D. E. Hale, Frank Heck, judges.

Jan. 12-17. Mattoon—W. H. Morris, secretary; A. N. Niles, judge.

Jan. 12-17. Kankakee—E. P. Vining, secretary; F. G. Bean, judge.

Jan. 13-17. Mt. Vernon—G. W. Reid, secretary; J. J. Kline, judge.

Jan. 13-17. Bloomington—C. E. Johnson, secretary; Rickhoff, Heyl, judges.

Jan. 14-17. Blue Island—Ernst F. Muhs, secretary.

Jan. 14-18. Woodstock—O. Lee, secretary; McCord, judge.

Jan. 19-24. Decatur—E. E. Deetz, secretary; Hicks, Hale, judge.

Jan. 19-24. Havana—L. D. McKinley, secretary; J. J. Klein, judge.

Jan. 26-30. LaFayette—W. M. Bryan, secretary; D. D. Whitaker, judge.

Jan. 20-23. Harvard—L. S. Backus, secretary; A. P. Kave, judge.

Jan. 26-31. Orangeville—S. D. Confer, secretary; T. J. Rountree, judge.

Jan. 27-30. Clinton—T. J. Wilson, secretary; W. S. Russell, judge.

## INDIANA.

Dec. 8-13. Princeton—I. M. Colvin, secretary; Louis J. Demberger, judge.

Dec. 15-20. Thorntown—Floyd Wyant, secretary; Z. D. Struble, judge.

Dec. 22-27. Sheridan—G. R. McMurtry, secretary; Pickett, judge.

Dec. 29-Jan. 3. Young America—John W. Beck, secretary; E. M. Quay, judge.

Dec. 29-Jan. 3. Angola—J. Mack Fisher, secretary; H. A. Pickett, judge.

Dec. 30-Jan. 2. Elmhurst—Oscar P. Hadkier, secretary; Coleman, judge.

Dec. 30-Jan. 4. Hammond—Wm. Maginot, secretary; Chas. V. Keeler, judge.

Dec. 30-Jan. 5. Jasper—F. L. Betz, secretary; W. L. Gladdish, judge.

Dec. 31-Jan. 6. Terre Haute—M. Austin Potter, secretary; Theo. Hewes, judge.

Jan. 5-10. Greencastle—Mrs. Walter L. Evans, secretary; W. W. Zike, judge.

Jan. 5-10. Rensselaer—J. H. Weber, secretary; H. A. Pickett, judge.

Jan. 6-9. Bedford—F. J. Heitger, secretary; B. H. Myers, judge.

Jan. 6-10. Decatur—Chas. H. Oetting, secretary.

Jan. 6-11. Remington—W. E. Peck, secretary; Thos. M. Campbell, judge.

Jan. 8-13. Morocco—A. M. Robertson, secretary; Carl J. Carter, H. A. Pickett, judges.

Jan. 7-11. Auburn—Wayne W. Otis, secretary; A. E. Hamlin, judge.

Jan. 10-16. Indianapolis—Henry C. Dipple, secretary; O. L. McCord, Chas. V. Keeler, F. E. Harrison, Louis Demberger, judges.

Jan. 12-17. Columbus—C. I. Fishel, secretary.

Jan. 12-17. Brazil—J. C. Macdonald, secretary; Thomas Falkner, judge.

Jan. 12-17. Evansville—E. L. Fenton, secretary; Zike, Mullinix, judges.

Jan. 13-17. Richmond—Cash Beall, secretary; H. A. Pickett, judge.

Jan. 19-24. Frankfort—Charles Cue, secretary; Thomas M. Campbell, judge.

Jan. 19-24. Franklin—A. W. Byers, secretary; Bridges, judge.

Jan. 19-24. Peru—W. W. Bowe, secretary; Chas. McClave, judge.

Jan. 20-24. Logansport—Chas. M. Euyart, secretary; J. C. Clipp, judge.

Jan. 21-26. Fort Wayne—T. C. Kucher, secretary; Pickett, Hamlin, Faulkner, judges.

Jan. 26-29. Mulberry—J. Frank Smith, secretary; T. M. Campbell, judge.

Jan. 25-31. Greensburg—Roy Privett, secretary; Lanius, Spaugh, Fishel, judges.

## AMERICA'S GREATEST QUALITY SHOW. POULTRY, PIGEONS, CATS, PET STOCK.

# THE BOSTON SHOW

MECHANICS BUILDING

Jan. 13-17, 1914

Entries close Dec. 27, '13

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## GREAT CHICAGO POULTRY SHOW

### January 5, 6, 7, 8, 9, 10, 11, 1914

Held Under the Auspices of The Chicago Poultry Breeders Assn., Inc., in the East End Hall, Clark and Erie Sts., Chicago—The show of the breeders, for the breeders and by the breeders is a financial success as it stands today. Shellabarger, Hemenway, Coleman, Dietz and Hayes are the Judges. Silver cups galore, liberal cash prizes. Money in the treasury now to pay all premiums. Free uniform cooping and banding. Premium List ready now. Entries close December 15. For copy of Premium List send postal now to

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### AGAIN THE GREAT

## Poultry Exhibition of Pittsburgh, Pa.

JANUARY 19th to 24th, 1914

Judges: W. S. Russell, W. C. Pierce, A. Fred Kummer, D. M. Young, C. D. Cleveland, L. Rawnsley, Marcus Allen Northup, Theo. Hewes, G. W. Webb, D. Monroe Green, J. A. Edwards, Eugene Baldwin, A. H. Emch. One of America's great Poultry Shows. Its standard of excellence is assured by its past exceptional record. Send for premium list. Entries close January 5, 1914.

POULTRY EXHIBITION OF PITTSBURGH, 303 EMPIRE BLDG., PITTSBURGH, PENNSYLVANIA



Boyle, Goyert, Loyd and Strausberger, judges.  
 Jan. 26-31. La Porte—G. F. Decker, secretary; D. E. Hale, judge.  
 Jan. 26-30. La Fayette—Harry G. Leslie, secretary; Whitaker, judge.  
 Jan. 26-31. Elkhart—Geo. Carroll, secretary; Mullinix, Meyers, judges.  
 Jan. 28-31. Madison—S. G. Boyd, secretary; W. C. Pierce, judge.  
 Feb. 2-7. South Bend—C. M. Bill, secretary; Northrup, judge.

## IOWA.

Dec. 16-20. Adair—B. N. Rochholz, secretary.  
 Dec. 16-19. Red Oak—C. S. Lewis, secretary; J. L. Todd, judge.  
 Dec. 16-19. Tipton—R. M. Gregg, secretary; U. J. Shanklin, judge.  
 Dec. 29-Jan. 3. Grinnell—H. O. Shaw, secretary; F. H. Shellabarger, judge.  
 Dec. 30-Jan. 2. Hampton—L. H. Carter, secretary; Dixon, judge.  
 Jan. 1-7. Des Moines—Geo. S. Phillips, secretary; Russell, Shellabarger, Dagle, Southard, Seyler, judges.  
 Jan. 5-9. Decorah—Len Larson, secretary; Chas. V. Keeler, judge.  
 Jan. 5-9. Ames—E. T. Kooser, secretary; Roundtree, judge.  
 Jan. 12-17. Cedar Rapids—E. D. Monilan, secretary; F. H. Shellabarger, H. C. Dipple, judges.  
 Jan. 13-18. Bayard—M. M. Curry, secretary; Wm. G. Warnock, judge.  
 Feb. 2-7. Burlington—Newton M. Derby, secretary; Russell, Harrison, judges.

## KANSAS.

Dec. 10-13. Clay Center—W. S. Binkley, secretary; John Snyder, judge.  
 Dec. 15-20. Neodesha—E. L. Graves, secretary.  
 Dec. 16-19. El Dorado—G. F. Ambrose, secretary; C. H. Rhodes, judge.  
 Dec. 18-20—Osborne—L. J. Cowger, secretary; W. A. Lamb, judge.  
 Jan. 5-10. Chanute—L. H. Wible, secretary.  
 Jan. 5-11. Independence—L. H. Wible, secretary.  
 Jan. 12-17. Wichita—L. B. McCausland, secretary; T. M. Campbell, judge.  
 Jan. 20-23. Leavenworth—C. M. Swan, secretary; Shellabarger, judge.

## KENTUCKY.

Jan. 12-17. Ashland—J. S. Secrest, secretary; Simmons, judge.

## LOUISIANA.

Dec. 17-20. Alexandria—W. H. McCrackin, secretary.  
 Oct. 28-31. Monroe—Geo. A. Barns, secretary; Loring Brown, judge.

Nov. 24-29. Lake Charles—D. M. Foster, Jr., secretary; Reese V. Hicks, judge.  
 Dec. 5-7. Baton Rouge—W. H. Gates, secretary; R. E. Bruce, judge.  
 Dec. 12-15. New Orleans—R. E. Breey, secretary; Loring Brown, judge.

## MAINE.

Dec. 23-26. Berwick—Arthur C. Brooks, secretary; D. J. Lambert, E. F. Benson, judges.  
 Dec. 23-25. Freeport—Geo. P. Coffin, secretary.  
 Dec. 30-Jan. 1. Norway—E. Crockett, secretary; Coffin, Watson, judges.

## MARYLAND.

Jan. 6-10. Baltimore—George O. Brown, secretary; Wolseffer, Minnick, Kriner, Glasgow, Braun, Oke, McGrann, Schwab, Shove, judges.  
 Jan. 13-17. Frostburg—Wm. D. Hanson, secretary; Chas. T. Cornman, judge.

## MASSACHUSETTS.

Dec. 16-18. Springfield—H. L. Davis, secretary; W. B. Atherton, Paul P. Ives, W. H. Card, C. H. Welles, Richard Oke, judges.  
 Dec. 19-20. No. Plymouth—A. H. Holmes, secretary.  
 Jan. 13-17. Boston—W. B. Atherton, secretary; Russell, Daken, Titus and Graham, judges.  
 Jan. 22-24. Worcester—W. H. Fitton, secretary.

## MICHIGAN.

Dec. 17-22. Niles—Geo. W. Earl, secretary; D. E. Hale, judge.  
 Dec. 23-26. Holland—Wm. Dinkeloo, secretary; T. M. Campbell, judge.  
 Dec. 27-Jan. 1. Jackson—W. O. Wellman, secretary; W. S. Russell, judge.  
 Dec. 29-Jan. 3. Kalamazoo—F. W. Hough, secretary; Wells, Strong, judges.  
 Dec. 27-Jan. 3. Lansing—L. D. Maxson, secretary; Wm. Wise, judge.  
 Dec. 30-Jan. 2. Petoskey—E. M. Martin, secretary; R. V. Otto, judge.  
 Dec. 30-Jan. 2. Zeeland—Jno. A. Hartgerink, secretary; R. V. Otto, judge.  
 Jan. 2-5. Munising—Thomas B. Wyman, secretary; F. E. Harrison, judge.  
 Jan. 2-7. Ishpeming—Wm. St. John, secretary; F. E. Harrison, judge.  
 Jan. 6-9. Grand Rapids—Mrs. E. R. Wood, secretary; Sites and Otto, judges.  
 Jan. 6-10. Calumet—B. Seighman, secretary; Daley, Wells, Harrison, judges.  
 Jan. 7-11. Flint—P. D. Phillips, secretary; Thomas Falkner, C. A. Bloss, judges.

Feb. 10-13. Saginaw—Ed Ohland, secretary; Elmer Gimlin, judge.  
 Jan. 11-14. Manistee—M. A. Fortier, secretary; R. V. Otto, judge.  
 Jan. 13-17. Ludington—O. C. Zook, secretary; W. A. Bonner, judge.  
 Jan. 13-17. Muskegon—E. G. Evans, secretary.  
 Jan. 17-21. Bay City—A. J. Cope-land, secretary; Falkner, Hemenway, judges.  
 Jan. 19-24. Sturgis—G. H. Glesert, secretary; Geo. Ewald, judge.  
 Jan. 19-25. Detroit—J. A. Turner, secretary; Falkner, Minshall, Harrison, judges.  
 Jan. 19-25. Lansing—J. A. Turner, secretary; Harrison, Falkner, Marshall, judges.  
 Jan. 27-31. Pontiac—A. D. J. Schimmel, secretary; Tucker, Wise, judges.  
 Feb. 10-15. Menominee—W. A. Haines, secretary; Wells, Tucker, Harrison, judges.

## MINNESOTA.

Dec. 8-12. Lyle—Wm. Nordland, secretary; A. C. Smith, judge.  
 Dec. 22-26. Albert Lea—H. E. Ruble, secretary; Jos. Dagle, judge.  
 Jan. 20-24. Bird Island—Paul Kolbe, secretary; A. C. Smith, judge.

## MISSOURI.

Dec. 11-16. Kansas City—E. L. Noyes, T. E. Quisenberry, secretaries; Reese V. Hicks, C. H. Rhodes, E. C. Branch, Adam Thompson, C. A. Emory, D. T. Heimlich, V. O. Hobbs, T. W. Southard, E. W. Rankin, Tom H. Woods, J. W. Southmayd, Ralph H. Searle, L. H. Wible, judges.  
 Dec. 18-20. Butler—Mrs. A. R. Guyton, secretary; Branch, judge.

## MONTANA.

Jan. 13-17. Kalispell—G. Frederick Tate, secretary; L. C. Taylor, judge.  
 Jan. 13-17. Missoula—Roy A. Bisbee, secretary; Geo. D. Holden, judge.  
 Jan. 24. Butte—H. K. Madden, secretary.

## NEBRASKA.

Dec. 16-19. Ord—Carl Johnson, secretary; A. H. Smith, judge.  
 Dec. 17-19. Fairmont—F. P. Schmidt, secretary.  
 Dec. 22-27. Lincoln—P. P. Bliss, secretary; Palmer, Schreff, judges.  
 Dec. 30-Jan. 3. Edgar—C. G. Cottle, secretary; Guy E. Schieff, judge.  
 Jan. 7-10. Dover—D. C. McIntosh, secretary; Watson, Coffin, judges.  
 Jan. 19-24. Grand Island—A. H. Smith, secretary; Rhodes, Thompson, Roberts, judges.  
 Jan. 20-23. Peterborough—George Ames, secretary; C. A. Wheeler, C. A. Ballou, judges.

## NEW HAMPSHIRE.

Dec. 16-19. Derry—E. A. Cross, secretary.  
 Dec. 30-Jan. 2. Manchester—George C. Felton, secretary.  
 Jan. 6-9. Nashua—Luther Robbins, secretary; Coffin, Watson, Woodward, judges.

## NEVADA.

Dec. 16-19. Reno—E. A. Cross, secretary; Watson, Woodward, judges.

## NEW JERSEY.

Dec. 19-20. Port Norris—H. C. Barracough, secretary; Louis G. Heller, judge.  
 Dec. 29-Jan. 3. Newton—H. J. Woodward, secretary.  
 Jan. 5-12. Newark—J. L. Adams, secretary; Nixon, Kerr, Harries, judges.

## NEW YORK.

Dec. 15-20. Rochester—J. F. Tallinger, secretary; F. G. Bean, Charles T. Cornamn, H. M. Kenner, Charles Nixon, C. J. Andrus, Rowland Story, T. F. Jager, J. F. Van Alstyne, M. V. Caldwell, judges.  
 Dec. 26-Jan. 1. New York City—Charles D. Cleveland, secretary.  
 Dec. 29-Jan. 3. Rochester—F. A. Newman, secretary; W. Theodore Whittman, Herman W. Grannis, Henry R. Ingalls, M. Frank Cook, F. J. Taylor, G. Archie Turner, A. J. Braun, W. J. Wirt, judges.  
 Jan. 5-10. Binghamton—Henry S. Martin, secretary.  
 Jan. 12-17. Buffalo—Stanley A. Merkley, secretary.  
 Jan. 12-17. Utica—A. G. Warner, secretary; Jacquins, Van Alstyne, judges.  
 Jan. 12-17. Auburn—Frank A. Elphee, secretary; Cornish, Douglass, Andrus, King, judges.  
 Jan. 27-29. Chatham—Walter H. Kay, secretary.

## NORTH CAROLINA.

Dec. 8-11. Charlotte—John Brown, secretary; Drevenstedt, Brown, judges.  
 Dec. 30-Jan. 2—Raleigh—J. T. Bland, secretary.

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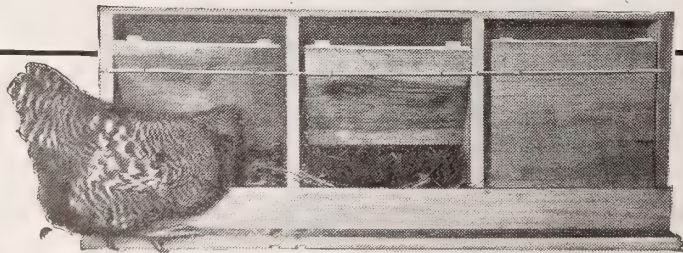
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## OHIO.

Dec. 9-12. Gnadenhutten—W. C. Lyle, secretary.  
 Dec. 15-19. Galion—W. M. Huffman, secretary; D. D. Whitaker, C. C. Beatty, judges.  
 Dec. 29-Jan. 3. Struthers—Wm. Dehn, Jr., secretary.  
 Dec. 30-Jan. 3. Marietta—Fred L. Snodgrass, secretary; T. M. Campbell, judge.  
 Dec. 29-Jan. 3. Bowling Green—A. A. Whipple, secretary; A. H. Emch, judge.  
 Dec. 29-Jan. 3. Canton—F. J. Miller, secretary; H. C. Dipple, Chas. McClave, J. W. Mulinix, judges.  
 Dec. 30-Jan. 3. Norwalk—A. C. Thomas, secretary; Chas. McClave, judge.  
 Dec. 30-Jan. 3. Leetonia—C. A. Anglemeyer, secretary; S. G. Case, judge.  
 Dec. 31-Jan. 3. Canal Dover—W. N. Betcher, secretary; D. D. Whitaker, judge.  
 Dec. 31-Jan. 4. Sandusky—Chas. O. Lehrer, secretary; Thomas Faulkner, judge.  
 Jan. 5-10. Lima—C. E. Morrow, secretary; Taylor, judge.  
 Jan. 5-10. Cleveland—A. E. Rehburg, secretary; Gault, Stream, Emsch, Platt, Lanius, Webb, judges.  
 Jan. 5-10. Springfield—L. B. McDonald, secretary; Keller, Barger, Rheinhardt, judges.  
 Jan. 6-9. Edon—J. H. Mumaw, secretary; Sites, judge.  
 Jan. 6-10. Attica—L. G. Sutton, secretary; M. M. Barger, judge.  
 Jan. 6-10. Fostoria—A. B. Fuller, secretary.  
 Jan. 12-17. Dayton—W. H. Osterhaus, secretary; Pierce, Corfman, Stream, judges.  
 Jan. 12-17. Kenton—Harry Burger, secretary; Traviss, judge.  
 Jan. 12-17. Mt. Vernon—John R. Gamble, secretary; Stream, Busch, judges.  
 Jan. 12-17. Bluffton—D. J. Kohli, secretary; Chas. McClave, judge.  
 Jan. 12-17. Defiance—Edw. S. Bronson, secretary; George H. Northup, judge.  
 Jan. 12-17. Lisbon—W. T. Bennett, secretary; Charles C. McClave, judge.  
 Jan. 12-17. Van Wert—R. T. Bevington, secretary; E. M. Guay, judge.  
 Jan. 12-18. Toledo—J. S. Ball, secretary;

Eckert, Coleman, Whitaker, Struble, Tripp, judges.  
 Jan. 13-17. Massillon—Warren H. Shanabrook, secretary; F. G. Bean, judge.  
 Jan. 13-17. Wadsworth—Chas. H. Ries, secretary; A. H. Emch, judge.  
 Jan. 15-18. Cuyahoga Falls—Chas. Gray, secretary; Whitaker, judge.  
 Jan. 19-24. East Palestine—M. A. Bowles, secretary; Chas. McClave, judge.  
 Jan. 19-24. Youngstown—Leon Pratt, secretary; J. A. Gault, judge.  
 Jan. 19-24. Port Clinton—G. T. Conley, secretary.  
 Jan. 19-24. Pemberville—Henry Withman, secretary; Emch, Taylor, Nash, and Whitaker, judges.  
 Jan. 19-24. Piqua—George W. Ellerman, secretary; F. L. Platt, judge.  
 Jan. 19-25. New Waterford—Paul Oberholtzer, secretary; D. D. Whitaker, judge.  
 Jan. 20-24. Barberton—E. W. Arnold, secretary; H. C. Miller, judge.  
 Jan. 21-24. Cambridge—J. C. Sarchet, secretary.  
 Jan. 22-27. Fremont—H. E. Cochran, secretary; James Tucker, judge.  
 Jan. 26-31. Paulding—G. P. Klinger, secretary; L. C. Taylor, judge.  
 Jan. 26-31. Upper Sandusky—F. M. Mealy, secretary; L. A. Stream, judge.  
 Jan. 27-31. Leipsic—G. L. Clark, secretary; Jas. Corfman, judge.  
 Jan. 28-31. Zanesville—Frank C. Clester, secretary; George H. Northup, judge.  
 Feb. 2-7. Eaton—Ora Overholser, secretary; L. C. Taylor, H. E. Eswine, judges.

## OKLAHOMA.

Dec. 15-20. Hobart—Harry L. Bretch, secretary; Adam Thompson, judge.  
 Dec. 15-20. Perry—J. F. Tobin, secretary.  
 Dec. 16-20. Hydro—Mrs. Lulu G. Thrallis, secretary; A. J. Myers, judge.  
 Dec. 22-24. Carnegie—P. C. Dawson, secretary.  
 Jan. 26-31. Enid—I. W. Scherich, secretary; C. H. Rhodes, C. A. Emory, judges.

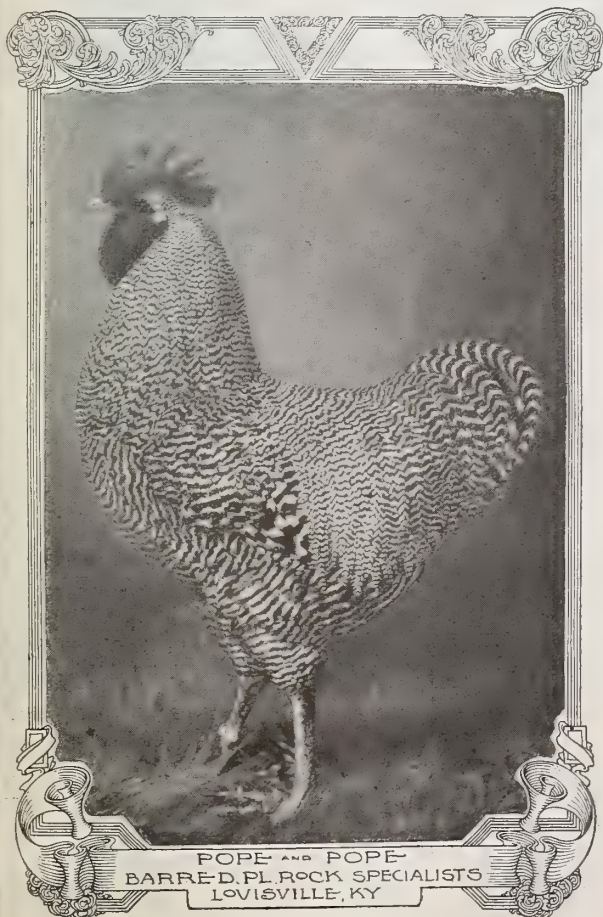
## OREGON.

Dec. 16-19. Salem—Mrs. Ella Plank, secretary; C. G. Hinds, judge.  
 Dec. 16-19. Newberg—Hazel D. Butler, secretary; G. G. Wherry, judge.  
 Dec. 22-28. McMinnville—B. H. Moul, secretary.

Jan. 7-9. Heppner—W. C. Cox, secretary; Keeney, judge.

## PENNSYLVANIA.

Dec. 9-12. Harrisburg—C. S. Smith, secretary.  
 Dec. 16-20. Philadelphia—Frank E. Gilbert, secretary.  
 Dec. 16-20. Uniontown—J. K. Ritenom, secretary; Cornman, Oswald, judges.  
 Dec. 16-21. Waterford—C. S. Shaw, secretary; N. W. Peters, judge.  
 Dec. 22-27. McKeesport—W. W. Sloes, secretary; Geo. H. Northup, Geo. W. Webb, judges.  
 Dec. 23-27. Schwenksville—E. L. Miller, secretary; A. J. Fell, judge.  
 Dec. 23-27. Evans City—Victor A. Barnhart, secretary; F. A. Kummer, judge.  
 Dec. 30-Jan. 3. Boyertown—A. G. Greanes, secretary.  
 Dec. 30-Jan. 2. Lewistown—R. S. Foster, secretary; H. Kenner, judge.  
 Dec. 31-Jan. 3. Seagerstown—H. A. Barr, secretary; Auerswald, judge.  
 Dec. 31-Jan. 3. Biglerville—O. C. Rice, secretary; Cornman, Wiles, judges.  
 Dec. 31-Jan. 3. Kutztown—Jacob C. Koch, secretary.  
 Jan. 5-9. Warren—L. E. Conroy, secretary; J. F. Van Alstyne, judge.  
 Jan. 5-10. Johnstown—W. S. Krise, secretary.  
 Jan. 5-10. Canonsburg—W. L. Arnold, secretary; Whitaker, Auerswald, judges.  
 Jan. 6-10. Butler—David H. Rankin, secretary; A. F. Kummer, judge.  
 Jan. 14-17. Chambersburg—E. E. Eckel, secretary.  
 Jan. 13-16. Johnsonburg—C. J. Bittles, secretary.  
 Jan. 13-16. Stroudsburg—E. M. Paxton, secretary.  
 Jan. 13-17. Greensburg—R. M. Zundell, secretary; J. D. Koons, judge.  
 Jan. 19-24. Pittsburgh—W. P. Craig, secretary; W. S. Russell, W. C. Pierce, A. Fred Kummer, D. W. Young, Fred H. Cook, A. H. Emch, C. D. Cleveland, L. Rawnsley, G. W. Webb, Theo. Hewes, Marcus Allen Northup, A. J. Edwards, E. F. Baldwin, judges.  
 Jan. 19-24. Wilkes Barre—E. B. Harris, secretary.  
 Jan. 27-31. Altoona—H. S. Wertzberger, secretary; A. F. Kummer, O. E. Miles, P. A. Sheid, judges.



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### RHODE ISLAND.

Dec. 17-20. Wakefield—Frank E. Ennis, secretary; Paul V. Ives, Daniel J. Lambert, judges.

### SOUTH CAROLINA.

Dec. 30-Jan. 2. Chester—H. S. Adams, secretary; Brown, judge.  
Jan. 12-16. Woonsocket—Mrs. M. P. Webster, secretary; A. B. Shaner, judge.  
Jan. 26-30. Mitchell—Wm. Scallin, secretary; A. C. Smith, F. H. Shellabarger, judges.

### SOUTH DAKOTA.

Dec. 15-20. Redfield—D. E. Walker, secretary; Elmer Gimlin, judge.  
Jan. 13-15. Salem—Dr. R. H. Fouser, secretary.

### TEXAS.

Dec. 10-12. McKinney—J. W. Hill, secretary.  
Dec. 11-14. New Braunfels—B. Dietel, secretary; H. B. Savage, judge.

tary; H. H. Collier, judge.

Dec. 10-13. Port Townsend—Mrs. A. C. Tweedle, secretary.  
Dec. 11-12. Marcus—Mrs. A. S. Clute, secretary; Oscar Nelson, judge.  
Dec. 15-20. Bellingham—Fritz Reither, secretary; Coats, Breed, judges.  
Dec. 17-20. Pomeroy—C. G. Shawen, secretary; Oscar Nelson, judge.  
Dec. 18-20. Colville—Joe Cleator, secretary; H. H. Collier, judge.  
Dec. 22-28. Spokane—Ira P. Whitney, secretary.

Dec. 29-Jan. 3. Colfax—E. H. Rosenkranz, secretary; F. W. Breed, judge.  
Dec. 30-Jan. 3. Tacoma—Wm. Shipherd, secretary; James A. Tucker, judge.  
Jan. 22-24. Rockford—W. G. Booth, secretary; Oscar Nelson, judge.

### WEST VIRGINIA.

Dec. 30-31. Buckhannon—A. S. Watkins, secretary; M. M. Barger, judge.



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Dec. 18-20. Gatesville—F. A. Stroy, secretary; C. P. Van Winkle, judge.  
Jan. 14-18. San Antonio—Ed. M. Steves, secretary.

### UTAH.

Jan. 12-17. Salt Lake City—H. R. Grow, secretary; Dan Duncan, judge.

### VERMONT.

Jan. 20-22. St. Albans—M. D. Jarvis, secretary; D. J. Lambert, D. P. Shove, judges.

### VIRGINIA.

Dec. 2-6. Roanoke—F. J. Gormican, secretary.  
Dec. 16-20. Warrenton—H. M. Hubbell, secretary.

Jan. 6-9. Norfolk—Paul W. Kear, secretary; Chas. Nixon, Fred Huyler, judges.  
Jan. 13-16. Lynchburg—R. H. Anderson, secretary; Newton Cosh, judge.

### WASHINGTON.

Dec. 8-13. Vancouver—J. W. Wulf, secretary.

Jan. 6-10. Morgantown—E. M. Dille, secretary; S. G. Case, judge.  
Dec. 24-27. Martinsburg—John J. Hetzel, secretary.

Jan. 5-10. Williamston—W. P. Miller, secretary; Chas. Corfman, judge.

Jan. 8-14. Charleston-Kanawha—Julian C. Byrd, secretary; R. L. Simmons, Percy Cook, judges.

Jan. 19-24. Fairmont—C. E. Smith, secretary.

Jan. 26-31. Wheeling—Thomas H. Meek, secretary; Northrup, Auerswald, judges.

### WISCONSIN.

Dec. 16-20. Bangor—E. Williams, secretary; Laabs, judge.

Dec. 23-28. Cedarburg—Dr. E. Liefert, secretary.

Dec. 29-Jan. 2. Mukwonago—R. J. Porter, secretary; W. H. Laabs, judge.

Dec. 30-Jan. 4. Fort Atkinson—C. Roberts, secretary; E. G. Roberts, judge.  
Dec. 30-Jan. 2. Rudsburg—H. D. Kelley,



secretary; Geo. H. Northup, judge.  
 Jan. 5-9. Madison—J. G. Halpin, secretary; G. W. Hackett, W. S. Russell, judges.  
 Jan. 5-9. Lake Geneva—G. B. Stannard, secretary; Chas. V. Keeler, judge.  
 Jan. 5-10. Mineral Point—Allen Tucker, secretary; Carl Dare, judge.  
 Jan. 6-9—Stanley—F. W. Starr, secretary; W. H. Laabs, judge.  
 Jan. 7-14. Sparta—J. L. Herbst, secretary; L. C. Taylor, judge.  
 Jan. 8-11. Plymouth—W. E. Beiersdorf, secretary; Geo. M. Wells, judge.  
 Jan. 12-18. Racine—E. J. Amundsen, secretary; R. V. Hicks, G. W. Hackett, judges.  
 Jan. 15-17. Barron—John West, secretary; Hackett, judge.  
 Jan. 20-24. Superior—W. A. Roycraft, secretary; Geo. W. Hackett, judge.  
 Jan. 21-25. Green Bay—Elmer Schultz, secretary; Earl Hemenway, judge.  
 Jan. 23-26. Oshkosh—Frank L. Pugh, secretary; Geo. W. Wells, judge.  
 Jan. 24-29. Beloit—F. M. Walker, secretary; J. M. Rapp, W. H. Laabs, judges.  
 Jan. 26-30. Manawa—A. C. Lindsay, secretary; W. H. Laabs, judge.  
 Jan. 27-31. Waukesha—Elmer M. Webb, secretary; J. C. Johnston, judge.  
 Jan. 28-Feb. 1. Wausau—L. H. Cook, secretary; George W. Hackett, judge.  
 Jan. 29-Feb. 1. Appleton—R. E. Carneross, secretary; Geo. M. Wells, Chas. McClave, judges.  
 Feb. 2-7. Waterford—H. W. Halbach, secretary; James A. Tucker, judge.  
 Feb. 9-14. Waupaca—F. A. Houseman, secretary; G. D. Holden, judge.  
 Feb. 11-15. Sheboygan—Geo. L. Spratt, secretary; Hackett, Borchardt, judges.  
**WYOMING.**  
 Dec. 31-Jan. 3. Cheyenne—C. F. Smith, secretary; D. A. Stoner, judge.

### A Visit to Holter's Roost.

W. D. Holterman is the man behind the gun at Holter's Roost, Fort Wayne, Ind., where is produced the Aristocrat strain of Narrow Barred Plymouth Rocks. This farm is located about four miles out of Fort Wayne, Ind. In our rounds of visiting all the principal poultry farms, in five states, covering three, Michigan, Indiana and Ohio thoroughly, the writer can truthfully state, and that, too, without being at all egotistical, that he ought to be some authority on poultry farms in general, and furthermore can say that this farm is among the very finest. The scenery is strikingly picturesque, a beautiful grove forming the background to this beautiful suburban home. Mr. Holterman is justly proud of his fine terraced lawn, which is in part the work of his own hands and his son's. The residence is one of the finest which has been our privilege to enter and is built of red brick and faced stone and is located about in the center of the aforesaid terraced lawn. Mr. Holterman's office is a large room in the front of this beautiful home and is furnished and equipped in keeping with Mr. Holterman's original and practical ideas—originality and practicability being carried to extreme in everything and everywhere. Mr. Holterman is a man of ideas and of a nationality, as his name indicates, that makes a success and makes ideals realistic. He is also a man possessed of pleasing and strong personality. To meet him is but to admire and esteem him. It is our good fortune to be pleasantly and hospitably entertained among our fellow fanciers (which is duly appreciated, we assure you, and it means much to us, for banging around on the road is not all sunshine) and Mr. and Mrs. Holterman are among the most hospitable, so we naturally look forward with no small degree of pleasure to a visit at the home of the Aristocrats.

Some 15 years ago when Mr. Holterman espoused the fancy poultry business and determined to adopt the grand old Barred Plymouth Rocks as his choice there was as much difference in the quality compared with what the Aristocrats are today, as there is in the automobile of today compared with the original attempts. After studying carefully the Barred Plymouth Rocks he first considered the type and size desirable for a table fowl, also the appearance of the head, crowned with its neat comb, red lobes, bay eyes, together with yellow shanks, a combination that was quite pleasing, but the plumage with its indistinct and smutty barring grated on his artistic taste. Here he conceived the idea of the work that lay before him and with steady patience and persistent determination he set out to show the world what the ingenuity of man could do to the color and barring. He made a survey of the situation and got in touch with the best breeders of the land and finally succeeded

in securing the best he could get in color and barring and this at no small expense. He confined his effort to very small matings for pullets and cockerels, advancing steadily from year to year to the extent of having more of the desired quality to suit his exacting taste. Following this method up until the present time we find the best narrow barring ever produced and a large per cent of the birds showing most wonderful color. Doubtless no other breeder of Barred Rocks has given more or perhaps quite as much study to the quality of fibre and texture of feather as he has. He is now a professional in the color scheme of mating Barred Rocks for narrow barring in both sexes.

The beautiful colored plate which he ran in the November, 1912, issue of American Poultry Journal is true to life and represents his birds as seen on the home place. This pen was used to produce exhibition cockerels that made good in leading shows in many climes. This pen also produced some great cockerel breeding pullets, a goodly number of which Mr. Holterman reserved for his own matings for last season, and from these he has to offer some ex-

clusively fine stock for the coming shows. In talking it over with Mr. Holterman as we roamed round the farm and grove he gave us his experience, stating that these birds are a result of painstaking, systematic line breeding from generation to generation. Prince Ringy IV coming in direct line from Old Ringy, who sired the sensational Prince Ringy III by which this Prince Ringy IV was sired, and he has outdone his predecessors in siring Prince Ringy V. What his get will be remains to be seen next year. The prospects are indeed most promising and flattering to Mr. Holterman and purchasers of eggs from his pens. Mr. Holterman has another entirely distinct family for the breeding of cockerels known as Prince Manybar family. The two families are kept separate and when he feels the introduction of a little new blood is in keeping he carefully blends the two families. This eliminates the necessity of purchasing other strains. It is our candid opinion that Mr. Holterman is one of the most conscientious line-breeders in the United States. Considering the fact that the Aristocrats are so originally bred for so many generations, the power

## One Gallon Oil—One Filling X-Ray Does The Rest



Put one gallon of oil in your X-Ray Incubator Tank. Light the lamp underneath. In 15 minutes your X-Ray is at perfect hatching temperature (Others require 4 to 8 hours.) Then your X-Ray takes the oil and lamp work away from you.

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because the Central Heating Plant is underneath—in the middle—where it should be. All the heat is used—just enough and evenly supplied to every corner of the egg chamber.

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X-Ray Brooder also has the Central Heating Plant. The floor always warm and dry. Air always fresh without chill. The book shows you WHY X-Ray poultry-raisers get more chicks—healthier chicks—greater poultry profits.

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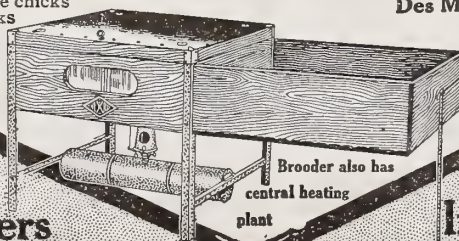
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The new X-Ray Factory at Des Moines, Iowa, is the largest exclusive incubator factory in existence. Completely equipped with the most modern machinery. It enables us to produce the best incubator—best in materials—best in workmanship as well as best in principle—at the lowest prices. No finer incubator construction can be found anywhere than this factory can put out.

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**X-Ray  
Brooders**



Gives chicks healthiest start

**X-Ray  
Incubators**



### Sworn Statement Made Under New Postal Law

Statement of the ownership, management, etc., of AMERICAN POULTRY JOURNAL, published monthly at Chicago, Illinois, required by the Act of Aug. 24, 1912.

Note—This statement is to be made in duplicate, both copies to be delivered by the publisher to the postmaster, who will send one copy to the Third Assistant Postmaster General (Division of Classification), Washington, D. C., and retain the other in the files of the post office.

Editor—James W. Bell, Chicago, Ill.

Managing Editor—Dr. Prince T. Woods, Silver Lake, Mass.

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Henry G. Eisert, Chicago, Ill.

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J. G. Zimmer, Ft. Wayne, Ind.

Mrs. J. G. Budde, Oak Park, Ill.

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There are no bonds, mortgages or other securities outstanding against American Poultry Journal Pub. Co., Chicago, Ill.

James W. Bell, Business Manager.

Sworn to and subscribed before me this ..... day of September, 1913.

[Seal.] Hy. G. Eisert, Notary Public.

### Tolman's White Rocks

Baby Chicks. The Soft Roaster Strain.  
Joseph Tolman, Dept. H, Rockland, Mass.

## COLUMBIA

CLARK AND MADISON STS.

## BURLESQUE

NEW SHOW EVERY SUNDAY

TWICE DAILY

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Real Novelty

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BIG GIRLIE  
SHOWS

While in the city see the

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SISTERS'**

Big Show, Dec. 12-13

THE  
**CRACKER JACKS**

Dec. 14-15-16

to reproduce themselves is undisputed and not only that but will reproduce themselves progressively. Valuable and instructive information may be obtained on the subject by a study of the Aristocrat catalogue which is gratis to all breeders and should grace every fancier's library and office.

Mr. Holtermann has a large number of birds ready for the show room and ships on approval so that the purchaser takes no risks in being dissatisfied. When we visited "Holters Roost" the week of the Indiana fair he had over two thousand birds and we could but note the great improvement in type and head points. The ideal conditions under which they are grown make them very healthy and of large bone. Mr. Holtermann's son Louis is of invaluable assistance to his father, both in rearing the youngsters and in the office. Under his father's tutoring he will be a narrow barring specialist, dyed in the wool from his childhood. Mrs. Holtermann, like many other fanciers' wives, is a power behind the throne and is a woman for caring for baby chicks whose care usually surpasses that of the stronger sex. She is also a woman of sound judgment and is Mr. Holtermann's co-worker and counsel.

One more subject not to be forgotten and to be briefly touched upon is the buildings. Of all artistic and ornamental poultry houses we ever saw is the main building, which is twelve sided and divided into twelve pens, a circular space is left in the center, making it only a step to care for each pen. This building is a two story structure, the upper floor of which is utilized for a conditioning, shipping and feed room. The past season Mr. Holtermann has introduced the Diaphragm style buildings designed and copyrighted by our artist, Mr. Louis A. Stahmer. These buildings are in the grove and are giving perfect satisfaction.

To return to the Aristocrats, every bird Mr. Holtermann has sent out has given satisfaction and those purchased for certain shows have never failed to make good. He is literally flooded with strong and flattering testimonials from satisfied customers. His last season's business was unusually good and as he runs his fancy business in a strict business way, being liberal with printer's ink, which is absolutely indispensable, considering the above facts about the quality of his birds and the satisfied customers, we congratulate him. He is very optimistic for the future outlook for the same reasons and hopes to double his business the coming year. Here's hoping for a bright future for the Aristocrats themselves and customers who wisely purchase them.—H. H. Coburn.

### Poultry Remedies.

On another page of this issue will be found the advertisement of George Sixeas, New Castle, Va. He is offering readers of American Poultry Journal remedies for the cure of various poultry diseases.

Mr. Sixeas has handled and cured more sick chickens and turkeys than any living individual. His preparations are based on scientific knowledge and practical experience. His wonderful cures are attested by leading poultry raisers. His Cholera Cure is unexcelled for cholera or white diarrhoea, roup remedy quickly cures canker, colds and roup, the Poultry Powder will prevent disease and keeps poultry in laying and growing condition. Look up his ad if in need of poultry remedies. His prices are very reasonable.

W. J. Brinkley, Iuka, Mississippi, the well-known breeder of White Plymouth Rocks, reports the following winning at Jackson, Miss.: 1-2-3 cock, 1-2-4 hen, 1-2 cockerel, 1-2 pullet, 2 pen. Whitest bird in the show and best cockerel and pullet. These winnings, together with his great winnings at Memphis and Little Rock, is certainly a record to be proud of, and prove that he is producing White Plymouth Rocks of the highest quality. If you are looking for something that will win for you and produce winners, write him and mention American Poultry Journal.

For a year or more past we have liberally recommended the use of "French's Poultry Mustard" for growing chicks, moulting fowls, conditioning for the shows and for layers, and we now have dozens of letters from users in all sections of the country who have been benefited by its use. One of the large egg farms has used several tons.—H. P. Schwab.

R. A. Hewes, Crete, Ill., breeder of Black Langshaus exclusively, made the following winning at the late Illinois State Fair: 2nd cock, 1st and 2nd cockerel, 1st and 3rd pullet, 1st pen.

Dont forget to read back inside cover

### GRANNIS BROS.

Bryn Mawr Park, Yonkers, New York

White and Buff Orpingtons, White Wyandottes, White Leghorns, Single and Rose Comb R. I. Reds.

### Elgin Hovers Are Best

Read what Our Poultry Fanciers say

Curtis Lyman, St. Charles, Ill.—More than pleased with the (3) hovers. A. N. Curtis, Elgin, Ill.—Two (2) hovers work fine. Robt. Newcomb, Williams Bay, Wis.—Using three (3); can't be beat.

The Elgin Poultry Supply Co., Elgin, Ill.

### HOOSIER ROSE COMB WHITE ORPINGTONS

I showed 25 R. C. White Orpingtons at the recent Ill. State Fair and won all the prizes. Have some S. C. White Leghorns (young strain) for sale.

E. C. Heaton : Scircleville, Ind.



### A Positive Necessity Carter's Green Food Feeder

Capacity ½ bushel Cabbage, Beets, Clover, Suet, Meat Bones, etc. Can't injure head or comb. Green Food thrown on floor or in pans is half wasted, gets foul and is unfit for food.

Winnipeg, Manitoba, Jan., 1913  
Dear Sir: Money order enclosed. Send another dozen Green Food Feeders. They are just right. A. STEWART.

Price 30c. each. \$3.00 per dozen delivered free to you. Guaranteed satisfactory money refunded.

A. Q. CARTER  
Freeport, - Maine  
Patent Applied For

## JOE-PYE Orpingtons

THE fact that we won Display Special or greatest number of points this year at the three largest American shows—Madison Square Garden, Boston, Grand Central Palace, N. Y. proves conclusively that we can breed quality. Our free illustrated mating list gives information about our farm and breeding pens.

**JOE-PYE ORPINGTON FARM**  
HARRY STACEY BENTON, Owner  
R. F. D. 5, SO. NORWALK, CONN.



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## ANCONAS.

HIGH CLASS DARK Ancona cockerels. Only best birds offered. Prices \$3 and up. Miss L. L. Garvin, Rural Box 36, Wheeling, W. Va. 12-2

ANCONAS—EITHER COMB. Fancy show birds now ready; let me help you when you show. Mark Lewis, Alma Center, Wis. 12-2

ANCONAS, SHEPPARD'S. "Living Egg Machines." Stock. Eggs, 15, \$2.00; 30, \$3.50. Rev. E. H. Keator, Franklin Park, N. J. 12-5

PURE BRED, LARGE, VIGOROUS Anconas. unusually fine style, color and build. Graf Hubbard, Lock Haven, Pa. 12

CHOICE ANCONA COCKERELS, \$3, \$5 and \$10. Two fine cocks, \$5. Miss C. M. Lukens, Brewster, N. Y. 12

ANCONAS, REPRESENTING SEVERAL years' breeding from the best blood. Winners at good shows, persistent egg producers, beautiful and prolific. Write for mating list. S. B. Sykes, Gloversville, N. Y. 12-2

ANCONAS—SINGLE COMB, pullets laying at five months, few fine cockerels for sale, limited number of hatchings after Jan. 1st. Chas. Burd, Massillon, Ohio. 12-2

CHOICE EXHIBITION COCKERELS for sale. Dr. J. E. Berry, Powhatan Point, Ohio. 12-2

S. C. ANCONAS, SHEPPARD'S famous strain, large, dark, farm raised, dark tail and wings; won 14 ribbons last show. Best mating, \$2.50 per 15, prepaid parcel post. Guarantee good hatch. Stock for sale. Mrs. M. R. Ward, R. F. D. 3, Carmi, Ill. 12-2

ANCONAS—A FEW FINE yearling hens and dark, long bodied, low-tailed cockerels; eggs in season. Rev. W. J. Perry, Oconomowoc, Wis. 12-2

RIVERSIDE ANCONA POULTRY YARDS. Going to change my business; will sell my prize flock, consisting of cocks, cockerels, pullets and hens. Prices reasonable. T. B. Stewart, Powhatan Point, Ohio. 12

WHITE ANCONAS—The real egg makers, "comers." Hillsdale Poultry Farm, Greensburg, Ind. 12

SHEPPARD'S FAMOUS ANCONAS—THE world's best. See display advertisement first page. Cecil Sheppard, Berea, Ohio. 11-13-1yr

ANCONAS, SINGLE COMB young and old stock for sale; the great winter laying strain. C. E. Brown, Powhatan Point, Ohio. 11-1

MUSKINGUM POULTRY FARM Anconas—Stock for sale. Eggs and chicks in season. Catalogue free. Evans & Timms, Malta, Ohio. 11-1

ANCONAS—"LIVING EGG MACHINES." Sheppard strain. Cockerels and yearling hens. Rev. E. H. Keator, Franklin Park, N. J. 11-1

CHOICE FARM RANGE Single Comb Ancona cockerels for sale. Will spare a few trios. Carl Ebert, Whittemore, Iowa. 11-1

FOR SALE—SEVERAL HIGH CLASS Ancona yearling hens at \$2.00 and \$2.50 each. Also a few high class cockerels at \$2.00 to \$3.00 each. Address Dr. J. H. Foquet, Oil City, Pa. 11-1

ANCONAS FOR SALE—Single comb cockerels \$2.50 each, your choice; father of cockerels scores 92, \$5.00; eggs, \$1.50 fifteen. Chas. H. Dean, South Deerfield, Mass. 11-1

OUR ANCONAS WIN at such leading shows as London, Eng.; Cleveland, Madison Square, Columbus, Toledo, Allentown, Pa. J. O. Somers, Bedford, O. 10-12

BLENCOE'S FAMOUS ANCONAS. Silver cup winners. Exhibition and utility stock for sale. George Blencoe, Alma Center, Wis. 10-12

ANCONAS—BOTH COMBS. Grand breeding stock. Fine young birds. Superb show winners. Dr. Guy Blencoe, Vice-Pres. International Ancona Club, Alma Center, Wis. 10-13-1f

PRIZE WINNING WINTER-LAYING Anconas—Mottled single comb birds of excellent quality, old and young stock. Prices reasonable. Cress Hill Farm, Hillsboro, Ill. 10-12

HENNIGER MOTTLED ANCONAS. Single comb prize winners. Cocks, cockerels, hens and pullets for sale. Prices reasonable. J. A. Henniger, Sistersville, W. Va. 10-12

FINE ANCONA COCKERELS for sale. E. F. Bender, Wheaton, Ill. 10-12

WANDSCHNEIDER'S GREAT ANCONAS, Ft. Atkinson, Wis. Stock for sale. My birds are bred to lay, win and pay. Write me. 11-1

## ANDALUSIANS.

BLUE ANDALUSIAN cock, hens; good breeders. Mrs. S. H. Brooks, Salem, Ind. 12-2

## BANTAMS.

EXHIBITION BANTAMS—All standard varieties. Shipped on approval. Catalog 2c. F. C. Wilbert, Grand Rapids, Mich. 12-2

BLACK-TAILED JAPANESE Bantams, \$2.50 pair. C. L. Colter, Rock Creek, Ohio. 12-2

BLACK TAIL JAPANESE or White Cochins Bantams, \$3.00 a pair, \$4.00 a trio. Louis Yender, Naperville, Ill. 12-2

IMPORTED BANTAMS, ALL VARIETIES—Young stock for sale. Approval. W. J. Greenman, Cortland, N. Y. 12

BLACK AND WHITE Cochins Bantams, guinea pigs. C. W. Osborne, R. 2, Youngstown, O. 12

WHITE PIGMY BANTAMS—Beauties. Cockerels, \$1.00 up. Jesse Morris, Kings, Ill. 12

GOLDEN SEABRIGHT BANTAMS, fine birds, \$3.00 pair. George Johns, Oglesby, Ill. 12-2

SILVER SEABRIGHT BANTAMS. We have a fine flock of birds, Rose & Proper strains. Some will be sure winners this season. Prices reasonable. James Stevens, manager for M. C. Herrmann, Ardsley, N. Y. 11-12

BLACK, BUFF, WHITE and Partridge Cochins Bantams. Walter Schaefer, Mt. Pulaski, Ill. 11-1

EXHIBITION JAPANESE Bantams—Black Tailed, White, Black, Golden Seabright and Black Rose Comb. Stock for sale. Hez Kinter, Dillsburg, Pa. 11-1

"MOHAWK STRAINS SUPERIOR," largest breeders; leading varieties Game and Cochins Bantams. Madison Square Garden winners, shipped on approval. Mohawk Bantam Yards, Box "E," Schenectady, N. Y. 11-1

10 VARIETIES OF BANTAMS. Lot of grand show birds and breeders for sale. Circular. Hal Carman, Petersburg, Ill. 10-12

COCHIN BANTAMS—Partridge and Blacks. Winners at Boston, Buffalo, Baltimore, Chicago, Indianapolis, Guelph and others. John D. Prideaux, Benton Harbor, Mich. 11-1

WHITE COCHIN BANTAMS. High grade exhibition stock, scoring to 964. Winners. Toledo, Dayton, etc. Satisfaction guaranteed. Irwin Mankel, Upper Sandusky, O. 10-12

BANTAMS bring profit and pleasure. Our monthly tells how and why. Send 50c for a year's subscription or ten cents for a three months' trial. American Bantam Fancier, 933 Advertising Bldg., Chicago. 10-12

THE BEST IN ROSE Comb Black and White Japanese Bants. 100 grand youngsters from our New York and Boston winners. \$1 up. Clarence F. Davey, Vineyard Haven, Mass. 10-12

LIGHT BRAHMA BANTAMS—Finest flock in the world to choose from. Winners at leading shows. A few show birds and breeders for sale. No eggs. J. Hart Welch, Box C, Douglaston, Long Island. 1-13-1 yr.

BUFF COCHIN BANTAMS. Entire stock for sale. Write for prices. Kopp, 22 Furman Ave., Maspeth, N. Y. 10-12

RARE BARGAINS. Golden and Silver Seabright, Buff, Black, White and Partridge Cochins, Rose Comb Black, Black Tailed Japanese, Red Pyle and Black Red Game Bantams. Proper & Son, Schoharie, N. Y. 8-13-1yr

## BRAHMAS.

GILT-EDGE STRAIN Light Brahmans; best in the west; 200 choice birds for sale. Birds yarded for the egg season Jan 1st. Write me. Mrs. W. G. Robinson, Bowling Green, Mo. 12-2

LIGHT BRAHMAS FOR SALE—Both young and old stock, both sexes. Prices are right. Satisfaction guaranteed. Write me your wants. Geo. O. Lister, Sibley, Iowa. 12-2

LIGHT BRAHMAS. Good dark markings; circular free. Charles Hunt, Clarksville, Iowa. 12-2

DARK BRAHMAS. Forty years' breeding, exhibiting and winning. Dr. S. Lott, Bellona, N. Y. 11-1

DARK BRAHMAS. Exhibition cockerels for sale. Extra good laying strain. Jibben Sisters, Blairsburg, Iowa. 12

## BUCKEYES.

HIGH CLASS COCKERELS. Prices right. W. E. Crabbs, Toledo, Ohio. 11-12

WEISBERG'S QUALITY BUCKEYES, pullets now laying. Choice trios \$10, pens \$15. Free catalogue. A. H. Weisberg, Nevada, Mo. 10-12

BUCKEYES, WINNERS MADISON SQUARE, Boston, Cleveland, Washington, Scranton. Catalogue free. Lindley Place, Meshoppen, Pa. 5-13-1f

## BUTTERCUPS.

BUTTERCUP COCKERELS (May hatched), \$2.00 to \$5.00 each. Pringle & Darken, Fair Haven, N. J. 12

SICILIAN BUTTERCUPS, exceptionally fine cockerels for breeding purposes, \$3.00 to \$5.00 each. G. E. Lampson, Penn Yan, N. Y. 12-2

BUTTERCUPS—BROWE'S "Everlasting Layers." Cockerels, pullets and yearling hens. Eggs, 15, \$3.00; 30, \$5.00. Rev. E. H. Keator, Franklin Park, N. J. 12-5

BUTTERCUP PLACE—Stock for sale. Eggs and chicks a specialty in season. Catalogue free. J. E. Timms, Malta, Ohio. 11-1

BUTTERCUPS FOR SALE—Cockerels, trios and pens of excellent stock. Fred Fenn, R. D. 3, Torrington, Conn. 11-1

SICILIAN BUTTERCUPS OF QUALITY. Booking egg orders now from my blue ribbon winners. A few choice cockerels for sale. Descriptive booklet free. Correspondence solicited. A square deal to all. M. A. Rood, Buttercup Specialist, Garretttsville, O. 11-2

## CAMPINES.

SILVER CAMPINES worth while. Breeder and show birds. "Mart Rahn, R. 20, Clarinda, Iowa. 12-2

SILVER CAMPINES, stock and eggs, reasonable. August W. Schroeder, St. Peter, Ill. 12-1

CAMPINES—SILVER, GOLDEN; Kennedy's Cockerels. "Lay and Pay." Eggs, 15, \$6.50; 30, \$6.00. Rev. E. H. Keator, Franklin Park, N. J. 12-5

SILVER CAMPINES—Improved Silver Campines, choice young stock. Rev. W. Berberich, Groton, N. Y. 12-2

SILVER CAMPINE COCKERELS. Paragon Poultry Yards, Streng St., Cincinnati, O. 12

CHAMPION IMPROVED SILVER and Golden Campines (Kennedy's best pens), grand cockerels, choice Silver pullets. Thos. Brogden, Rush Lake, Wis. 12-2

MRS. CARVER'S GOLDEN and SILVER Campines. Baby chicks from my best birds now ready for fall delivery. Buy chicks from my best females to breed from next season. Mrs. A. A. Carver, Carver's Red Farm, Seville, Ohio. 11-13-1f

FOR SALE—SILVER Campine cockerels; will exchange for pullets. Box 198, Ft. Wayne, Ind. 11-1

SILVER CAMPINE COCKERELS for sale. Jacobus strain direct. Louis Watermann, New Bremen, Ohio. 11-1

SILVER CAMPINES from imported English stock \$4.00 each. Edward Buss, Janesville, Wis. 11-1

HEADQUARTERS FOR SILVER and Golden Campines. Send for free book and catalogue on Campines, giving complete history, description, etc., together with lowest prices on utility stock breeders and show birds. E. B. Benson, Latimer, Iowa. 10-12

IMPROVED CAMPINES—Golden and Silvers (yearlings) and young stock for sale (farm-raised). Catalogue free. Klager's Poultry Yards, Hespeler, Ontario, Canada. 9-12



## COCHINS.

HIGH GRADE PARTRIDGE Cochins exclusively. E. C. Jolly, Franklin, Ill. 10-12

## CORNISH.

DARK CORNISH HENS for sale. Indianapolis winners, 1913 show. Ora Pickett, Waynetown, Ind. 12

TEMPLETON'S DARK CORNISH won silver cup, best display, San Jose. Exhibition birds and breeders for sale. W. S. Templeton, Campbell, Cal. 12-2

WHITE AND DARK CORNISH of quality. Stamp for prices. W. B. Grinyer, Eleroy, Ill. 10-12

## DOMINIKES.

THE VERY BEST there is in Dominiques. A Q. Carter, Freeport, Me. 12-13-tf

## FAVEROLLES.

WHITE FAVEROLLES from finest imported stock. Ownlands Farm, South Hammond, N. Y. 12

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200 FISHEL DIRECT cockerels and hens for sale. Henry Heitkamp, New Bremen, Ohio. 11-12

WHITE ROCKS (FISHEL). Husky, vigorous cockerels \$2.00 up. Pens or trios. Thomas Richardson, Evanston, Ill. 10-12

WHITE PLYMOUTH ROCKS. Large farm raised stock bred from males weighing 9 to 14 lbs. Females 7 to 10 lbs. 150 cockerels, 150 pullets for sale. Breeders or exhibition stock at reasonable prices. H. L. Brown, Oxford, O. 11-1

WHITE ROCKS, FISHEL STRAIN. Hundreds of good birds at bargain prices. Show birds, breeders, utility flocks. K. I. Miller, Box T, Lancaster, Mo. 10-12

WHITE PLYMOUTH ROCKS. Blue ribbon winners at several big shows. I have extra fine, old and young stock to spare at reasonable prices. Martin Hanson, 314 Douglas St., Goshen, Ind. 10-12

**BUFF PLYMOUTH ROCKS.**

BUFF ROCKS. BEST QUALITY. Winners Madison Square, Boston, Lebanon and Womelsdorf, Pa. Can furnish young and old stock to win. Will ship C. O. D. Gem Poultry Farm, Newmantown, Pa. 12

BUFF ROCKS! The world's greatest strains; 200 choice birds sired by prize winners for sale at sensible prices. Breeding or exhibition quality. Frank Kramer, Fort Atkinson, Wis. 12-2

BUFF ROCK COCKERELS and pullets, fine selected utility stock, \$1.50 each, trio \$4.00, pen \$6.50. J. A. Heiser, Fisher, Ill. 11-1

BUFF ROCKS—Circular. W. R. Hobbie, Bank Building, Kankakee, Ill. 12-12-12

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OUR PARTRIDGES WON at Detroit, Syracuse, Springfield this year. Prices reasonable. Cyrus Pattee & Son, South Bend, Ind. 12-2

MEADOWLAWN POULTRY YARDS. Sand Creek, Michigan. Partridge Rocks, Nottzger strain only. High scoring, utility, range raised. 12-2

"RIVERDALE" PARTRIDGE ROCKS. Descendants of "Pride of Riverdale," of which Theo. Hewes says: "Best Rock male ever produced." R. F. Schuler, Roann, Ind. 12-1

PARTRIDGE PLYMOUTH ROCKS. Cockerels, \$2.00; trios, \$7.50. Satisfaction guaranteed. Fred Kypke, Lake Mills, Wis. 12-2

PARTRIDGE ROCKS. Fine hens and pullets for sale. W. R. Craun, Butler, Ind. 12

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PARTRIDGE ROCK COCKERELS, from a pen direct from Nottzger. C. Sheahan, Galesburg, Ill. 12

PARTRIDGE ROCKS. America's best strains. Choice cockerels and few trios for sale. Woodside Farm, Middleport, N. Y. 11-1

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HEY, LOOK HERE! Otter Creek Poultry Farm, Toledo, O., can furnish you high-class Columbian Rock eggs at reasonable prices. 12

COLUMBIAN PLYMOUTH ROCKS. You will like the stock we raised this season. Any quality you desire, but only 175 birds left. Better write now. G. W. Garlock, Fort Atkinson, Wis. 10-12

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MY PRIZE WINNING Silver Penciled Plymouth Rocks have won at Madison Square, Central Palace, Hempstead and Riverhead and will win for you. Wm. M. Jones, East Hampton, N. Y. 12-2

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1000 VIGOROUS, STYLISH YOUNGSTERS for sale. Plain Silver, Plain Golden, White Crested White and White Crested Black varieties. Handsome, illustrated catalog. Silver-side Poultry Yards, Box F, Fort Wayne, Ind. 10-12

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IMPORTED ENGLISH RED CAPS. Imported English Red Caps, pullets and cockerels, for sale, for show room or for breeding purposes. I bought Pens 1, 2 and 3 from Z. T. Turner & Sons, of Eleroy, Ill., the best in the U. S. I have only the best. Write me your wants. Address Lee O. Wolfe, Importer and Breeder of Red Caps, Titonka, Iowa. 10-12

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ROSE COMB REDS. Blue ribbon winners at Peoria, Pekin, Bloomington. Cockerels for early shows, \$3.00 up. Walter A. Getz, Tremont, Ill. 12-2

ROSE AND SINGLE COMB RED cockerels from first prize winners Northern Iowa Poultry Show at New Hampton. Satisfaction guaranteed. Correspondence solicited. Lynn Stafford, Watcoma, Iowa. 12-2

ROSE AND SINGLE COMB stock and eggs reasonable; Buschmann's strain. August W. Schroeder, St. Peter, Ill. 12-1

ROSE AND SINGLE COMB REDS. Cocks and Cockerels, quality and vigor. Large assortment now. Reds of all ages. Let me know your wants. F. L. Snedeker, 170 North 19th St., East Orange, N. J. 12-2

FINE TOMPKINS STRAIN Rose Comb Red pullets and cockerels. Guaranteed. Dr. Bradshaw, Ogden, Iowa. 12-2

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BIG, STRONG, dark cockerels \$3.00 up. Pullets \$2.00. Write now. Otis Harter, Delphos, Ohio. 12

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BIG BONED S. C. REDS. High scoring, red eyes, long back, low tail, \$2.50 and \$5.00 each, guaranteed. Lela Osterfoss, Hedrick, Iowa. 11-1

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EXTRA BIG BONED deep red, high scoring R. C. Reds, red eyes, long back, low tail, \$2.50 and \$5.00 each; guaranteed. Higbland Farm, Hedrick, Iowa. 11-1

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WHITE FACE BLACK Spanish. Have bred them exclusively for fancy seventeen years. Mrs. Hattie Tyler, Fairview, Kan. 11-1

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**OUR BABY CHICKS** hatched from trap-nested layers will be at both Chicago Shows. We are taking orders for January and February delivery on White Leghorns, Orpingtons, Rocks and Wyandottes. Crystal Hatcheries, Peabody Farms, Hinsdale, Ill. 12-2

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**INDIAN RUNNER DRAKES,** English Walton strain, from prize winners; prices right. S. A. Smith & Son, Geneva, N. Y. 12

**INDIAN RUNNER DUCKS.** Fawn and white, \$1.00 each. Fern Sawtell, Colo. Iowa. 12

**INDIAN RUNNER DUCKS.** Fawn and white. Heavy layers of pure white eggs. Exhibition drakes and ducks at reasonable prices. Circular and winnings free. Mrs. J. M. Kemp, Kenney, Ill. 12-2

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**RECORD WHITE RUNNERS,** from Madison Square and Chicago blue ribboners. Spencer (originators) strain. No Pekin blood. Lay strictly white and large eggs. Outlay our Corning-Rancocas. White Leghorns. Fine, racy type. Choice young drakes for sale at one-fifty to five dollars each. Address, White Beauty Egg Farm, Route 2, Atwood, Ill. 12

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**WHITE RUNNERS** from imported stock, first. Garden, 1913. Glenwood Duck Farm, Dixon, Ill. 10-12

**INDIAN RUNNER DUCKS,** fawn and white; white egg strain; powerful heavy layers. Stock and eggs for sale; 40% discount balance of season. C. J. Yoder, Grantsville, Md. 10-13-14

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**WHITE RUNNER AND BUFF** Orpington Ducks. I am headquarters. Greatest strains on earth. Matt Rahn, R. 20, Clarinda, Iowa. 12-2

**DUCKS—MAMMOTH PEKIN,** American Standard, Indian Runners. Two dollars each. Three for five. C. W. Osborne, Route 2, Youngstown, Ohio. 12

**MAMMOTH PEKIN DUCKS.** White egg strain. Choice young stock for sale. Drakes, \$2 to \$5. Eggs in season. Split Rock Poultry Farm, LaSalle, Ill. 12-2

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**PEKIN DUCKS, EXHIBITION** and breeding stock. Reasonable if sold now. W. H. Morris, Mattoon, Ill. 12-1

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**MAMMOTH BRONZE TURKEYS,** very large, splendid shape and fine plumage. F. R. Edwards, Prop. Oakdale Farm, R. F. D. 9, Tiffin, O. 12-2

**"KENTUCKY THOROUGHBREDS,"** America's biggest and best Mammoth Bronze Turkeys. Mrs. Robt. Bowles, "The Maples," Kevil, Ky. 12-2



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BRONZE AND WHITE TURKEYS. Bouncing big ones from winners. Hillsdale Poultry Farm, Greensburg, Ind. 12

WHITE HOLLAND TURKEYS. 1st cock, 1st cockerel, Indianapolis, 1913. Extra fine White Runners. Satisfaction guaranteed. Ray Bottorff, Cortland, Ind. 12-2

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MAMMOTH BRONZE TURKEYS. Large, healthy 20 lb. toms, \$6. Mrs. Garnett Poindexter, Frederick Hall, Va. 12

BUFF TURKEY TOMS. Fine; \$5 each. J. O. Beeman, Sherman, Kans., Eox 49. 12

FINE WHITE HOLLAND toms from prize winning stock, \$5 to \$7. O. G. Fifeid, Lowell, Ind. 12

FOR YOU—My fine flock of Bourbon Red turkeys. G. W. Wilson, Trimble, Ill. 11-1

BOURBON RED HENS, \$4.00 each, toms \$5.00. Mrs. Mary Sawtell, Colo. Iowa. 11-12

S. F. FOUTS, PETTYSVILLE, IND. Sixty fine, vigorous bronze turkeys for sale. You get size, shape and reasonable amount of fancy markings when you order of me. Your correspondence solicited. 11-1

MAMMOTH BRONZE TURKEYS. Extra good ones cheap. Samuel Elkins, Route 2, Warren, Ind. 11-1

AMERICA'S LEADING WINNERS in Giant Bronze Turkeys and Partridge Plymouth Rocks. See our adv. on page 151 2-tf

BOURBON REDS—until Christmas. Toms, \$5; hens, \$4. Toulouse geese, \$3. Kathryn Fitzgerald, Valparaiso, Ind. 10-12

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TOULOUSE GEESE, very large stock; breeding stock weighing 30 to 40 lbs.; true markings; good layers. F. R. Edwards, Prop. Oakdale Farm, R. F. D. 9, Tiffin, O. 12-2

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FOR SALE—MAMMOTH TOULOUSE Geese, the big kind; also Brown and White China Geese. Geo. Reiling, Burnt Prairie, Ill. 13

CHOICE WHITE CHINA GEESE for sale, \$4.00 a pair. Oliver P. Matter, Plainfield, Ill. 12

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## 11 Four Color Pictures

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is one of the big features of the book, giving a complete description of 29 common diseases of fowls, their causes and cures, explanation of all technical terms used in the poultry industry, and also treating briefly but fully such subjects as How to preserve eggs, Making feeding sprouted oats, Soft-shelled eggs, Right size of poultry house, Eroilers, Broken legs, Curing broody hens, Care of setting hen, Capons, How to stop cock crowing at night, Cockerel and pullet breeding, Double and single mating, Color feeding, Colony houses, Contents of egg, Copulation, Crate fattening, Dust bath, Egg bound, Egg and feather eating, Feed for fattening, Grit, Flavor of eggs, Incubators and cellars, Influence of the sexes, Insect pests, Killing and dressing poultry, Mash feeding, Molt, Nests, Perches, Scratching sheds, Sifters and non-sifters, Telling the sex, Removing spurs, Watering devices, Ventilating houses, How to give medicine, Scaly legs, etc. All the above and many more items are arranged alphabetically for instant reference, making it truly a Poultryman's Encyclopedia.

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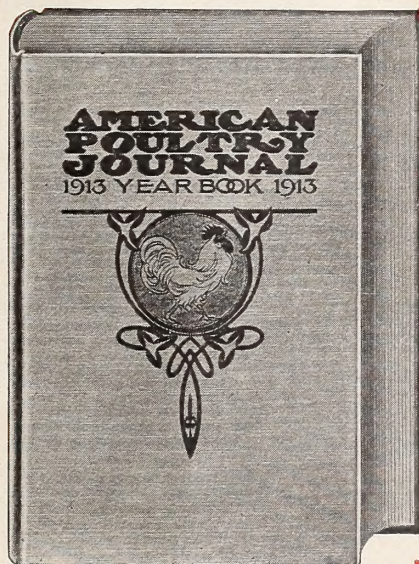
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"An Excellent Book for Poultrymen"

American Poultry Journal, Gentlemen: We have looked over the Year Book with a great deal of interest and find it filled with valuable poultry information. It is certainly an excellent book for poultrymen. Yours truly, C. H. Chaplin, Sec'y Sheffield Farm, Part. Wyandottes, Glendale, O.

"More Than Pleased"

Dear Sirs: Received the Year Book for 1913, and must say that I'm more than pleased with same. I think this a great book for amateurs. Yours truly, R. P. Schneider, West Newton, Pa.

"Is Worth Waiting For"

Gentlemen: The Year Book has reached me and more than fulfills my expectations. It is worth waiting for. Yours, Edwin R. Frazer, Oakland, Cal.

## Poultry Show Reports

One of the most valuable features of the Year Book to the exhibitor and breeder is the complete reports of the leading poultry shows held during 1912-13. 1st, 2d and 3d prize winners, with judges making the awards and number of entries in each class, are reported of nine of the largest shows, and 1st prize winners of the next 32 largest shows, and shows having less than 1000 entries are compiled into a directory, giving number of entries, entry fees, date of show, name of secretary, who furnishes the coops, etc.

The Year Book also contains a Specialty Club Directory, Experiment Station Directory, Poultry Judge's Directory, Biographies of 30 successful prominent breeders; The American Poultry Association, its officers, branches, Organizers, and what it is. Complete reports of the National Egg-Laying Contest; North American Egg-Laying Competition, and the Inter Ocean-Midlothian Farms Egg-Laying Contest.

## NOT A ONE MAN BOOK

The table of contents shows that it took 29 of the best poultry experts to edit and write the great American Poultry Journal Year Book for 1913.

The editors of the Year Book are: Jas. W. Bell, Editor in Chief; Clarence Ward, Managing Editor; Louis A. Stahmer, Artist and Contributing Editor; Dr. Prince T. Woods, H. H. Stoddard, C. W. Zimmer, Helen T. Woods, Miss Carey of England, are the contributing editors, besides 21 special articles by leading specialists on poultry culture.

## The Year Book Contains

379 PAGES, all chuck full of valuable, up-to-date information for the poultry raiser, such as "The Poultryman's Calendar," telling what to do each month in the poultry yard; many articles by prominent breeders on such subjects as Line breeding with chart, Dr. Wood's Improved Open-Front Poultry Houses, with illustrations showing how to build one; Capons and Caponizing, with illustrations; Feeding the Layers, with feeding formulas and table of food values; Opportunities in Poultry for the Farmer; Advertising Pure-Bred Poultry; A Simple Indoor Fireless Brooder, with illustrations; Stoneburn Trap Nest, with illustrations showing how to build one; The Diaphragm Open-Air Poultry House, with illustrations; Gillette Open-Air House; Old and New Breeds; and many other special articles by leading specialists of this country and England.

The Book is a comprehensive review of the poultry industry for 1912-13, all thoroughly and carefully indexed for instant reference. It is worth \$5.00 of any poultryman's money.

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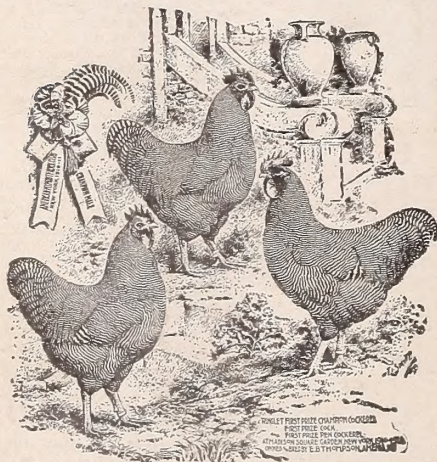
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